



BUY SMART. BUILD BETTER.

JOB ORDER CONTRACT CONSTRUCTION TASK CATALOG®

BOOK 1 OF 1 CSI DIVISIONS 01 - 43 OCTOBER 2015

COUNTY OF SAN MATEO
MECHANICAL



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of San Mateo**, priced locally using current labor, material and equipment costs, and published in October 2015.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of San Mateo**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 1/2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a

separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).

- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Employee or Subcontractor's wage rates that exceed the prevailing wage rates.

- ☑ Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- ☑ Services required to obtain filings and permits.
- ☑ Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Office trailer and portable toilets for Contractor's use.
- ☑ Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- ☑ Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner security requirements.
- ☑ Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- ☑ Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- ☑ Daily clean-up.
- ☑ Final professional project clean-up.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Costs resulting from productivity loss.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- ☑ Differences in project size; complexity and location.
- ☑ All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- ☑ Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

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Published Unit Price X Installation (or Demolition) Quantity X Appropriate Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls.

ASSEMBLIES:

- ☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

- ☑ Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names,

trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** -

October 2015

Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

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Using The Construction Task Catalog®

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
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Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Minimum Charge ^(01 22 20)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 22 20 00-0002	EA	Carpenter Minimum Charge.....	817.95
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0003	EA	Carpet, Linoleum Minimum Charge	787.96
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0004	EA	Cement Mason Minimum Charge	580.21
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0005	EA	Drywall Finisher Minimum Charge	716.95
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0006	EA	Drywall Installer Minimum Charge	822.88
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0007	EA	Electrician Minimum Charge	949.97
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0008	EA	Glazier Minimum Charge	712.81
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0009	EA	Insulator Minimum Charge	861.50
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0010	EA	Laborer Minimum Charge	584.91
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0011	EA	Landscape Maintenance Worker Minimum Charge	255.34
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0012	EA	Ornamental Metal Worker Minimum Charge	833.33
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0013	EA	Painter, Ordinary Minimum Charge	614.33
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0014	EA	Plasterer Minimum Charge	732.22
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0015	EA	Plumber Minimum Charge	1,060.65
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0016	EA	Roofer, Tile/Slate Minimum Charge	730.94
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0017	EA	Roofer, Composite Built-Up Minimum Charge	734.40
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0018	EA	Sheet Metal Worker Minimum Charge	984.07
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0019	EA	Sprinkler Installer Minimum Charge	994.47
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			

01	01	General Requirements
	01 20	Price And Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0020 EA Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	652.59	
01 22 20 00-0021 Local Labor/Wage Rates <small>(01 22 20)</small> Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.		
01 22 20 00-0022 HR Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	59.54	
<i>For Foreman, Add</i>	2.98	
<i>For Apprentice, Deduct</i>	-11.91	
01 22 20 00-0023 HR Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	104.56	
<i>For Foreman, Add</i>	5.23	
<i>For Apprentice, Deduct</i>	-20.91	
01 22 20 00-0024 HR Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	92.86	
<i>For Foreman, Add</i>	4.64	
<i>For Apprentice, Deduct</i>	-18.57	
01 22 20 00-0025 HR Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	79.09	
<i>For Foreman, Add</i>	3.95	
<i>For Apprentice, Deduct</i>	-15.82	
01 22 20 00-0026 HR Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.62	
<i>For Foreman, Add</i>	4.33	
<i>For Apprentice, Deduct</i>	-17.32	
01 22 20 00-0027 HR Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.00	
<i>For Foreman, Add</i>	4.30	
<i>For Apprentice, Deduct</i>	-17.20	
01 22 20 00-0028 HR Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	66.28	
<i>For Foreman, Add</i>	3.31	
<i>For Apprentice, Deduct</i>	-13.26	
01 22 20 00-0029 HR Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.24	
<i>For Foreman, Add</i>	4.01	
<i>For Apprentice, Deduct</i>	-16.05	
01 22 20 00-0030 HR Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.00	
<i>For Foreman, Add</i>	5.00	
<i>For Apprentice, Deduct</i>	-20.00	
01 22 20 00-0031 HR Equipment Operator, Heavy (Crane) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	81.62	
<i>For Foreman, Add</i>	4.08	
<i>For Apprentice, Deduct</i>	-16.32	
01 22 20 00-0032 HR Equipment Operator, Medium (Bulldozer) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	76.84	
<i>For Foreman, Add</i>	3.84	
<i>For Apprentice, Deduct</i>	-15.37	
01 22 20 00-0033 HR Equipment Operator, Light (Backhoe, Bobcat) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.92	
<i>For Foreman, Add</i>	3.60	
<i>For Apprentice, Deduct</i>	-14.38	
01 22 20 00-0034 HR Glazier Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.85	
<i>For Foreman, Add</i>	4.14	
<i>For Apprentice, Deduct</i>	-16.57	
01 22 20 00-0035 HR Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	69.99	
01 22 20 00-0036 HR Lather Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	84.11	
<i>For Foreman, Add</i>	4.21	
<i>For Apprentice, Deduct</i>	-16.82	
01 22 20 00-0037 HR Marble Setter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.47	
<i>For Foreman, Add</i>	4.02	
<i>For Apprentice, Deduct</i>	-16.09	
01 22 20 00-0038 HR Millwright Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	84.63	
<i>For Foreman, Add</i>	4.23	
<i>For Apprentice, Deduct</i>	-16.93	
01 22 20 00-0039 HR Mold Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	63.28	
<i>For Foreman, Add</i>	3.16	
<i>For Apprentice, Deduct</i>	-12.66	
01 22 20 00-0040 HR Painter, Ordinary Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	70.54	
<i>For Foreman, Add</i>	3.53	
<i>For Apprentice, Deduct</i>	-14.11	
01 22 20 00-0041 HR Painter, Structural Steel Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.47	
<i>For Foreman, Add</i>	4.32	
<i>For Apprentice, Deduct</i>	-17.29	



		General Requirements	01
		Price And Payment Procedures	01 20
		Unit Prices	01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0042 HR Paperhanger.....	71.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.59	
For Apprentice, Deduct	-14.38	
01 22 20 00-0043 HR Pile Drivers.....	91.74	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.59	
For Apprentice, Deduct	-18.35	
01 22 20 00-0044 HR Plasterer.....	79.03	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.95	
For Apprentice, Deduct	-15.81	
01 22 20 00-0045 HR Plumber.....	107.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.38	
For Apprentice, Deduct	-21.52	
01 22 20 00-0046 HR Powderman.....	65.97	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.30	
For Apprentice, Deduct	-13.19	
01 22 20 00-0047 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	80.86	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.04	
For Apprentice, Deduct	-16.17	
01 22 20 00-0048 HR Roofer, Composite.....	73.05	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.65	
For Apprentice, Deduct	-14.61	
01 22 20 00-0049 HR Roofer, Tile/Slate.....	72.62	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.63	
For Apprentice, Deduct	-14.52	
01 22 20 00-0050 HR Sheet Metal Worker.....	110.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.53	
For Apprentice, Deduct	-22.10	
01 22 20 00-0051 HR Sprinkler Installer.....	99.31	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.97	
For Apprentice, Deduct	-19.86	
01 22 20 00-0052 HR Steam / Pipe Fitter.....	107.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.38	
For Apprentice, Deduct	-21.52	
01 22 20 00-0053 HR Stone Mason.....	79.09	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.95	
For Apprentice, Deduct	-15.82	
01 22 20 00-0054 HR Structural Steel Worker.....	85.42	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.27	
For Apprentice, Deduct	-17.08	
01 22 20 00-0055 HR Tile Layer.....	69.07	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.45	
For Apprentice, Deduct	-13.81	
01 22 20 00-0056 HR Terrazzo Worker.....	78.94	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.95	
For Apprentice, Deduct	-15.79	
01 22 20 00-0057 HR Truck Driver, Light.....	64.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.83	
01 22 20 00-0058 HR Truck Driver, Heavy.....	64.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.23	
For Apprentice, Deduct	-12.92	
01 22 20 00-0059 HR Class I Diver.....	186.70	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0060 HR Class III Diver Tender.....	107.26	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0061 HR D1 Certified Welder.....	98.82	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0062 Rates For Services (01 22 20)		
01 22 20 00-0063 HR Watchman/Guard, Unarmed.....	23.47	
01 22 20 00-0064 HR Watchman/Guard, Armed.....	26.52	
01 22 20 00-0065 HR OSHA Testing.....	71.25	
01 22 20 00-0066 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0067 HR Investigating Senior Engineer Or Specialty Consultant.....	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0068 HR Surveyor.....	75.00	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0069 HR On-Site Certified Materials Testing Technician.....	57.00	
01 22 20 00-0070 HR Certified Industrial Hygienist	74.30	
01 22 20 00-0071 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0072 Rates For Traffic Control (01 22 20)		
01 22 20 00-0073 DAY Pilot Vehicle With Driver	743.24	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0074 HR Flaggperson For Traffic Control	60.76	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift.....	456.69	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift.....	1,149.10	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,578.10	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	670.31	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,598.42	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,498.85	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,303.78	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	3,160.01	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	6,629.40	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	1,856.23	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,469.69	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift.....	11,137.39	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift.....	2,261.36	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift.....	5,767.58	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift.....	13,111.48	
01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	337.78	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	847.53	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,038.98	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	429.90	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	939.65	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,332.54	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	552.74	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,277.43	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,855.80	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	964.22	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,272.36	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,526.12	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,873.16	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,421.88	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	10,809.04	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Manlift.....	337.78	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Manlift.....	847.53	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Manlift.....	2,038.98	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Manlift.....	337.78	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Manlift.....	847.53	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Manlift.....	2,038.98	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Manlift.....	417.62	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Manlift.....	902.80	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Manlift.....	2,241.65	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Manlift.....	417.62	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Manlift.....	902.80	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Manlift.....	2,241.65	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	160.18	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	320.36	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	655.29	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	174.74	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	349.49	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	698.98	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	225.71	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	451.42	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	968.37	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	291.24	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	575.20	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,274.18	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	313.08	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	611.60	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,383.39	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	407.74	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,012.06	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	2,817.75	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	327.64	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	640.73	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift.....	1,565.42	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift.....	334.93	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift.....	764.50	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift.....	1,674.63	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift.....	371.33	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift.....	851.88	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift.....	1,893.06	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift.....	393.17	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift.....	917.41	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift.....	2,257.11	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift.....	735.38	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift.....	1,616.38	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift.....	3,975.43	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift.....	157.32	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift.....	445.74	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift.....	900.22	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift.....	218.50	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift.....	463.22	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift.....	908.96	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift.....	367.08	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift.....	891.48	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift.....	2,604.52	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift.....	393.30	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift.....	978.88	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift.....	2,945.38	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift.....	209.76	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift.....	419.52	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift.....	839.04	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift.....	209.76	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift.....	419.52	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	872.25	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 48' Bucket Truck With Full-Time Operator.....	936.65	
For Equipment Without Operator, Deduct	-516.65	
01 22 23 00-0107 WK 48' Bucket Truck With Full-Time Operator.....	4,083.24	
For Equipment Without Operator, Deduct	-2,583.24	
01 22 23 00-0108 MO 48' Bucket Truck With Full-Time Operator.....	15,434.67	
For Equipment Without Operator, Deduct	-11,134.67	
01 22 23 00-0109 Air Equipment (01 22 23)		
01 22 23 00-0110 Air Compressors (01 22 23 00-0109)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111 DAY 100 CFM Diesel Powered Portable Air Compressor.....	170.04	
01 22 23 00-0112 WK 100 CFM Diesel Powered Portable Air Compressor.....	510.12	
01 22 23 00-0113 MO 100 CFM Diesel Powered Portable Air Compressor.....	1,417.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0114	DAY		130 CFM Diesel Powered Portable Air Compressor.....	204.05	
01 22 23 00-0115	WK		130 CFM Diesel Powered Portable Air Compressor.....	600.81	
01 22 23 00-0116	MO		130 CFM Diesel Powered Portable Air Compressor.....	1,700.40	
01 22 23 00-0117	DAY		185 CFM Diesel Powered Portable Air Compressor.....	272.06	
01 22 23 00-0118	WK		185 CFM Diesel Powered Portable Air Compressor.....	612.14	
01 22 23 00-0119	MO		185 CFM Diesel Powered Portable Air Compressor.....	1,348.98	
01 22 23 00-0120	DAY		375 CFM Diesel Powered Portable Air Compressor.....	385.42	
01 22 23 00-0121	WK		375 CFM Diesel Powered Portable Air Compressor.....	974.90	
01 22 23 00-0122	MO		375 CFM Diesel Powered Portable Air Compressor.....	2,323.88	
01 22 23 00-0123	DAY		600 CFM Diesel Powered Portable Air Compressor.....	857.00	
01 22 23 00-0124	WK		600 CFM Diesel Powered Portable Air Compressor.....	2,063.15	
01 22 23 00-0125	MO		600 CFM Diesel Powered Portable Air Compressor.....	5,142.01	
01 22 23 00-0126	DAY		750 CFM Diesel Powered Portable Air Compressor.....	1,031.58	
01 22 23 00-0127	WK		750 CFM Diesel Powered Portable Air Compressor.....	2,539.26	
01 22 23 00-0128	MO		750 CFM Diesel Powered Portable Air Compressor.....	6,234.80	
01 22 23 00-0129	DAY		825 CFM Diesel Powered Portable Air Compressor.....	1,031.58	
01 22 23 00-0130	WK		825 CFM Diesel Powered Portable Air Compressor.....	2,539.26	
01 22 23 00-0131	MO		825 CFM Diesel Powered Portable Air Compressor.....	6,234.80	
01 22 23 00-0132	DAY		1,300 CFM Diesel Powered Portable Air Compressor.....	1,201.62	
01 22 23 00-0133	WK		1,300 CFM Diesel Powered Portable Air Compressor.....	2,693.43	
01 22 23 00-0134	MO		1,300 CFM Diesel Powered Portable Air Compressor.....	7,182.49	
01 22 23 00-0135	DAY		1,600 CFM Diesel Powered Portable Air Compressor.....	1,496.35	
01 22 23 00-0136	WK		1,600 CFM Diesel Powered Portable Air Compressor.....	3,366.79	
01 22 23 00-0137	MO		1,600 CFM Diesel Powered Portable Air Compressor.....	8,978.11	
01 22 23 00-0138			Negative Air Machines (01 22 23 00-0109)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	56.00	
01 22 23 00-0140	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	230.00	
01 22 23 00-0141	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	695.00	
01 22 23 00-0142	EA		Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	200.07	
			Note: Required if over 800 hours operation.		
01 22 23 00-0143	LF		Discharge Flexible Duct For Negative Air Machine.....	1.26	
01 22 23 00-0144			Portable Air Scrubbers (01 22 23 00-0109)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0145	DAY		200 to 1,000 CFM Portable Air Scrubber.....	83.00	
01 22 23 00-0146	WK		200 to 1,000 CFM Portable Air Scrubber.....	345.00	
01 22 23 00-0147	MO		200 to 1,000 CFM Portable Air Scrubber.....	955.00	
01 22 23 00-0148	DAY		>1,000 to 2,000 CFM Portable Air Scrubber.....	105.00	
01 22 23 00-0149	WK		>1,000 to 2,000 CFM Portable Air Scrubber.....	435.00	
01 22 23 00-0150	MO		>1,000 to 2,000 CFM Portable Air Scrubber.....	1,275.00	
01 22 23 00-0151			Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0152			Pavers And Rollers (01 22 23 00-0151)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0153			Pavers (01 22 23 00-0152)		
01 22 23 00-0154	DAY		10' Wide Paving Machine With Full-Time Operator.....	2,596.31	
			For Equipment Without Operator, Deduct.....	-614.74	
01 22 23 00-0155	WK		10' Wide Paving Machine With Full-Time Operator.....	9,018.43	
			For Equipment Without Operator, Deduct.....	-3,073.71	
01 22 23 00-0156	MO		10' Wide Paving Machine With Full-Time Operator.....	31,540.20	
			For Equipment Without Operator, Deduct.....	-13,248.74	
01 22 23 00-0157			Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0152)		
01 22 23 00-0158	DAY		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,030.04	
			For Equipment Without Operator, Deduct.....	-614.74	
01 22 23 00-0159	WK		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	4,329.82	
			For Equipment Without Operator, Deduct.....	-3,073.71	
01 22 23 00-0160	MO		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	16,658.59	
			For Equipment Without Operator, Deduct.....	-13,248.74	
01 22 23 00-0161	DAY		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,190.33	
			For Equipment Without Operator, Deduct.....	-614.74	
01 22 23 00-0162	WK		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,521.81	
			For Equipment Without Operator, Deduct.....	-3,073.71	
01 22 23 00-0163	MO		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	18,458.23	
			For Equipment Without Operator, Deduct.....	-13,248.74	
01 22 23 00-0164	DAY		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,197.62	
			For Equipment Without Operator, Deduct.....	-614.74	
01 22 23 00-0165	WK		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,048.22	
			For Equipment Without Operator, Deduct.....	-3,073.71	
01 22 23 00-0166	MO		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	18,807.96	
			For Equipment Without Operator, Deduct.....	-13,248.74	
01 22 23 00-0167			Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0152)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0168 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,095.62 -614.74	
01 22 23 00-0169 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,407.05 -3,073.71	
01 22 23 00-0170 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,103.03 -13,248.74	
01 22 23 00-0171 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,401.63 -614.74	
01 22 23 00-0172 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,026.36 -3,073.71	
01 22 23 00-0173 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,055.68 -13,248.74	
01 22 23 00-0174 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,474.49 -614.74	
01 22 23 00-0175 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,485.38 -3,073.71	
01 22 23 00-0176 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,338.02 -13,248.74	
01 22 23 00-0177 Towed, Padfoot Rollers <small>(01 22 23 00-0152)</small>		
01 22 23 00-0178 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	138.43	
01 22 23 00-0179 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	400.73	
01 22 23 00-0180 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,180.33	
01 22 23 00-0181 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	174.86	
01 22 23 00-0182 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	488.16	
01 22 23 00-0183 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,076.51	
01 22 23 00-0184 Static Rollers <small>(01 22 23 00-0152)</small>		
01 22 23 00-0185 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,132.05 -614.74	
01 22 23 00-0186 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,720.35 -3,073.71	
01 22 23 00-0187 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,130.36 -13,248.74	
01 22 23 00-0188 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,292.34 -614.74	
01 22 23 00-0189 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,157.51 -3,073.71	
01 22 23 00-0190 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,339.84 -13,248.74	
01 22 23 00-0191 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers <small>(01 22 23 00-0152)</small>		
01 22 23 00-0192 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,081.04 -614.74	
01 22 23 00-0193 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,450.76 -3,073.71	
01 22 23 00-0194 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,891.74 -13,248.74	
01 22 23 00-0195 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,175.76 -614.74	
01 22 23 00-0196 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,727.63 -3,073.71	
01 22 23 00-0197 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,613.05 -13,248.74	
01 22 23 00-0198 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,365.20 -614.74	
01 22 23 00-0199 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,281.37 -3,073.71	
01 22 23 00-0200 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,077.54 -13,248.74	
01 22 23 00-0201 Steel Plates <small>(01 22 23 00-0151)</small>		
<small>Note: 3 day minimum.</small>		
01 22 23 00-0202 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0203 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0204 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0205 DAY 1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0206 WK 1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0207 MO 1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0208 DAY 1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0209 WK 1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0210 MO 1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0211 DAY 1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0212 WK 1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0213 MO 1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0214 DAY 1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0215 WK 1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0216 MO 1" x 6' x 10' Steel Plate	109.89	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0217	DAY	1" x 6' x 12' Steel Plate	43.75	
	01 22 23 00-0218	WK	1" x 6' x 12' Steel Plate	55.99	
	01 22 23 00-0219	MO	1" x 6' x 12' Steel Plate	151.55	
	01 22 23 00-0220	DAY	1" x 8' x 10' Steel Plate	27.60	
	01 22 23 00-0221	WK	1" x 8' x 10' Steel Plate	61.98	
	01 22 23 00-0222	MO	1" x 8' x 10' Steel Plate	165.09	
	01 22 23 00-0223	DAY	1" x 8' x 12' Steel Plate	50.00	
	01 22 23 00-0224	WK	1" x 8' x 12' Steel Plate	61.98	
	01 22 23 00-0225	MO	1" x 8' x 12' Steel Plate	299.98	
	01 22 23 00-0226	DAY	1" x 8' x 16' Steel Plate	66.66	
	01 22 23 00-0227	WK	1" x 8' x 16' Steel Plate	149.99	
	01 22 23 00-0228	MO	1" x 8' x 16' Steel Plate	399.97	
	01 22 23 00-0229	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.68	0.86
	01 22 23 00-0230	EA	Remove And Reset Trench Plate.....	22.84	
01 22 23 00-0231	Street Sweepers (01 22 23 00-0151)				
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
	01 22 23 00-0232	DAY	8' Broom Sweeper With Full-Time Operator	813.98	
			For Equipment Without Operator, Deduct	-575.39	
	01 22 23 00-0233	WK	8' Broom Sweeper With Full-Time Operator	3,523.80	
			For Equipment Without Operator, Deduct	-2,876.96	
	01 22 23 00-0234	MO	8' Broom Sweeper With Full-Time Operator	14,452.54	
			For Equipment Without Operator, Deduct	-12,400.67	
	01 22 23 00-0235	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	1,035.12	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			For Equipment Without Operator, Deduct	-575.39	
	01 22 23 00-0236	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	4,975.81	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			For Equipment Without Operator, Deduct	-2,876.96	
	01 22 23 00-0237	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	20,371.72	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			For Equipment Without Operator, Deduct	-12,400.67	
01 22 23 00-0238	Earthmoving Equipment (01 22 23)				
01 22 23 00-0239	Skid-Steer Loaders (Bobcat) (01 22 23 00-0238)				
	Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.				
	01 22 23 00-0240	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	890.20	
			For Equipment Without Operator, Deduct	-575.39	
	01 22 23 00-0241	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,702.84	
			For Equipment Without Operator, Deduct	-2,876.96	
	01 22 23 00-0242	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	14,389.64	
			For Equipment Without Operator, Deduct	-12,400.67	
	01 22 23 00-0243	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	973.18	
			For Equipment Without Operator, Deduct	-575.39	
	01 22 23 00-0244	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,853.01	
			For Equipment Without Operator, Deduct	-2,876.96	
	01 22 23 00-0245	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	14,718.94	
			For Equipment Without Operator, Deduct	-12,400.67	
	01 22 23 00-0246	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	1,024.81	
			For Equipment Without Operator, Deduct	-603.31	
	01 22 23 00-0247	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,208.63	
			For Equipment Without Operator, Deduct	-3,016.56	
	01 22 23 00-0248	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	15,893.64	
			For Equipment Without Operator, Deduct	-13,002.39	
	01 22 23 00-0249	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	1,089.10	
			For Equipment Without Operator, Deduct	-575.39	
	01 22 23 00-0250	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,371.98	
			For Equipment Without Operator, Deduct	-2,876.96	
	01 22 23 00-0251	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	16,293.00	
			For Equipment Without Operator, Deduct	-12,400.67	
	01 22 23 00-0252	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	1,275.08	
			For Equipment Without Operator, Deduct	-603.31	
	01 22 23 00-0253	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	5,110.91	
			For Equipment Without Operator, Deduct	-3,016.56	
	01 22 23 00-0254	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	18,369.98	
			For Equipment Without Operator, Deduct	-13,002.39	
	01 22 23 00-0255	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	263.44	
	01 22 23 00-0256	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	875.94	
	01 22 23 00-0257	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,331.44	
	01 22 23 00-0258	DAY	Forklift Attachment For Skid-Steer Loaders	56.64	
	01 22 23 00-0259	WK	Forklift Attachment For Skid-Steer Loaders	151.48	
	01 22 23 00-0260	MO	Forklift Attachment For Skid-Steer Loaders	428.09	
	01 22 23 00-0261	DAY	Backhoe Attachment For Skid-Steer Loaders.....	125.13	
	01 22 23 00-0262	WK	Backhoe Attachment For Skid-Steer Loaders.....	300.32	
	01 22 23 00-0263	MO	Backhoe Attachment For Skid-Steer Loaders.....	746.85	
	01 22 23 00-0264	DAY	Broom Attachment For Skid-Steer Loaders	123.82	
	01 22 23 00-0265	WK	Broom Attachment For Skid-Steer Loaders	335.89	
	01 22 23 00-0266	MO	Broom Attachment For Skid-Steer Loaders	889.11	
	01 22 23 00-0267	DAY	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	82.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0268 WK 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	263.44	
01 22 23 00-0269 MO 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	625.67	
 01 22 23 00-0270 Bulldozers (01 22 23 00-0238) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0271 DAY 70 HP, D3 Bulldozer With Full-Time Operator	999.31	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0272 WK 70 HP, D3 Bulldozer With Full-Time Operator	4,590.21	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0273 MO 70 HP, D3 Bulldozer With Full-Time Operator	17,747.46	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0274 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,180.71	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0275 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,323.07	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0276 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	19,996.82	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0277 DAY 140 HP, D6 Bulldozer With Full-Time Operator	1,695.88	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0278 WK 140 HP, D6 Bulldozer With Full-Time Operator	7,383.77	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0279 MO 140 HP, D6 Bulldozer With Full-Time Operator	26,164.42	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0280 DAY 200 HP, D7 Bulldozer With Full-Time Operator	2,153.01	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0281 WK 200 HP, D7 Bulldozer With Full-Time Operator	9,219.54	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0282 MO 200 HP, D7 Bulldozer With Full-Time Operator	31,678.98	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0283 DAY 335 HP, D8 Bulldozer With Full-Time Operator	2,697.21	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0284 WK 335 HP, D8 Bulldozer With Full-Time Operator	11,396.34	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0285 MO 335 HP, D8 Bulldozer With Full-Time Operator	38,209.38	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0286 DAY 460 HP, D9 Bulldozer With Full-Time Operator	3,001.96	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0287 WK 460 HP, D9 Bulldozer With Full-Time Operator	12,608.09	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0288 MO 460 HP, D9 Bulldozer With Full-Time Operator	41,837.38	
For Equipment Without Operator, Deduct	-13,248.74	
 01 22 23 00-0289 Motor Scraper (01 22 23 00-0238) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0290 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator	1,489.50	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0291 WK 11 CY Motor Scraper-Hauler With Full-Time Operator	6,572.75	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0292 MO 11 CY Motor Scraper-Hauler With Full-Time Operator	23,733.86	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0293 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator	1,843.00	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0294 WK 18 CY Motor Scraper-Hauler With Full-Time Operator	7,986.74	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0295 MO 18 CY Motor Scraper-Hauler With Full-Time Operator	27,987.83	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0296 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator	2,184.51	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0297 WK 24 CY Motor Scraper-Hauler With Full-Time Operator	9,346.81	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0298 MO 24 CY Motor Scraper-Hauler With Full-Time Operator	32,062.05	
For Equipment Without Operator, Deduct	-13,248.74	
 01 22 23 00-0299 Hydraulic Excavators (01 22 23 00-0238) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0300 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator.....	908.04	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0301 WK 3/8 CY Hydraulic Excavator With Full-Time Operator.....	4,111.13	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0302 MO 3/8 CY Hydraulic Excavator With Full-Time Operator.....	16,724.90	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0303 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator.....	990.60	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0304 WK 1/2 CY Hydraulic Excavator With Full-Time Operator.....	4,475.04	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0305 MO 1/2 CY Hydraulic Excavator With Full-Time Operator.....	18,180.54	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0306 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator.....	1,016.67	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0307 WK 5/8 CY Hydraulic Excavator With Full-Time Operator.....	4,610.82	
For Equipment Without Operator, Deduct	-3,073.71	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0308 MO 5/8 CY Hydraulic Excavator With Full-Time Operator	18,419.53	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0309 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator	1,043.83	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0310 WK 3/4 CY Hydraulic Excavator With Full-Time Operator	4,735.75	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0311 MO 3/4 CY Hydraulic Excavator With Full-Time Operator	18,658.51	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0312 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,065.55	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0313 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	4,866.11	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0314 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	18,897.50	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0315 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,358.86	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0316 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,033.88	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0317 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	22,129.24	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0318 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,402.31	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0319 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	6,223.98	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0320 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	22,699.55	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0321 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,483.78	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0322 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	6,549.87	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0323 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	23,677.22	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0324 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,576.12	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0325 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	6,913.78	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0326 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	24,763.52	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0327 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,603.27	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0328 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	7,022.41	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0329 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	25,089.41	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0330 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	1,863.98	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0331 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	8,070.69	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0332 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	28,239.68	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0333 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	2,238.76	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0334 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	9,558.92	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0335 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	32,693.51	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0336 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	76.04	
01 22 23 00-0337 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	293.30	
01 22 23 00-0338 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	869.04	
01 22 23 00-0339 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	336.75	
01 22 23 00-0340 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	890.77	
01 22 23 00-0341 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,493.06	
01 22 23 00-0342 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	521.42	
01 22 23 00-0343 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,330.72	
01 22 23 00-0344 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,459.87	
01 22 23 00-0345 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	727.82	
01 22 23 00-0346 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,960.77	
01 22 23 00-0347 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	5,496.68	
01 22 23 00-0348 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	152.08	
01 22 23 00-0349 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	608.33	
01 22 23 00-0350 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	1,824.98	
01 22 23 00-0351 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	217.26	
01 22 23 00-0352 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	869.04	
01 22 23 00-0353 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	2,607.12	
01 22 23 00-0354 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	238.99	
01 22 23 00-0355 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	945.08	
01 22 23 00-0356 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	2,824.38	
01 22 23 00-0357 Mini-Excavators <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0358 DAY 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	842.86	
<i>For Equipment Without Operator, Deduct</i>	-614.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0359 WK 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	3,720.06	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0360 MO 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	14,671.79	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0361 DAY 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	848.29	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0362 WK 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	3,736.35	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0363 MO 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	15,013.98	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0364 DAY 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	875.45	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0365 WK 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	3,812.39	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0366 MO 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	15,062.86	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0367 DAY 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	886.32	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0368 WK 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	3,850.41	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0369 MO 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	15,084.59	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0370 DAY 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	951.49	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0371 WK 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	3,904.73	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0372 MO 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	15,714.64	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0373 DAY 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	956.92	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0374 WK 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,176.30	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0375 MO 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	15,741.80	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0376 Road Graders <small>(01 22 23 00-0238)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0377 DAY 60 HP Road Grader With Full-Time Operator	1,110.12	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0378 WK 60 HP Road Grader With Full-Time Operator	4,413.77	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0379 MO 60 HP Road Grader With Full-Time Operator	17,256.21	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0380 DAY 80 HP Road Grader With Full-Time Operator	1,256.19	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0381 WK 80 HP Road Grader With Full-Time Operator	4,820.23	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0382 MO 80 HP Road Grader With Full-Time Operator	18,488.31	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0383 DAY 130 HP Road Grader With Full-Time Operator	1,357.69	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0384 WK 130 HP Road Grader With Full-Time Operator	5,272.59	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0385 MO 130 HP Road Grader With Full-Time Operator	19,839.39	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0386 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0238)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0387 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,109.84	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0388 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,249.56	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0389 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	16,015.97	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0390 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,162.88	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0391 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,435.22	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0392 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	17,147.62	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0393 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,244.66	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0394 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,638.57	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0395 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	17,731.13	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0396 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,609.35	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0397 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,726.01	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0398 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,843.16	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0399		Heavy Duty Construction Loaders <small>(01 22 23 00-0238)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0400	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,116.77
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0401	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	5,058.65
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0402	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	19,195.84
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0403	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,533.84
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0404	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,514.34
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0405	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	19,427.54
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0406	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,626.52
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0407	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,761.49
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0408	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	20,045.42
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0409	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,881.39
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0410	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,569.56
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0411	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,744.59
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0412	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,537.89
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0413	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,750.87
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0414	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	36,264.77
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0415	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,862.97
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0416	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	23,363.13
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0417	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	68,542.90
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0418		Shoring <small>(01 22 23 00-0238)</small>	
Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0419		Aluminum Hydraulic Shoring <small>(01 22 23 00-0418)</small>	
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.			
01 22 23 00-0420	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	30.17
		Note: Up to 88" spread width.	
01 22 23 00-0421	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	88.99
		Note: Up to 88" spread width.	
01 22 23 00-0422	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	40.47
		Note: Up to 88" spread width.	
01 22 23 00-0423	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	119.38
		Note: Up to 88" spread width.	
01 22 23 00-0424	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	75.05
		Note: Up to 88" spread width.	
01 22 23 00-0425	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	221.40
		Note: Up to 88" spread width.	
01 22 23 00-0426	EA	Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder	21.97
01 22 23 00-0427	EA	Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders	35.15
01 22 23 00-0428	EA	Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders	58.59
01 22 23 00-0429		Trench Boxes/Trench Shields <small>(01 22 23 00-0238)</small>	
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.			
01 22 23 00-0430	WK	4' x 6' Trench Box With Up To 48" Spreaders	162.38
01 22 23 00-0431	MO	4' x 6' Trench Box With Up To 48" Spreaders	487.13
01 22 23 00-0432	WK	6' x 6' Trench Box With Up To 48" Spreaders	183.33
01 22 23 00-0433	MO	6' x 6' Trench Box With Up To 48" Spreaders	549.99
01 22 23 00-0434	WK	8' x 6' Trench Box With Up To 48" Spreaders	193.81
01 22 23 00-0435	MO	8' x 6' Trench Box With Up To 48" Spreaders	581.42
01 22 23 00-0436	WK	4' x 8' Trench Box With Up To 48" Spreaders	178.09
01 22 23 00-0437	MO	4' x 8' Trench Box With Up To 48" Spreaders	534.28
01 22 23 00-0438	WK	6' x 8' Trench Box With Up To 48" Spreaders	209.52
01 22 23 00-0439	MO	6' x 8' Trench Box With Up To 48" Spreaders	628.56
01 22 23 00-0440	WK	8' x 8' Trench Box With Up To 48" Spreaders	235.71
01 22 23 00-0441	MO	8' x 8' Trench Box With Up To 48" Spreaders	707.13
01 22 23 00-0442	WK	4' x 10' Trench Box With Up To 48" Spreaders	199.04
01 22 23 00-0443	MO	4' x 10' Trench Box With Up To 48" Spreaders	597.13
01 22 23 00-0444	WK	6' x 10' Trench Box With Up To 48" Spreaders	235.71
01 22 23 00-0445	MO	6' x 10' Trench Box With Up To 48" Spreaders	707.13
01 22 23 00-0446	WK	8' x 10' Trench Box With Up To 48" Spreaders	288.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0447 MO 8' x 10' Trench Box With Up To 48" Spreaders.....	859.03	
01 22 23 00-0448 WK 4' x 12' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0449 MO 4' x 12' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0450 WK 6' x 12' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0451 MO 6' x 12' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0452 WK 8' x 12' Trench Box With Up To 48" Spreaders.....	366.66	
01 22 23 00-0453 MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,099.98	
01 22 23 00-0454 WK 4' x 14' Trench Box With Up To 48" Spreaders.....	261.90	
01 22 23 00-0455 MO 4' x 14' Trench Box With Up To 48" Spreaders.....	785.70	
01 22 23 00-0456 WK 6' x 14' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0457 MO 6' x 14' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0458 WK 8' x 14' Trench Box With Up To 48" Spreaders.....	419.04	
01 22 23 00-0459 MO 8' x 14' Trench Box With Up To 48" Spreaders.....	1,257.12	
01 22 23 00-0460 WK 4' x 16' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0461 MO 4' x 16' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0462 WK 6' x 16' Trench Box With Up To 48" Spreaders.....	392.85	
01 22 23 00-0463 MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,178.55	
01 22 23 00-0464 WK 8' x 16' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0465 MO 8' x 16' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0466 WK 4' x 20' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0467 MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0468 WK 6' x 20' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0469 MO 6' x 20' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0470 WK 8' x 20' Trench Box With Up To 48" Spreaders.....	549.99	
01 22 23 00-0471 MO 8' x 20' Trench Box With Up To 48" Spreaders.....	1,649.97	
01 22 23 00-0472 WK 4' x 24' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0473 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0474 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	576.18	
01 22 23 00-0475 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	1,728.54	
01 22 23 00-0476 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	628.56	
01 22 23 00-0477 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	1,885.68	
01 22 23 00-0478 WK For Spreaders >48" To 84", Add.....	15.71	
01 22 23 00-0479 MO For Spreaders >48" To 84", Add.....	47.14	
01 22 23 00-0480 WK For Spreaders >84" To 120", Add.....	94.28	
01 22 23 00-0481 MO For Spreaders >84" To 120", Add.....	282.85	
01 22 23 00-0482 WK For Spreaders >120", Add.....	199.04	
01 22 23 00-0483 MO For Spreaders >120", Add.....	597.13	
01 22 23 00-0484 WK 8' x 4' Manhole Box.....	247.50	
01 22 23 00-0485 MO 8' x 4' Manhole Box.....	742.49	
01 22 23 00-0486 WK 8' x 8' Manhole Box.....	353.57	
01 22 23 00-0487 MO 8' x 8' Manhole Box.....	1,060.70	
01 22 23 00-0488 Trenchers <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0489 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	984.76	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0490 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	4,334.08	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0491 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	16,717.64	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0492 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,609.16	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0493 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,438.54	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0494 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	22,499.14	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0495 Heavy Equipment Mats <small>(01 22 23 00-0238)</small>		
Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0496 Day 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	20.00	
01 22 23 00-0497 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	47.62	
01 22 23 00-0498 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	100.00	
01 22 23 00-0499 Day 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	21.00	
01 22 23 00-0500 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	50.00	
01 22 23 00-0501 MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	105.00	
01 22 23 00-0502 Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.00	
01 22 23 00-0503 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	40.00	
01 22 23 00-0504 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	85.00	
01 22 23 00-0505 Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	19.00	
01 22 23 00-0506 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	45.00	
01 22 23 00-0507 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	95.00	
01 22 23 00-0508 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	21.00	
01 22 23 00-0509 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	50.00	
01 22 23 00-0510 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	105.00	
01 22 23 00-0511 Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.00	
01 22 23 00-0512 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	54.76	
01 22 23 00-0513 MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	115.00	
01 22 23 00-0514 Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.00	
01 22 23 00-0515 WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0516	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	90.00
01 22 23 00-0517	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.00
01 22 23 00-0518	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	50.00
01 22 23 00-0519	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	105.00
01 22 23 00-0520	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.00
01 22 23 00-0521	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	55.00
01 22 23 00-0522	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	125.00
01 22 23 00-0523	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	27.00
01 22 23 00-0524	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	64.29
01 22 23 00-0525	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	135.00
01 22 23 00-0526	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.00
01 22 23 00-0527	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	69.05
01 22 23 00-0528	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	145.00
01 22 23 00-0529	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.00
01 22 23 00-0530	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	71.43
01 22 23 00-0531	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	150.00
01 22 23 00-0532	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	9.62
01 22 23 00-0533	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	24.05
01 22 23 00-0534	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	72.15
01 22 23 00-0535	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.50
01 22 23 00-0536	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.75
01 22 23 00-0537	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.25
01 22 23 00-0538	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.13
01 22 23 00-0539	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.83
01 22 23 00-0540	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.50
01 22 23 00-0541	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.00
01 22 23 00-0542	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.00
01 22 23 00-0543	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.00
01 22 23 00-0544	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.00
01 22 23 00-0545	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.00
01 22 23 00-0546	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.00
01 22 23 00-0547	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.39
01 22 23 00-0548	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	45.97
01 22 23 00-0549	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	137.90
01 22 23 00-0550	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.15
01 22 23 00-0551	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.37
01 22 23 00-0552	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	106.10
01 22 23 00-0553	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.15
01 22 23 00-0554	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.88
01 22 23 00-0555	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	143.65
01 22 23 00-0556	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.56
01 22 23 00-0557	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.40
01 22 23 00-0558	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.20
01 22 23 00-0559	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.62
01 22 23 00-0560	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	69.05
01 22 23 00-0561	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	207.14
01 22 23 00-0562	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.44
01 22 23 00-0563	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.60
01 22 23 00-0564	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	220.80

01 22 23 00-0565 Electrical Equipment (01 22 23)

01 22 23 00-0566 Tripod Mounted Floodlights (01 22 23 00-0565)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0567	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	61.05
01 22 23 00-0568	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	144.43
01 22 23 00-0569	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	305.24
01 22 23 00-0570	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	61.05
01 22 23 00-0571	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	178.68
01 22 23 00-0572	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	528.60
01 22 23 00-0573	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	68.49
01 22 23 00-0574	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	186.12
01 22 23 00-0575	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	454.14

01 22 23 00-0576 Trailer Mounted Floodlights (01 22 23 00-0565)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0577	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	171.24
01 22 23 00-0578	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	379.70
01 22 23 00-0579	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	818.95

01 22 23 00-0580 Generator Sets (01 22 23 00-0565)

01 22 23 00-0581 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0580)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.

01 22 23 00-0582	DAY	3.6 KW, 8 HP Gas Powered Generator Set	39.83
		For LP Or NG Gas, Add	4.98
01 22 23 00-0583	WK	3.6 KW, 8 HP Gas Powered Generator Set	143.56
		For LP Or NG Gas, Add	17.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0584 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	398.27	
<i>For LP Or NG Gas, Add</i>	49.78	
01 22 23 00-0585 DAY 5 KW, 11 HP Gas Powered Generator Set.....	56.50	
<i>For LP Or NG Gas, Add</i>	7.06	
01 22 23 00-0586 WK 5 KW, 11 HP Gas Powered Generator Set.....	180.61	
<i>For LP Or NG Gas, Add</i>	22.58	
01 22 23 00-0587 MO 5 KW, 11 HP Gas Powered Generator Set.....	412.16	
<i>For LP Or NG Gas, Add</i>	51.52	
01 22 23 00-0588 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	72.24	
<i>For LP Or NG Gas, Add</i>	9.03	
01 22 23 00-0589 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	194.50	
<i>For LP Or NG Gas, Add</i>	24.31	
01 22 23 00-0590 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	537.20	
<i>For LP Or NG Gas, Add</i>	67.15	
01 22 23 00-0591 DAY 10 KW, 18 HP Gas Powered Generator Set.....	80.58	
<i>For LP Or NG Gas, Add</i>	10.07	
01 22 23 00-0592 WK 10 KW, 18 HP Gas Powered Generator Set.....	217.66	
<i>For LP Or NG Gas, Add</i>	27.21	
01 22 23 00-0593 MO 10 KW, 18 HP Gas Powered Generator Set.....	625.18	
<i>For LP Or NG Gas, Add</i>	78.15	
01 22 23 00-0594 Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0580)</small>		
<small>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.</small>		
01 22 23 00-0595 DAY 20 KW, 60 Hertz Diesel Powered Generator Set.....	165.79	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0596 WK 20 KW, 60 Hertz Diesel Powered Generator Set.....	433.46	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0597 MO 20 KW, 60 Hertz Diesel Powered Generator Set.....	1,180.90	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0598 DAY 40.0 KW, 60 Hertz Diesel Powered Generator Set.....	290.38	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		
01 22 23 00-0599 WK 40.0 KW, 60 Hertz Diesel Powered Generator Set.....	654.05	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		
01 22 23 00-0600 MO 40.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,742.28	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		
01 22 23 00-0601 DAY 70.0 KW, 60 Hertz Diesel Powered Generator Set.....	380.26	
<small>Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.</small>		
01 22 23 00-0602 WK 70.0 KW, 60 Hertz Diesel Powered Generator Set.....	852.70	
<small>Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.</small>		
01 22 23 00-0603 MO 70.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,367.98	
<small>Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.</small>		
01 22 23 00-0604 DAY 100.0 KW, 60 Hertz Diesel Powered Generator Set.....	478.20	
<small>Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.</small>		
01 22 23 00-0605 WK 100.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,054.35	
<small>Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.</small>		
01 22 23 00-0606 MO 100.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,001.74	
<small>Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.</small>		
01 22 23 00-0607 DAY 120.0 KW, 60 Hertz Diesel Powered Generator Set.....	492.61	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0608 WK 120.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,135.02	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0609 MO 120.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,497.23	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0610 DAY 150.0 KW, 60 Hertz Diesel Powered Generator Set.....	507.01	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0611 WK 150.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,209.92	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0612 MO 150.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,992.72	
<small>Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.</small>		
01 22 23 00-0613 DAY 175.0 KW, 60 Hertz Diesel Powered Generator Set.....	555.41	
<small>Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0614 WK 175.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,262.92	
Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.		
01 22 23 00-0615 MO 175.0 KW, 60 Hertz Diesel Powered Generator Set.....	4,194.37	
Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour		
01 22 23 00-0616 DAY 250.0 KW, 60 Hertz Diesel Powered Generator Set.....	691.38	
Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.		
01 22 23 00-0617 WK 250.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,768.78	
Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.		
01 22 23 00-0618 MO 250.0 KW, 60 Hertz Diesel Powered Generator Set.....	4,666.82	
Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.		
01 22 23 00-0619 DAY 300.0 KW, 60 Hertz Diesel Powered Generator Set.....	783.56	
Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.		
01 22 23 00-0620 WK 300.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,901.30	
Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.		
01 22 23 00-0621 MO 300.0 KW, 60 Hertz Diesel Powered Generator Set.....	5,185.35	
Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.		
01 22 23 00-0622 DAY 350.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,106.21	
Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.		
01 22 23 00-0623 WK 350.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,488.97	
Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.		
01 22 23 00-0624 MO 350.0 KW, 60 Hertz Diesel Powered Generator Set.....	6,637.25	
Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.		
01 22 23 00-0625 DAY 400.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,181.11	
Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.		
01 22 23 00-0626 WK 400.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,857.70	
Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.		
01 22 23 00-0627 MO 400.0 KW, 60 Hertz Diesel Powered Generator Set.....	8,354.18	
Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.		
01 22 23 00-0628 DAY 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,318.23	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0629 WK 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,995.98	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0630 MO 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	8,987.94	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0631 DAY 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,843.68	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0632 WK 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	4,609.20	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0633 MO 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	13,827.60	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0634 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	787.41	
01 22 23 00-0635 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,229.13	
01 22 23 00-0636 Cabling For Generator Sets (01 22 23 00-0580)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0637 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	25.35	
01 22 23 00-0638 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	44.36	
01 22 23 00-0639 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	133.09	
01 22 23 00-0640 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	12.68	
01 22 23 00-0641 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	36.87	
01 22 23 00-0642 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	102.55	
01 22 23 00-0643 Resistive Loadbanks (01 22 23 00-0580)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.		
01 22 23 00-0644 DAY 100 KW A/C Resistive Loadbank.....	384.91	
01 22 23 00-0645 WK 100 KW A/C Resistive Loadbank.....	949.98	
01 22 23 00-0646 MO 100 KW A/C Resistive Loadbank.....	2,841.76	
01 22 23 00-0647 DAY 650 KW A/C Resistive Loadbank.....	648.61	
01 22 23 00-0648 WK 650 KW A/C Resistive Loadbank.....	1,734.54	
01 22 23 00-0649 MO 650 KW A/C Resistive Loadbank.....	4,422.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0650 Sub-Distribution Panels (Spider Box) <small>(01 22 23 00-0580)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0651 DAY Sub-Distribution Panel (Spider Box)	62.22	
01 22 23 00-0652 WK Sub-Distribution Panel (Spider Box)	161.32	
01 22 23 00-0653 MO Sub-Distribution Panel (Spider Box)	455.16	
01 22 23 00-0654 Portable Distribution Panels <small>(01 22 23 00-0580)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0655 DAY 200 Amp Spider Box Feeder Panel	138.28	
01 22 23 00-0656 WK 200 Amp Spider Box Feeder Panel	374.50	
01 22 23 00-0657 MO 200 Amp Spider Box Feeder Panel	1,048.59	
01 22 23 00-0658 DAY 100 Amp Quad Box Panel	112.93	
01 22 23 00-0659 WK 100 Amp Quad Box Panel	293.84	
01 22 23 00-0660 MO 100 Amp Quad Box Panel	835.42	
01 22 23 00-0661 DAY 200 Amp Quad Box Panel	144.04	
01 22 23 00-0662 WK 200 Amp Quad Box Panel	362.97	
01 22 23 00-0663 MO 200 Amp Quad Box Panel	985.22	
01 22 23 00-0664 Fuel Reimbursement For Generators <small>(01 22 23 00-0580)</small>		
01 22 23 00-0665 EA Fuel Reimbursement For Generators	1.00	
<i>Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.</i>		
01 22 23 00-0666 Space Heaters <small>(01 22 23 00-0565)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0667 DAY 150,000 BTU/Hour Space Heater	46.52	
01 22 23 00-0668 WK 150,000 BTU/Hour Space Heater	133.74	
01 22 23 00-0669 MO 150,000 BTU/Hour Space Heater	377.98	
01 22 23 00-0670 DAY 500,000 BTU/Hour Space Heater	98.86	
01 22 23 00-0671 WK 500,000 BTU/Hour Space Heater	244.23	
01 22 23 00-0672 MO 500,000 BTU/Hour Space Heater	617.55	
01 22 23 00-0673 General Equipment <small>(01 22 23)</small>		
01 22 23 00-0674 Jacks And Bracing <small>(01 22 23 00-0673)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0675 Manual Hydraulic Jacks <small>(01 22 23 00-0674)</small>		
01 22 23 00-0676 DAY 12 Ton Manual Hydraulic Bottle Jack	13.41	
01 22 23 00-0677 WK 12 Ton Manual Hydraulic Bottle Jack	34.87	
01 22 23 00-0678 MO 12 Ton Manual Hydraulic Bottle Jack	61.69	
01 22 23 00-0679 DAY 20 Ton Manual Hydraulic Bottle Jack	26.82	
01 22 23 00-0680 WK 20 Ton Manual Hydraulic Bottle Jack	75.10	
01 22 23 00-0681 MO 20 Ton Manual Hydraulic Bottle Jack	147.52	
01 22 23 00-0682 DAY 50 Ton Manual Hydraulic Bottle Jack	41.57	
01 22 23 00-0683 WK 50 Ton Manual Hydraulic Bottle Jack	103.26	
01 22 23 00-0684 MO 50 Ton Manual Hydraulic Bottle Jack	174.34	
01 22 23 00-0685 DAY 100 Ton Manual Hydraulic Bottle Jack	109.97	
01 22 23 00-0686 WK 100 Ton Manual Hydraulic Bottle Jack	264.20	
01 22 23 00-0687 MO 100 Ton Manual Hydraulic Bottle Jack	439.88	
01 22 23 00-0688 Manual Screw Jacks <small>(01 22 23 00-0674)</small>		
01 22 23 00-0689 DAY 10 To 20 Ton Manual Screw Jack	13.67	
01 22 23 00-0690 WK 10 To 20 Ton Manual Screw Jack	36.81	
01 22 23 00-0691 MO 10 To 20 Ton Manual Screw Jack	102.01	
01 22 23 00-0692 Pressure Washers <small>(01 22 23 00-0673)</small>		
<i>Note: Includes full-time operator, delivery, set-up, and removal.</i>		
01 22 23 00-0693 DAY 2,000 PSI Pressure Washer With Full-Time Operator	707.93	
<i>For Equipment Without Operator, Deduct</i>		-559.91
01 22 23 00-0694 WK 2,000 PSI Pressure Washer With Full-Time Operator	3,175.31	
<i>For Equipment Without Operator, Deduct</i>		-2,799.56
01 22 23 00-0695 MO 2,000 PSI Pressure Washer With Full-Time Operator	13,023.56	
<i>For Equipment Without Operator, Deduct</i>		-12,067.09
01 22 23 00-0696 DAY 2,500 PSI Pressure Washer With Full-Time Operator	707.93	
<i>For Equipment Without Operator, Deduct</i>		-559.91
01 22 23 00-0697 WK 2,500 PSI Pressure Washer With Full-Time Operator	3,175.31	
<i>For Equipment Without Operator, Deduct</i>		-2,799.56
01 22 23 00-0698 MO 2,500 PSI Pressure Washer With Full-Time Operator	13,023.56	
<i>For Equipment Without Operator, Deduct</i>		-12,067.09
01 22 23 00-0699 DAY 3,000 PSI Pressure Washer With Full-Time Operator	707.93	
<i>For Equipment Without Operator, Deduct</i>		-559.91

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0700 WK 3,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,175.31 -2,799.56	
01 22 23 00-0701 MO 3,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,023.56 -12,067.09	
01 22 23 00-0702 DAY 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	719.32 -559.91	
01 22 23 00-0703 WK 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,209.47 -2,799.56	
01 22 23 00-0704 MO 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,114.65 -12,067.09	
01 22 23 00-0705 DAY 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	764.87 -559.91	
01 22 23 00-0706 WK 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,357.50 -2,799.56	
01 22 23 00-0707 MO 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,627.04 -12,067.09	
01 22 23 00-0708 DAY 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	787.64 -559.91	
01 22 23 00-0709 WK 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,414.43 -2,799.56	
01 22 23 00-0710 MO 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,797.84 -12,067.09	
01 22 23 00-0711 Confined Space Entry Equipment (01 22 23 00-0673) Note: Includes delivery, set-up, and removal.		
01 22 23 00-0712 DAY Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	47.47	
01 22 23 00-0713 WK Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	142.42	
01 22 23 00-0714 MO Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	424.99	
01 22 23 00-0715 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	31.98	
01 22 23 00-0716 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	95.95	
01 22 23 00-0717 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	287.85	
01 22 23 00-0718 DAY Confined Space Air Monitor Personnel Note: Per person day.	575.39	
01 22 23 00-0719 Material Handling Equipment (01 22 23)		
01 22 23 00-0720 Truck Mounted Hydraulic Cranes (01 22 23 00-0719) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0721 DAY 6 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,023.39 -614.74	
01 22 23 00-0722 WK 6 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,311.67 -3,073.71	
01 22 23 00-0723 MO 6 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,974.63 -13,248.74	
01 22 23 00-0724 DAY 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,131.56 -614.74	
01 22 23 00-0725 WK 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,633.18 -3,073.71	
01 22 23 00-0726 MO 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,936.15 -13,248.74	
01 22 23 00-0727 DAY 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,239.73 -614.74	
01 22 23 00-0728 WK 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,954.68 -3,073.71	
01 22 23 00-0729 MO 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,897.67 -13,248.74	
01 22 23 00-0730 DAY 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,383.96 -614.74	
01 22 23 00-0731 WK 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,387.37 -3,073.71	
01 22 23 00-0732 MO 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,189.71 -13,248.74	
01 22 23 00-0733 DAY 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,516.16 -614.74	
01 22 23 00-0734 WK 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,282.78 -3,073.71	
01 22 23 00-0735 MO 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,873.56 -13,248.74	
01 22 23 00-0736 DAY 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,828.66 -614.74	
01 22 23 00-0737 WK 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,400.55 -3,073.71	
01 22 23 00-0738 MO 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,229.26 -13,248.74	
01 22 23 00-0739 DAY 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,026.97 -614.74	
01 22 23 00-0740 WK 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,097.65 -3,073.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0741 MO 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,325.37 -13,248.74	
01 22 23 00-0742 DAY 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,183.22 -614.74	
01 22 23 00-0743 WK 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,662.55 -3,073.71	
01 22 23 00-0744 MO 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,017.65 -13,248.74	
01 22 23 00-0745 DAY 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,339.47 -614.74	
01 22 23 00-0746 WK 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,227.44 -3,073.71	
01 22 23 00-0747 MO 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,709.92 -13,248.74	
01 22 23 00-0748 DAY 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,441.63 -614.74	
01 22 23 00-0749 WK 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,575.99 -3,073.71	
01 22 23 00-0750 MO 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,767.60 -13,248.74	
01 22 23 00-0751 DAY 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,579.85 -614.74	
01 22 23 00-0752 WK 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,092.81 -3,073.71	
01 22 23 00-0753 MO 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,306.03 -13,248.74	
01 22 23 00-0754 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted <small>(01 22 23 00-0719)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0755 DAY 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,057.02 -614.74	
01 22 23 00-0756 WK 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,217.84 -3,073.71	
01 22 23 00-0757 MO 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,681.14 -13,248.74	
01 22 23 00-0758 DAY 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,168.78 -614.74	
01 22 23 00-0759 WK 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,068.77 -3,073.71	
01 22 23 00-0760 MO 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,233.91 -13,248.74	
01 22 23 00-0761 DAY 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,349.06 -614.74	
01 22 23 00-0762 WK 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,384.85 -3,073.71	
01 22 23 00-0763 MO 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,180.95 -13,248.74	
01 22 23 00-0764 DAY 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,709.63 -614.74	
01 22 23 00-0765 WK 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,700.93 -3,073.71	
01 22 23 00-0766 MO 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	42,123.19 -13,248.74	
01 22 23 00-0767 DAY 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,052.17 -614.74	
01 22 23 00-0768 WK 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,333.09 -3,073.71	
01 22 23 00-0769 MO 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	50,026.88 -13,248.74	
01 22 23 00-0770 DAY 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,617.07 -614.74	
01 22 23 00-0771 WK 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,358.29 -3,073.71	
01 22 23 00-0772 MO 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	56,084.07 -13,248.74	
01 22 23 00-0773 DAY 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,090.56 -614.74	
01 22 23 00-0774 WK 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,737.86 -3,073.71	
01 22 23 00-0775 MO 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	93,247.20 -13,248.74	
01 22 23 00-0776 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0719)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0777 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,042.83 -575.39	
01 22 23 00-0778 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,020.95 -2,876.96	
01 22 23 00-0779 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	14,860.87 -12,400.67	
01 22 23 00-0780 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,092.03 -575.39	

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01 22 23 00-0781	WK		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,131.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0782	MO		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,106.89	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0783	DAY		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,079.73	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0784	WK		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,187.02	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0785	MO		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,475.92	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0786	DAY		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,221.19	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0787	WK		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,556.05	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0788	MO		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	16,336.99	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0789			Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0719)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0790	DAY		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	879.22	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	60.77	
01 22 23 00-0791	WK		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,706.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	165.94	
01 22 23 00-0792	MO		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,299.64	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	379.79	
01 22 23 00-0793	DAY		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	895.22	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	63.97	
01 22 23 00-0794	WK		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,750.33	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	174.67	
01 22 23 00-0795	MO		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,399.58	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	399.78	
01 22 23 00-0796	DAY		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	981.32	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	81.19	
01 22 23 00-0797	WK		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,990.20	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	222.65	
01 22 23 00-0798	MO		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,953.13	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	510.49	
01 22 23 00-0799	DAY		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,028.74	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	90.67	
01 22 23 00-0800	WK		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,969.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	218.54	
01 22 23 00-0801	MO		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,120.79	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	544.02	
01 22 23 00-0802			Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0719)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0803	DAY		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	833.71	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	51.66	
01 22 23 00-0804	WK		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,467.41	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	118.09	
01 22 23 00-0805	MO		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	13,815.29	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	282.92	
01 22 23 00-0806	DAY		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	839.86	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	52.89	
01 22 23 00-0807	WK		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,485.86	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	121.78	
01 22 23 00-0808	MO		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	13,858.34	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	291.53	
01 22 23 00-0809	DAY		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	969.02	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	78.73	
01 22 23 00-0810	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,768.78	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	178.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0811 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,553.35 -12,400.67 430.54	
01 22 23 00-0812 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	981.32 -575.39 81.19	
01 22 23 00-0813 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,873.34 -2,876.96 199.28	
01 22 23 00-0814 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,922.37 -12,400.67 504.34	
01 22 23 00-0815 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,092.03 -575.39 103.33	
01 22 23 00-0816 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,051.71 -2,876.96 234.95	
01 22 23 00-0817 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	15,229.90 -12,400.67 565.85	
01 22 23 00-0818 Chain Hoists <small>(01 22 23 00-0719)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0819 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	13.41	
01 22 23 00-0820 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	36.21	
01 22 23 00-0821 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	91.19	
01 22 23 00-0822 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	29.50	
01 22 23 00-0823 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	71.08	
01 22 23 00-0824 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	177.03	
01 22 23 00-0825 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	42.92	
01 22 23 00-0826 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	103.26	
01 22 23 00-0827 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	257.49	
01 22 23 00-0828 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	85.83	
01 22 23 00-0829 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	206.53	
01 22 23 00-0830 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	514.98	
01 22 23 00-0831 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	96.56	
01 22 23 00-0832 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	233.35	
01 22 23 00-0833 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	579.36	
01 22 23 00-0834 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	120.70	
01 22 23 00-0835 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	291.02	
01 22 23 00-0836 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	724.19	
01 22 23 00-0837 Pumping Equipment <small>(01 22 23)</small>		
01 22 23 00-0838 Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-0837)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0862 for larger diameter pumps.</i>		
01 22 23 00-0839 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	80.09	
01 22 23 00-0840 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	180.21	
01 22 23 00-0841 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	480.55	
01 22 23 00-0842 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	96.11	
01 22 23 00-0843 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	216.25	
01 22 23 00-0844 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	576.66	
01 22 23 00-0845 Gas Powered Portable Diaphragm Pumps <small>(01 22 23 00-0837)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0846 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	92.11	
01 22 23 00-0847 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	260.30	
01 22 23 00-0848 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	660.76	
01 22 23 00-0849 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	112.13	
01 22 23 00-0850 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	300.34	
01 22 23 00-0851 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	850.98	
01 22 23 00-0852 Gas Powered Portable Trash Pumps <small>(01 22 23 00-0837)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		
01 22 23 00-0853 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	116.13	
01 22 23 00-0854 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	240.28	
01 22 23 00-0855 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	720.83	
01 22 23 00-0856 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	116.13	
01 22 23 00-0857 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	310.36	
01 22 23 00-0858 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	850.98	
01 22 23 00-0859 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	184.21	
01 22 23 00-0860 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	520.60	
01 22 23 00-0861 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,511.74	
01 22 23 00-0862 Diesel Powered Portable Trash Pumps <small>(01 22 23 00-0837)</small>		
<i>Note: Includes delivery, set-up, and removal. Excludes operator.</i>		

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01 22 23 00-0863	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	360.41	
01 22 23 00-0864	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	981.13	
01 22 23 00-0865	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,274.91	
01 22 23 00-0866	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	550.63	
01 22 23 00-0867	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,441.66	
01 22 23 00-0868	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,834.40	
01 22 23 00-0869	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	748.86	
01 22 23 00-0870	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,004.30	
01 22 23 00-0871	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,362.16	
01 22 23 00-0872	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	969.11	
01 22 23 00-0873	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,474.84	
01 22 23 00-0874	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,268.35	
01 22 23 00-0875			Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0876	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	514.59	
01 22 23 00-0877	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,171.35	
01 22 23 00-0878	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,652.20	
01 22 23 00-0879	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	630.72	
01 22 23 00-0880	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,571.81	
01 22 23 00-0881	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,274.91	
01 22 23 00-0882	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	760.87	
01 22 23 00-0883	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,250.59	
01 22 23 00-0884	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,277.21	
01 22 23 00-0885	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,145.32	
01 22 23 00-0886	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,925.36	
01 22 23 00-0887	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,589.87	
01 22 23 00-0888			3 Phase Electric Submersible Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0889	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	200.23	
01 22 23 00-0890	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	500.58	
01 22 23 00-0891	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,501.72	
01 22 23 00-0892	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	264.30	
01 22 23 00-0893	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	660.76	
01 22 23 00-0894	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,982.28	
01 22 23 00-0895			Hydraulic Submersible Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0896	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	132.15	
01 22 23 00-0897	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	354.41	
01 22 23 00-0898	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	991.14	
01 22 23 00-0899	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	168.19	
01 22 23 00-0900	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	432.50	
01 22 23 00-0901	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,321.52	
01 22 23 00-0902			Suction Hose With Couplings (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0903	DAY		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	13.82	
01 22 23 00-0904	WK		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	34.54	
01 22 23 00-0905	MO		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	85.20	
01 22 23 00-0906	DAY		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.12	
01 22 23 00-0907	WK		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	36.84	
01 22 23 00-0908	MO		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	89.80	
01 22 23 00-0909	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	34.54	
01 22 23 00-0910	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.99	
01 22 23 00-0911	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	204.94	
01 22 23 00-0912	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	43.75	
01 22 23 00-0913	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	99.01	
01 22 23 00-0914	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	264.80	
01 22 23 00-0915	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	57.57	
01 22 23 00-0916	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	133.55	
01 22 23 00-0917	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	301.65	
01 22 23 00-0918			Discharge Hose With Couplings (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0919	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.02	
01 22 23 00-0920	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.05	
01 22 23 00-0921	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.10	
01 22 23 00-0922	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.04	
01 22 23 00-0923	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0924 MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings	96.11	
01 22 23 00-0925 DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	32.04	
01 22 23 00-0926 WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	64.07	
01 22 23 00-0927 MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings	126.14	
01 22 23 00-0928 DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	44.05	
01 22 23 00-0929 WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	116.13	
01 22 23 00-0930 MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	234.27	
01 22 23 00-0931 DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	88.10	
01 22 23 00-0932 WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	180.21	
01 22 23 00-0933 MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	380.44	
01 22 23 00-0934 Temporary Building Services (01 22 23)		
01 22 23 00-0935 Boilers (01 22 23 00-0934)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0936 Electric Boilers (01 22 23 00-0935)		
01 22 23 00-0937 MO 40 MBH, 12 KW Electric Boiler Rental	1,381.82	
01 22 23 00-0938 MO 60 MBH, 20 KW Electric Boiler Rental	1,507.46	
01 22 23 00-0939 MO 95 MBH, 30 KW Electric Boiler Rental	1,570.28	
01 22 23 00-0940 MO 135 MBH, 40 KW Electric Boiler Rental	1,758.68	
01 22 23 00-0941 MO 165 MBH, 50 KW Electric Boiler Rental	2,449.59	
01 22 23 00-0942 MO 215 MBH, 60 KW Electric Boiler Rental	2,826.46	
01 22 23 00-0943 MO 365 MBH, 100 KW Electric Boiler Rental	3,705.83	
01 22 23 00-0944 MO 510 MBH, 150 KW Electric Boiler Rental	4,522.37	
01 22 23 00-0945 Oil/Gas Fired Boilers (01 22 23 00-0935)		
01 22 23 00-0946 MO Up To 100 HP Gas/Oil Dual Fuel Boiler Rental	5,000.00	
For >3 Months Rental, Deduct	-750.00	
01 22 23 00-0947 MO >100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental	6,500.00	
For >3 Months Rental, Deduct	-975.00	
01 22 23 00-0948 MO >250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental	10,500.00	
For >3 Months Rental, Deduct	-1,575.00	
01 22 23 00-0949 MO >500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental	14,500.00	
For >3 Months Rental, Deduct	-2,175.00	
01 22 23 00-0950 Oil Fired Boilers (01 22 23 00-0935)		
01 22 23 00-0951 MO 250 HP Oil Fired Boiler Rental	3,880.85	
01 22 23 00-0952 MO 350 HP Oil Fired Boiler Rental	5,174.47	
01 22 23 00-0953 MO 500 HP Oil Fired Boiler Rental	6,468.09	
01 22 23 00-0954 MO 600 HP Oil Fired Boiler Rental	7,114.89	
01 22 23 00-0955 Boilers Setup (01 22 23 00-0935)		
01 22 23 00-0956 EA Setup Rental Boiler	3,873.02	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0957 Chillers (01 22 23 00-0934)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0958 Air Cooled Chillers (01 22 23 00-0957)		
01 22 23 00-0959 MO 25 Ton Air Cooled Chiller Rental	2,357.06	
For >3 To 6 Month Rental, Deduct	-353.56	
For >6 Month Rental, Deduct	-589.27	
01 22 23 00-0960 MO 40 Ton Air Cooled Chiller Rental	3,771.31	
For >3 To 6 Month Rental, Deduct	-565.70	
For >6 Month Rental, Deduct	-942.83	
01 22 23 00-0961 MO 60 Ton Air Cooled Chiller Rental	4,612.73	
For >3 To 6 Month Rental, Deduct	-691.91	
For >6 Month Rental, Deduct	-1,153.18	
01 22 23 00-0962 MO 80 Ton Air Cooled Chiller Rental	5,454.16	
For >3 To 6 Month Rental, Deduct	-818.12	
For >6 Month Rental, Deduct	-1,363.54	
01 22 23 00-0963 MO 100 Ton Air Cooled Chiller Rental	6,295.59	
For >3 To 6 Month Rental, Deduct	-944.34	
For >6 Month Rental, Deduct	-1,573.90	
01 22 23 00-0964 MO 125 Ton Air Cooled Chiller Rental	7,293.56	
For >3 To 6 Month Rental, Deduct	-1,094.03	
For >6 Month Rental, Deduct	-1,823.39	
01 22 23 00-0965 MO 155 Ton Air Cooled Chiller Rental	8,823.42	
For >3 To 6 Month Rental, Deduct	-1,323.51	
For >6 Month Rental, Deduct	-2,205.86	
01 22 23 00-0966 MO 170 Ton Air Cooled Chiller Rental	9,435.37	
For >3 To 6 Month Rental, Deduct	-1,415.31	
For >6 Month Rental, Deduct	-2,358.84	
01 22 23 00-0967 MO 200 Ton Air Cooled Chiller Rental	10,838.94	
For >3 To 6 Month Rental, Deduct	-1,625.84	
For >6 Month Rental, Deduct	-2,709.74	

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01 22 23 00-0968 MO 250 Ton Air Cooled Chiller Rental..... <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	12,897.15 -1,934.57 -3,224.29	
01 22 23 00-0969 MO 300 Ton Air Cooled Chiller Rental..... Note: Includes trailer. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	15,049.64 -2,257.45 -3,762.41	
01 22 23 00-0970 MO 400 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	19,852.72 -2,977.91 -4,963.18	
01 22 23 00-0971 MO 500 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	24,573.96 -3,686.09 -6,143.49	
01 22 23 00-0972 EA Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	2,692.22	
01 22 23 00-0973 Chiller Rental Accessories <small>(01 22 23 00-0957)</small>		
01 22 23 00-0974 MO 4" x 25' Flexible Water Hose For Chiller Rental	42.00	
01 22 23 00-0975 MO 6" x 25' Flexible Water Hose For Chiller Rental	52.50	
01 22 23 00-0976 Cooling Tower <small>(01 22 23 00-0934)</small>		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0977 MO 100 Ton Cooling Tower Rental	2,163.00	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-324.45 -540.75	
01 22 23 00-0978 MO 200 Ton Cooling Tower Rental	3,937.50	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-590.63 -984.38	
01 22 23 00-0979 MO 250 Ton Cooling Tower Rental	4,459.04	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-668.86 -1,114.76	
01 22 23 00-0980 MO 300 Ton Cooling Tower Rental	5,040.00	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-756.00 -1,260.00	
01 22 23 00-0981 MO 400 Ton Cooling Tower Rental	6,300.00	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-945.00 -1,575.00	
01 22 23 00-0982 MO 500 Ton Cooling Tower Rental	7,365.78	
<i>For >3 To 6 Months Rental, Deduct</i> <i>For >6 Months Rental, Deduct</i>	-1,104.87 -1,841.45	
01 22 23 00-0983 MO Setup Rental Cooling Tower..... Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	2,692.22	
01 22 23 00-0984 Emergency Cooler/Freezer <small>(01 22 23 00-0934)</small>		
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.		
01 22 23 00-0985 DAY 8 x 6 x 7 Emergency Cooler Rental	90.00	
01 22 23 00-0986 WK 8 x 6 x 7 Emergency Cooler Rental	480.00	
01 22 23 00-0987 DAY 10 x 7 x 7 Emergency Cooler Rental	180.00	
01 22 23 00-0988 WK 10 x 7 x 7 Emergency Cooler Rental	720.00	
01 22 23 00-0989 MO 10 x 7 x 7 Emergency Cooler Rental	1,800.00	
01 22 23 00-0990 DAY 10 x 7 x 7 Emergency Freezer Rental.....	210.00	
01 22 23 00-0991 WK 10 x 7 x 7 Emergency Freezer Rental.....	840.00	
01 22 23 00-0992 MO 10 x 7 x 7 Emergency Freezer Rental.....	2,160.00	
01 22 23 00-0993 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	240.00	
01 22 23 00-0994 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	960.00	
01 22 23 00-0995 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,400.00	
01 22 23 00-0996 Portable Spot Cooling Units <small>(01 22 23 00-0934)</small>		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-0997 DAY 1 Ton Portable Spot Cooling Unit.....	125.00	
01 22 23 00-0998 WK 1 Ton Portable Spot Cooling Unit.....	275.00	
01 22 23 00-0999 MO 1 Ton Portable Spot Cooling Unit.....	550.00	
01 22 23 00-1000 DAY 2 Ton Portable Spot Cooling Unit.....	200.00	
01 22 23 00-1001 WK 2 Ton Portable Spot Cooling Unit.....	400.00	
01 22 23 00-1002 MO 2 Ton Portable Spot Cooling Unit.....	900.00	
01 22 23 00-1003 DAY 3 Ton Portable Spot Cooling Unit.....	300.00	
01 22 23 00-1004 WK 3 Ton Portable Spot Cooling Unit.....	600.00	
01 22 23 00-1005 MO 3 Ton Portable Spot Cooling Unit.....	1,200.00	
01 22 23 00-1006 DAY 5 Ton Portable Spot Cooling Unit.....	350.00	
01 22 23 00-1007 WK 5 Ton Portable Spot Cooling Unit.....	700.00	
01 22 23 00-1008 MO 5 Ton Portable Spot Cooling Unit.....	1,600.00	
01 22 23 00-1009 DAY 10 Ton Portable Spot Cooling Unit.....	750.00	
01 22 23 00-1010 WK 10 Ton Portable Spot Cooling Unit.....	1,200.00	
01 22 23 00-1011 MO 10 Ton Portable Spot Cooling Unit.....	2,400.00	



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01 22 23 00-1012 DAY 20 Ton Portable Spot Cooling Unit	1,000.00	
01 22 23 00-1013 WK 20 Ton Portable Spot Cooling Unit	1,750.00	
01 22 23 00-1014 MO 20 Ton Portable Spot Cooling Unit	3,750.00	
01 22 23 00-1015 DAY 25 Ton Portable Spot Cooling Unit	800.00	
01 22 23 00-1016 WK 25 Ton Portable Spot Cooling Unit	1,700.00	
01 22 23 00-1017 MO 25 Ton Portable Spot Cooling Unit	4,000.00	
01 22 23 00-1018 Fuel Oil Tank <small>(01 22 23 00-0934)</small>		
<small>Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.</small>		
01 22 23 00-1019 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	446.76	
01 22 23 00-1020 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	694.95	
01 22 23 00-1021 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,737.38	
01 22 23 00-1022 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,895.64	
01 22 23 00-1023 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,822.24	
01 22 23 00-1024 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,828.19	
01 22 23 00-1025 Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-1026 Trucks <small>(01 22 23 00-1025)</small>		
<small>Note: Includes full-time driver, delivery, and removal.</small>		
01 22 23 00-1027 Flat Bed Trucks <small>(01 22 23 00-1026)</small>		
<small>Note: Includes hydraulic tilt bed.</small>		
01 22 23 00-1028 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	707.64	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1029 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,083.95	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1030 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,399.36	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1031 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	790.24	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1032 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,295.60	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1033 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,941.37	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1034 DAY 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	849.50	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1035 WK 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,522.10	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1036 MO 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,803.44	
<i>For Equipment Without Operator, Deduct</i>	-11,134.69	
01 22 23 00-1037 Light Duty Trucks <small>(01 22 23 00-1026)</small>		
01 22 23 00-1038 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	687.10	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1039 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,142.52	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1040 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	12,306.50	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1041 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	719.06	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1042 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,238.40	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1043 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	12,519.56	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1044 Rear Dump Trucks <small>(01 22 23 00-1026)</small>		
01 22 23 00-1045 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	911.22	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1046 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	3,670.33	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1047 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	13,953.05	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1048 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	967.59	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1049 WK 6 CY Rear Dump Truck With Full-Time Truck Driver	3,791.12	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1050 MO 6 CY Rear Dump Truck With Full-Time Truck Driver	14,033.57	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1051 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver	1,635.95	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1052 WK 13 CY Rear Dump Truck With Full-Time Truck Driver	5,168.09	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1053 MO 13 CY Rear Dump Truck With Full-Time Truck Driver	17,898.77	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1054 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver	1,747.88	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1055 WK 18 CY Rear Dump Truck With Full-Time Truck Driver	5,426.58	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	

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01 22 23 00-1056 MO 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	18,575.18 -11,134.67	
01 22 23 00-1057 Vacuum Trucks (01 22 23 00-1026)		
01 22 23 00-1058 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,627.89 -516.65	
01 22 23 00-1059 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,929.86 -2,583.24	
01 22 23 00-1060 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	21,010.26 -11,134.67	
01 22 23 00-1061 Water Trucks (01 22 23 00-1026) See CSI section 01 22 23 00-1073 for water trailer.		
01 22 23 00-1062 DAY 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,070.91 -516.65 2.55	
01 22 23 00-1063 WK 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	4,042.80 -2,583.24 2.55	
01 22 23 00-1064 MO 2,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	14,583.43 -11,134.67 2.55	
01 22 23 00-1065 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,341.89 -516.65 2.55	
01 22 23 00-1066 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	4,855.73 -2,583.24 2.55	
01 22 23 00-1067 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	16,677.32 -11,134.67 2.55	
01 22 23 00-1068 Asphalt Distribution Trucks (01 22 23 00-1026)		
01 22 23 00-1069 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,401.42 -516.65	
01 22 23 00-1070 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,226.18 -2,583.24	
01 22 23 00-1071 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	18,947.87 -11,134.67	
01 22 23 00-1072 Trailers (01 22 23 00-1025) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1073 Water Trailers With Pump (01 22 23 00-1072)		
01 22 23 00-1074 DAY 500 To 600 Gallon Water Trailer With Pump .....141.65		
01 22 23 00-1075 WK 500 To 600 Gallon Water Trailer With Pump .....363.35		
01 22 23 00-1076 MO 500 To 600 Gallon Water Trailer With Pump .....973.04		
01 30 Administrative Requirements (01)		
01 32 Construction Progress Documentation (01 30)		
01 32 33 Photographic Documentation (01 32)		
01 32 33 00-0001 Photography (01 32 33) Note: Excludes QC photographs. As requested by owner.		
01 32 33 00-0002 EA 3-1/2" x 5" Color Print Photograph .....1.58		
01 32 33 00-0003 EA 4" x 6" Color Print Photograph .....2.11		
01 32 33 00-0004 EA 5" x 7" Color Print Photograph .....4.27		
01 32 33 00-0005 EA 8" x 10" Color Print Photograph .....7.12		
01 32 33 00-0006 Aerial Survey And Photography (01 32 33) Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".		
01 32 33 00-0007 EA Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs .....1,244.34 <i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i> 175.00 <i>For Each Mile Outside The City Area, Add</i> 3.00 <i>For Color Prints Instead Of Black And White, Add</i> 373.30		
01 32 33 00-0008 EA 5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph .....1,386.76 <i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i> 175.00 <i>For Each Mile Outside The City Area, Add</i> 3.00		
01 32 33 00-0009 HR Aerial Tour Of Project Site Up To 3 Passengers (Helicopter) .....937.00		
01 40 Quality Requirements (01)		
01 45 Quality Control (01 40)		



General Requirements	01	10
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23

Testing And Inspecting Services (01 45)

Note: For application to existing materials / site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001

Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002

Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	171.15
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	242.92
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	276.05
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	220.84
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	331.26
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	662.29
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	24.84
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	87.01
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	165.57
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	206.97
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	66.23
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	165.57
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	331.14

01 45 23 00-0016

Soil Borings Laboratory Tests (01 45 23 00-0001)

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	76.00
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test	24.25
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	58.46
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test	409.26
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test	80.84
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test	17.54
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	10.90
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test	140.68
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	49.06
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	9.70
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test	485.09
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	98.12
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test	121.27
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	282.77
01 45 23 00-0031	EA	California Bearing Ratio, ASTM D1883	248.44
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	72.76
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test	61.56
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	239.27
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	37.19

01 45 23 00-0036

Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	55.21
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	99.38
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	138.02
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136	107.62
Note: Includes wash.			
01 45 23 00-0041	EA	Specific Special Gravity, Course, ASTM C127	87.70
Note: Includes absorption test.			
01 45 23 00-0042	EA	Special Gravity, Fine, ASTM C127	78.65
Note: Includes absorption test.			
01 45 23 00-0043	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	116.93
01 45 23 00-0044	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	110.42
01 45 23 00-0045	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	110.42
01 45 23 00-0046	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	82.82
01 45 23 00-0047	EA	Fine Aggregate Durability Index, CA 229	88.34
01 45 23 00-0048	EA	Sodium And Magnesium Soundness, ASTM C88	231.80
01 45 23 00-0049	EA	Los Angeles Rattler, ASTM C-131, CA 211	176.67
01 45 23 00-0050	EA	Los Angeles Rattler, ASTM C-535	176.67
01 45 23 00-0051	EA	Unit Weight Of Aggregates, ASTM C29	49.69
01 45 23 00-0052	EA	Organic Impurities In Sand, ASTM C40	49.67
01 45 23 00-0053	EA	Crushed Particle, ASTM California Test Method	49.67
01 45 23 00-0054	EA	Clay Lump And Friable Particles, ASTM C142	99.34

01 45 23 00-0055

Permeability Tests (01 45 23 00-0001)

01 45 23 00-0056

In-Place Tests (01 45 23 00-0055)

01 45 23 00-0057	EA	Double Ring Infiltrometer Test, ASTM D3385	876.98
01 45 23 00-0058	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	41.39

01 45 23 00-0059

Lab Tests (01 45 23 00-0055)

01 45 23 00-0060	EA	Falling Head Rigid Wall Consolidometer Technique CAE	409.26
01 45 23 00-0061	EA	Falling Head Permeability Test EPA-9100	409.26
01 45 23 00-0062	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	233.86

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0063 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0064 Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0065 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	16.74	
01 45 23 00-0066 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	35.08	
01 45 23 00-0067 EA Concrete Cores Compression Test, ASTM C-42	71.77	
01 45 23 00-0068 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	104.90	
01 45 23 00-0069 EA Unit Weight Of Concrete Cylinder, ASTM C-567	38.65	
01 45 23 00-0070 EA Concrete Mix Design Review.....	209.80	
01 45 23 00-0071 EA Trial Concrete Batch Prepared In Laboratory	496.89	
01 45 23 00-0072 EA Concrete Shrinkage, ASTM C-157 Modified.....	386.47	
01 45 23 00-0073 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	59.63	
01 45 23 00-0074 EA Concrete Slump Test, ASTM C143.....	27.60	
01 45 23 00-0075 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	27.60	
01 45 23 00-0076 Cement Testing (01 45 23 00-0063)		
01 45 23 00-0077 EA Cement Grab Sample (CCR Title 24)	27.60	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	44.17	
01 45 23 00-0079 Asphaltic Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366	55.21	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	143.55	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559	55.21	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559.....	143.55	
01 45 23 00-0084 EA Swell Test, CA 305	66.25	
Note: Includes compaction.		
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B.....	165.63	
01 45 23 00-0086 EA Maximum Theoretical Unit Weight, ASTM C2041.....	105.24	
01 45 23 00-0087 EA Unit Weight Sample Requiring Compaction, California Test Method 308.....	22.08	
01 45 23 00-0088 EA Asphalt Unit Weight On Core Test, CA 308C	22.08	
01 45 23 00-0089 HR Nuclear Field Density Testing, 4 Hour Minimum.....	113.73	
01 45 23 00-0090 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	74.51	
01 45 23 00-0091 EA Penetration, ASTM D5.....	79.76	
01 45 23 00-0092 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0093 Masonry Testing (01 45 23 00-0092)		
01 45 23 00-0094 EA 2" x 4" Cylinder Mortar Compression Test.....	36.44	
01 45 23 00-0095 EA 4" x 4" x 8" Grout Prisms Compression Test.....	36.44	
01 45 23 00-0096 EA Masonry Cores Compression Test.....	71.77	
01 45 23 00-0097 EA Composite Grouted Prism Compression Test.....	138.02	
01 45 23 00-0098 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0092)		
01 45 23 00-0099 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	88.34	
01 45 23 00-0100 EA Absorption Test, Moisture Content And Unit Weight.....	60.73	
01 45 23 00-0101 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit	231.80	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	115.90	
01 45 23 00-0103 Metals Testing (01 45 23)		
01 45 23 00-0104 Tank Line Tightness Testing (01 45 23 00-0103)		
01 45 23 00-0105 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing.....	411.33	
01 45 23 00-0106 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	456.74	
01 45 23 00-0107 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	501.99	
01 45 23 00-0108 Other Testing (01 45 23)		
01 45 23 00-0109 Special Testing (01 45 23 00-0108)		
01 45 23 00-0110 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	85.59	
01 45 23 00-0111 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	513.54	
01 45 23 00-0112 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.82	
01 45 23 00-0113 EA Testing For The Presence Of PCBs In Caulk, Analysis Per Sample.....	107.03	
01 45 23 00-0114 EA Testing For The Presence Of PCBs In Soil, Analysis Per Sample.....	107.03	
01 45 23 00-0115 EA Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample.....	107.03	
01 45 23 00-0116 EA Testing For The Presence Of PCBs In Air, Analysis Per Sample	588.66	
01 45 23 00-0117 Nondestructive Field Testing Services (01 45 23 00-0108)		
01 45 23 00-0118 Infrared Thermography (01 45 23 00-0117)		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		



General Requirements	01	10
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0119	Roof Investigation And Moisture Survey Using Infrared Thermography ^(01 45 23 00-0118) Note: For on the roof surveys.	
01 45 23 00-0120	EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	1,800.00
01 45 23 00-0121	CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography <i>For CADD Drawings, Add</i>	3.00 0.60
01 45 23 00-0122	CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography..... <i>For CADD Drawings, Add</i>	2.00 0.40
01 45 23 00-0123	CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography..... <i>For CADD Drawings, Add</i> <i>For Elevated Infrared Thermography Roof Investigation, Add</i> <i>For Aerial Infrared Thermography Roof Investigation, Add</i>	1.50 0.30 0.38 0.38
01 45 23 00-0124	CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography..... <i>For CADD Drawings, Add</i> <i>For Elevated Infrared Thermography Roof Investigation, Add</i> <i>For Aerial Infrared Thermography Roof Investigation, Add</i>	1.00 0.20 0.25 0.25
01 45 23 00-0125	Building Moisture Investigation Using Infrared Thermography ^(01 45 23 00-0118) Note: For finding moisture in walls and windows.	
01 45 23 00-0126	EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	950.00
01 45 23 00-0127	CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	3.00 1.50
01 45 23 00-0128	CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	2.00 1.00
01 45 23 00-0129	CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	1.00 0.50
01 45 23 00-0130	General Building Investigation Using Infrared Thermography ^(01 45 23 00-0118) Note: For finding missing or misplaced insulation, air leakage and delamination.	
01 45 23 00-0131	EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	1,950.00
01 45 23 00-0132	CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	3.00 1.50
01 45 23 00-0133	CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	2.00 1.00
01 45 23 00-0134	CSF >5,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	1.00 0.50
01 45 23 00-0135	Electrical /Mechanical Equipment Scanning Using Infrared Thermography ^(01 45 23 00-0118) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.	
01 45 23 00-0136	EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	950.00
01 45 23 00-0137	HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	156.53 23.14
01 45 23 00-0138	Concrete Block Wall Investigation Using Infrared Thermography ^(01 45 23 00-0118) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0139	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge.....	950.00
01 45 23 00-0140	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	3.00 0.45
01 45 23 00-0141	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	2.00 0.30
01 45 23 00-0142	Other Nondestructive Field Testing Services ^(01 45 23 00-0117)	
01 45 23 00-0143	HR ASNT Certified Level I NDT Consultant.....	68.10
01 45 23 00-0144	HR ASNT Certified Level II NDT Consultant.....	69.82
01 45 23 00-0145	HR ASNT Certified Level III NDT Consultant.....	98.08
01 45 23 00-0146	HR Certified Industrial Radiography Radiation Safety Personnel.....	37.35
01 45 23 00-0147	Testing Professional Services ^(01 45 23 00-0108)	
01 45 23 00-0148	HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection.....	102.69
01 45 23 00-0149	HR Laboratory Technician.....	99.38
01 45 23 00-0150	HR Portable Digital Reinforcement Scanner.....	143.55
01 45 23 00-0151	HR Subsurface Detection Radar System.....	242.92
01 45 23 00-0152	HR Pavement Rehabilitation Analysis Using Deflectors.....	276.05
01 45 23 00-0153	HR Associate Engineer.....	143.55
01 45 23 00-0154	HR Staff Engineer.....	132.50
01 45 23 00-0155	HR Project Manager.....	126.98
01 45 23 00-0156	HR Principal Engineer.....	193.24
01 45 23 00-0157	HR Consulting Engineer.....	154.59

01 50 Temporary Facilities And Controls ⁽⁰¹⁾

Note: Tasks in this section shall be used as directed by owner.

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 51	Temporary Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

01 51 13 00-0001 Service Switch And/Or Building Feeder Switch (01 51 13)

Note: Includes fuses.

01 51 13 00-0002	EA	Temporary 30 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	521.12	227.44
01 51 13 00-0003	EA	Temporary 60 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	654.73	301.65
01 51 13 00-0004	EA	Temporary 100 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	923.49	330.13
01 51 13 00-0005	EA	Temporary 200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,387.83	513.74
01 51 13 00-0006	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	2,566.93	852.69
01 51 13 00-0007	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	4,283.06	1,136.99
01 51 13 00-0008	EA	Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,947.54	1,289.21
01 51 13 00-0009	EA	Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	9,605.04	1,964.51
01 51 13 00-0010	EA	Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	13,680.57	2,946.86

01 51 13 00-0011 Panelboard Complete With Branch Fuses 120/208V (01 51 13)

Note: Main lug.

01 51 13 00-0012	EA	Temporary 100 Amp Panelboard Complete With Up To 24 Branch Circuits, 120/208 Volt.....	956.74	223.22
01 51 13 00-0013	EA	Temporary 200 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,312.53	409.35
01 51 13 00-0014	EA	Temporary 400 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	2,059.93	613.93
01 51 13 00-0015	EA	Temporary 600 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	2,892.46	1,023.27

01 51 13 00-0016 Cord Grip Plug (01 51 13)

Note: Includes installation, a maximum of 50' of cord and connection to source.

01 51 13 00-0017	EA	Temporary 2 - Pole Cord Grip Plug With Installation	135.68	61.47
01 51 13 00-0018	EA	Temporary 3 - Pole Cord Grip Plug With Installation	201.54	94.56
01 51 13 00-0019	EA	Temporary 4 - Pole Cord Grip Plug With Installation	259.46	122.75
01 51 13 00-0020	EA	Temporary 3 - Pole (30 A) Cord Grip Plug With Installation.....	197.85	94.56
01 51 13 00-0021	EA	Temporary 4 - Pole (30 A) Cord Grip Plug With Installation.....	253.60	122.75
01 51 13 00-0022	EA	Temporary 3 - Pole (50 A) Cord Grip Plug With Installation.....	216.91	94.56

01 51 26 Temporary Lighting (01 51)

01 51 26 00-0001 Temporary Devices (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	148.18	45.84
01 51 26 00-0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp	20.93	9.53
01 51 26 00-0004	EA	Temporary 10 Light String With Cages	55.69	21.55
01 51 26 00-0005	EA	Temporary GFI Device With Enclosure And Branch Wiring.....	159.23	61.47
01 51 26 00-0006	EA	Temporary Trailer Socket With Branch Wiring.....	62.26	22.26
01 51 26 00-0007	EA	Temporary High Bay Light.....	210.84	90.26

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices And Sheds (01 52)

01 52 13 00-0001 Field Offices (01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Office, With Toilet	100.40	
		<i>For Each Delivery And Removal, Round Trip, Add</i>	527.17	
		<i>For Each Set-Up (Block And Level), Add</i>	140.96	
		<i>For Each Anchoring Into Dirt, Add</i>	60.00	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Office Trailer Without Toilet, Deduct</i>	-20.08	
01 52 13 00-0003	MO	8' x 32' Office, With Toilet	113.79	
		<i>For Each Delivery And Removal, Round Trip, Add</i>	527.17	
		<i>For Each Set-Up (Block And Level), Add</i>	140.96	
		<i>For Each Anchoring Into Dirt, Add</i>	60.00	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Office Trailer Without Toilet, Deduct</i>	-22.76	
01 52 13 00-0004	MO	10' x 36' Office, With Toilet	153.95	
		<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
		<i>For Each Set-Up (Block And Level), Add</i>	229.99	
		<i>For Each Anchoring Into Dirt, Add</i>	60.00	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Office Trailer Without Toilet, Deduct</i>	-30.79	
01 52 13 00-0005	MO	10' x 40' Office, With Toilet	163.99	
		<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
		<i>For Each Set-Up (Block And Level), Add</i>	229.99	
		<i>For Each Anchoring Into Dirt, Add</i>	60.00	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
		<i>For Office Trailer Without Toilet, Deduct</i>	-32.80	
01 52 13 00-0006	MO	10' x 44' Office, With Toilet	180.72	
		<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
		<i>For Each Set-Up (Block And Level), Add</i>	229.99	
		<i>For Each Anchoring Into Dirt, Add</i>	60.00	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0007 MO 10' x 50' Office, With Toilet.....	190.76	
<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
<i>For Each Set-Up (Block And Level), Add</i>	229.99	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0008 MO 12' x 44' Office, With Toilet.....	203.92	
<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
<i>For Each Set-Up (Block And Level), Add</i>	229.99	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0009 MO 12' x 50' Office, With Toilet.....	224.23	
<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
<i>For Each Set-Up (Block And Level), Add</i>	229.99	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0010 MO 12' x 60' Office, With Toilet.....	244.31	
<i>For Each Delivery And Removal, Round Trip, Add</i>	874.00	
<i>For Each Set-Up (Block And Level), Add</i>	229.99	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0011 MO 24' x 60' Office, With Toilet.....	535.47	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,664.76	
<i>For Each Set-Up (Block And Level), Add</i>	370.95	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0012 MO 24' x 72' Office, With Toilet.....	642.56	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,664.76	
<i>For Each Set-Up (Block And Level), Add</i>	370.95	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0013 MO 30' x 30' Office, With Toilet.....	305.39	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,664.76	
<i>For Each Set-Up (Block And Level), Add</i>	370.95	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0014 Accessories For Field Office Trailers (01 52 13)		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0015 MO Desk For Field Office Trailer.....	28.48	
01 52 13 00-0016 MO Rolling Desk Chair For Field Office Trailer.....	17.80	
01 52 13 00-0017 MO File Cabinet For Field Office Trailer.....	21.36	
01 52 13 00-0018 MO Table For Field Office Trailer.....	14.24	
01 52 13 00-0019 MO Folding Chair For Field Office Trailer.....	6.75	
01 52 13 00-0020 EA Phone Hook-Up For Field Office Trailer.....	78.33	
01 52 13 00-0021 MO Local Phone Service Per Phone Line For Field Office Trailer.....	49.85	
01 52 13 00-0022 MO Security System With Monitoring For Field Office Trailer.....	80.00	
01 52 13 00-0023 LF Perimeter Trailer Skirting For Field Office Trailer.....	25.72	
01 52 13 00-0024 LF Insulated Perimeter Trailer Skirting For Field Office Trailer.....	46.77	
01 52 13 00-0025 MO Steps For Field Office Trailer.....	25.00	
01 52 13 00-0026 MO Fax Machine For Field Office Trailer.....	35.61	
01 52 13 00-0027 MO Copier For Field Office Trailer.....	56.97	
01 52 13 00-0028 Storage Containers (01 52 13)		
01 52 13 00-0029 MO 8' x 8' x 10' Storage Container.....	74.96	
<i>For Delivery And Pick-up Of Container, Add</i>	335.98	
<i>For >12 Months, Deduct</i>	-22.49	
01 52 13 00-0030 MO 8' x 8' x 20' Storage Container.....	78.37	
<i>For Delivery And Pick-up Of Container, Add</i>	335.98	
<i>For >12 Months, Deduct</i>	-23.51	
01 52 13 00-0031 MO 8' x 8' x 40' Storage Container.....	92.68	
<i>For Delivery And Pick-up Of Container, Add</i>	335.98	
<i>For >12 Months, Deduct</i>	-27.80	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Toilets, Chemical.....	38.33	
<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0003 MO Portable Toilets, Chemical.....	114.99	
<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0004 WK ADA Portable Toilets, Chemical.....	45.72	
<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0005 MO ADA Portable Toilets, Chemical.....	134.15	
<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
01 52 19 00-0006 WK Two Station Portable Handwash.....	27.29	
01 52 19 00-0007 MO Two Station Portable Handwash.....	82.79	
01 52 19 00-0008 MO Portable Toilets, Multi Trailer - 16'.....	2,500.00	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009 WK Service Trailer Restrooms, 3 Times Per Week.....	1,874.00	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 54	Construction Aids



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding And Platforms (01 54)

01 54 23 00-0001	Scaffolding <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height of 14'.	
01 54 23 00-0002	Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.	
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month).....	20.84
	For Up To 25, Add	8.34
	For >25 To 50, Add	5.21
	For >50 To 150, Add	2.08
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month).....	23.44
	For Up To 25, Add	9.38
	For >25 To 50, Add	5.86
	For >50 To 150, Add	2.34
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month).....	31.26
	For Up To 25, Add	12.50
	For >25 To 50, Add	7.82
	For >50 To 150, Add	3.13

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	40.82
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	51.04
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	61.24
01 54 23 00-0010	CCF >60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	67.37
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	77.57

01 54 23 00-0012 Rolling Scaffolding (01 54 23)

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0013	DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.15
01 54 23 00-0014	WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	40.69
01 54 23 00-0015	MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	162.74
01 54 23 00-0016	DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.00
01 54 23 00-0017	WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	68.08
01 54 23 00-0018	MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	272.36
01 54 23 00-0019	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	87.87
01 54 23 00-0020	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	109.83

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage (01 54 26)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0002	MO Swing Stage, Electric Operated	1,497.38
01 54 26 00-0003	MO Swing Stage, Manually Operated, With Ropes, Winch, Support Hooks, Etcetera	539.71
01 54 26 00-0004	EA Swing Stage Erection And Dismantling.....	407.29
	Note: Includes both erection and dismantling of swing stage.	
01 54 26 00-0005	EA Move Swing Stage To Different Roof At Same Site	191.92
01 54 26 00-0006	EA Move Swing Stage To Different Location At Same Roof.....	88.58

01 54 29 Temporary Sidewalk Protection (01 54)

01 54 30 00-0001 Sidewalk Bridge (01 54 29)

01 54 30 00-0002 Installation of Sidewalk Bridge (01 54 30 00-0001)

01 54 30 00-0003	LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	69.41
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
	For 3 Post System, Add	6.00
	For Each Additional Foot Over 8' Wide, Add	3.00
	For Each Additional Foot Over 8' High, Add	2.00
01 54 30 00-0004	LF Installation of Netting for Sidewalk Bridge.....	3.33

01 54 30 00-0005 Monthly Rental of Sidewalk Bridge (01 54 30 00-0001)

01 54 30 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.34
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
	For 3 Post System, Add	0.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 30 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.01	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	0.90	
01 54 30 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.67	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.00	
01 54 30 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.67	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.00	
01 54 30 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.34	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.10	
01 54 30 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.67	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.30	
01 54 30 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.01	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.20	
01 54 30 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.34	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.40	
01 54 30 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.01	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.50	
01 54 30 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.00	
01 54 30 00-0016 Removal of Sidewalk Bridge (01 54 30 00-0001)		
01 54 30 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	27.19	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
01 54 30 00-0018 LF Removal of Netting for Sidewalk Bridge.....	1.67	
01 55 Vehicular Access And Parking (01 50)		
01 55 23 Temporary Roads (01 55)		
01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)		
Note: As per Caltrans detail.		
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly.....	3.35	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly.....	4.96	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0004 Rumble Trench Plate (01 55 23)		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....	200.00	
01 55 23 00-0006 EA Place And Remove Rumble Plate.....	72.94	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	18.24	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Preformed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	4.11	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	5.00	
01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	3.15	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	4.16	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	5.11	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 55	Vehicular Access And Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0008	Temporary Painted Traffic Lines <small>(01 55 26)</small>	
	Note: Includes installation and removal after use.	
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	2.78	
<i>For Not Removed, Deduct</i>		
	-2.28	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	3.71	
<i>For Not Removed, Deduct</i>		
	-3.09	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	4.67	
<i>For Not Removed, Deduct</i>		
	-3.94	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.09	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.10	
01 55 26 00-0014	Pedestrian Traffic Control <small>(01 55 26)</small>	
01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	10.76	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	14.62	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	7.63	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	9.60	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	10.83	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	15.79	
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape).....	13.45	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape).....	19.72	
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape).....	25.83	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape).....	30.29	
01 55 26 00-0025	Traffic Protection <small>(01 55 26)</small>	
01 55 26 00-0026	Portable Traffic Control Device Rental <small>(01 55 26 00-0025)</small>	
	Note: Excludes placing and removing devices.	
01 55 26 00-0027 DAY 28" Cone With Reflective Collar.....	0.43	
01 55 26 00-0028 WK 28" Cone With Reflective Collar.....	1.29	
01 55 26 00-0029 MO 28" Cone With Reflective Collar.....	3.86	
01 55 26 00-0030 DAY Vertical Panel.....	1.30	
01 55 26 00-0031 WK Vertical Panel.....	3.89	
01 55 26 00-0032 MO Vertical Panel.....	11.67	
01 55 26 00-0033 DAY Channelizer Drum.....	1.41	
01 55 26 00-0034 WK Channelizer Drum.....	4.22	
01 55 26 00-0035 MO Channelizer Drum.....	12.67	
01 55 26 00-0036 DAY Stackable Channelizer Panel.....	0.67	
01 55 26 00-0037 WK Stackable Channelizer Panel.....	2.00	
01 55 26 00-0038 MO Stackable Channelizer Panel.....	5.99	
01 55 26 00-0039 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	0.92	
01 55 26 00-0040 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	2.77	
01 55 26 00-0041 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	8.30	
01 55 26 00-0042 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.04	
01 55 26 00-0043 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	6.13	
01 55 26 00-0044 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	18.39	
01 55 26 00-0045 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.33	
01 55 26 00-0046 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	6.99	
01 55 26 00-0047 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	20.96	
01 55 26 00-0048 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.26	
01 55 26 00-0049 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	12.78	
01 55 26 00-0050 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	38.34	
01 55 26 00-0051 DAY Up To 10' Wide A Frame Barricade.....	2.34	
01 55 26 00-0052 WK Up To 10' Wide A Frame Barricade.....	7.01	
01 55 26 00-0053 MO Up To 10' Wide A Frame Barricade.....	21.03	
01 55 26 00-0054 DAY Type A Or C Flasher.....	0.48	
01 55 26 00-0055 WK Type A Or C Flasher.....	1.43	
01 55 26 00-0056 MO Type A Or C Flasher.....	4.29	
01 55 26 00-0057 DAY Type B Flasher (High Intensity).....	2.58	
01 55 26 00-0058 WK Type B Flasher (High Intensity).....	7.75	
01 55 26 00-0059 MO Type B Flasher (High Intensity).....	23.25	
01 55 26 00-0060	Traffic Barriers Rental <small>(01 55 26 00-0025)</small>	
	Note: Excludes placing and removing devices.	
01 55 26 00-0061 DAY 6' Long Portable Parking Curbs.....	1.11	
01 55 26 00-0062 WK 6' Long Portable Parking Curbs.....	3.34	
01 55 26 00-0063 MO 6' Long Portable Parking Curbs.....	10.02	
01 55 26 00-0064 DAY 6' Long Portable Speed Bumps.....	3.29	
01 55 26 00-0065 WK 6' Long Portable Speed Bumps.....	9.88	
01 55 26 00-0066 MO 6' Long Portable Speed Bumps.....	29.64	
01 55 26 00-0067 DAY Up To 12.5' Concrete Traffic Barrier.....	7.91	
01 55 26 00-0068 WK Up To 12.5' Concrete Traffic Barrier.....	23.73	
01 55 26 00-0069 MO Up To 12.5' Concrete Traffic Barrier.....	71.20	
01 55 26 00-0070 DAY >12.5' To 20' Concrete Traffic Barrier.....	15.82	
01 55 26 00-0071 WK >12.5' To 20' Concrete Traffic Barrier.....	47.47	
01 55 26 00-0072 MO >12.5' To 20' Concrete Traffic Barrier.....	142.40	
01 55 26 00-0073 DAY 6' x 32" Tall Plastic Water Barrier.....	9.45	
01 55 26 00-0074 WK 6' x 32" Tall Plastic Water Barrier.....	28.34	
01 55 26 00-0075 MO 6' x 32" Tall Plastic Water Barrier.....	85.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0076 DAY 6' x 46" Tall Plastic Water Barrier	13.49	
01 55 26 00-0077 WK 6' x 46" Tall Plastic Water Barrier	40.47	
01 55 26 00-0078 MO 6' x 46" Tall Plastic Water Barrier	121.41	
01 55 26 00-0079 DAY Sand Filled Crash Attenuator Barrels	5.28	
01 55 26 00-0080 WK Sand Filled Crash Attenuator Barrels	15.84	
01 55 26 00-0081 MO Sand Filled Crash Attenuator Barrels	47.52	
01 55 26 00-0082 Portable Signs And Message Displays Rental (01 55 26 00-0025)		
Note: Excludes placing and removing devices.		
01 55 26 00-0083 DAY Mesh Or Vinyl Roll-up Sign With Stand	4.15	
01 55 26 00-0084 WK Mesh Or Vinyl Roll-up Sign With Stand	12.44	
01 55 26 00-0085 MO Mesh Or Vinyl Roll-up Sign With Stand	37.31	
01 55 26 00-0086 DAY Aluminum Sign And Post	2.35	
01 55 26 00-0087 WK Aluminum Sign And Post	7.04	
01 55 26 00-0088 MO Aluminum Sign And Post	21.14	
01 55 26 00-0089 DAY Aluminum Sign And A Frame Stand	3.13	
01 55 26 00-0090 WK Aluminum Sign And A Frame Stand	9.40	
01 55 26 00-0091 MO Aluminum Sign And A Frame Stand	28.21	
01 55 26 00-0092 DAY Trailer Mounted Arrow Board	47.99	
01 55 26 00-0093 WK Trailer Mounted Arrow Board	143.98	
01 55 26 00-0094 MO Trailer Mounted Arrow Board	431.95	
01 55 26 00-0095 DAY Trailer Mounted Message Board	183.00	
01 55 26 00-0096 WK Trailer Mounted Message Board	549.00	
01 55 26 00-0097 MO Trailer Mounted Message Board	1,647.00	
01 55 26 00-0098 DAY Trailer Mounted Traffic Signal	258.20	
01 55 26 00-0099 WK Trailer Mounted Traffic Signal	1,704.12	
01 55 26 00-0100 MO Trailer Mounted Traffic Signal	6,713.20	
01 55 26 00-0101 Place And Remove Traffic Protection Using Truck (01 55 26 00-0025)		
Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0102 EA Place And Remove Up To 250 Cones Using Truck	3.59	
01 55 26 00-0103 EA Place And Remove >250 Cones Using Truck	2.87	
01 55 26 00-0104 EA Place And Remove Up To 250 Panels/Channelizers Using Truck	4.79	
01 55 26 00-0105 EA Place And Remove >250 Panels/Channelizers Using Truck	3.83	
01 55 26 00-0106 EA Place And Remove Up To 250 Barricades Using Truck	7.18	
01 55 26 00-0107 EA Place And Remove >250 Barricades Using Truck	5.74	
01 55 26 00-0108 EA Place And Remove Curbs/Speed Bumps Using Truck	7.18	
01 55 26 00-0109 EA Place And Remove Portable Sign And Stand Using Truck	4.30	
01 55 26 00-0110 EA Place And Remove Aluminum Sign And Post Using Truck	17.94	
01 55 26 00-0111 EA Place And Remove Trailer Mounted Boards Using Truck	53.83	
01 55 26 00-0112 EA Place And Remove Up To 12.5' Concrete Traffic Barrier	72.94	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
	<i>For 1 Barrier, Add</i>	182.35
	<i>For 2 Barriers, Add</i>	65.65
	<i>For 3 Barriers, Add</i>	21.88
01 55 26 00-0113 EA Place And Remove >12.5' Concrete Traffic Barrier	109.40	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
	<i>For 1 Barrier, Add</i>	273.50
	<i>For 2 Barriers, Add</i>	98.46
	<i>For 3 Barriers, Add</i>	32.82
01 55 26 00-0114 EA Place And Remove Plastic Water Barrier	37.97	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
	<i>For 1 Barrier, Add</i>	91.15
	<i>For 2 Barriers, Add</i>	32.81
	<i>For 3 Barriers, Add</i>	10.94
01 55 26 00-0115 EA Place And Remove Crash Attenuator Barrels	54.70	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
	<i>For 1 Barrier, Add</i>	136.75
	<i>For 2 Barriers, Add</i>	49.23
	<i>For 3 Barriers, Add</i>	16.41
01 55 26 00-0116 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0025)		
01 55 26 00-0117 EA Place And Remove Up To 250 Cones By Hand From Roadside	1.80	
01 55 26 00-0118 EA Place And Remove >250 Cones By Hand From Roadside	1.43	
01 55 26 00-0119 EA Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside	2.39	
01 55 26 00-0120 EA Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.90	
01 55 26 00-0121 EA Place And Remove Up To 250 Barricades By Hand From Roadside	3.59	
01 55 26 00-0122 EA Place And Remove >250 Barricades By Hand From Roadside	2.87	
01 55 26 00-0123 EA Place And Remove Portable Sign And Stand From Roadside	2.24	
01 55 26 00-0124 EA Place And Remove Trailer Mounted Boards From Roadside	26.92	
01 55 26 00-0125 EA Roadside Relocation Of Concrete Traffic Barrier	36.46	
Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 56	Temporary Barriers And Enclosures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)

01 56 16 00-0002	SF	6 Mil Plastic Sheeting, Applied To Floors.....	0.30
01 56 16 00-0003	SF	6 Mil Plastic Sheeting, Applied To Walls.....	0.38
01 56 16 00-0004	SF	6 Mil Plastic Sheeting, Applied To Ceilings.....	0.51
01 56 16 00-0005	SF	10 Mil Shrink Wrap Applied To Scaffolding.....	0.55
01 56 16 00-0006	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors.....	0.40
01 56 16 00-0007	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls.....	0.48
01 56 16 00-0008	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings.....	0.61
01 56 16 00-0009	SF	Burlap, Applied To Floors.....	0.57
01 56 16 00-0010	EA	7' Zipper Door For Plastic Sheeting.....	16.41
01 56 16 00-0011	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	5.59
		Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	
01 56 16 00-0012	EA	Up To 1 SF Individual Critical Barriers.....	8.86
		Note: For Outlets And Receptacles	
01 56 16 00-0013	EA	>1 To 4 SF Individual Critical Barriers.....	13.41
		Note: For diffusers, ceiling speakers, return grilles, etc.	
01 56 16 00-0014	EA	>4 To 8 SF Individual Critical Barriers.....	18.03
		Note: For diffusers, return grilles, access doors, light fixtures, etc.	
01 56 16 00-0015	EA	>8 To 32 SF Individual Critical Barriers.....	28.16
		Note: For doors, windows, etc.	

01 56 16 00-0016 Temporary Stud Wall (01 56 16)

01 56 16 00-0017 Temporary Stud Wall With Drywall (01 56 16 00-0016)

Note: Includes 2 x 4 wood studs installed 16" on center, drywall taped and finished, and removal after use. Excludes paint.

01 56 16 00-0018 Temporary Stud Wall With Drywall (01 56 16 00-0017)

01 56 16 00-0019	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.78
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0020	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.78
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0021	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.86
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0022	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.63
		<i>For Metal Studs 24" On Center, Add</i>	0.33
01 56 16 00-0023	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.63
		<i>For Metal Studs 24" On Center, Add</i>	0.33
01 56 16 00-0024	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.79
		<i>For Metal Studs 24" On Center, Add</i>	0.33

01 56 16 00-0025 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0017)

01 56 16 00-0026	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.87
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0027	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.90
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0028	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.85
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0029	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.48
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0030	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.81
		<i>For Metal Studs 24" On Center, Add</i>	0.33
01 56 16 00-0031	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.87
		<i>For Metal Studs 24" On Center, Add</i>	0.33
01 56 16 00-0032	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.77
		<i>For Metal Studs 24" On Center, Add</i>	0.33
01 56 16 00-0033	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.02
		<i>For Metal Studs 24" On Center, Add</i>	0.33

01 56 16 00-0034 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0016)

Note: Includes 2 x 4 wood studs installed 16" on center, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0035	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.67
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0036	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.71
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0037	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.81
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0038	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.87
		<i>For Metal Studs 24" On Center, Add</i>	0.25
01 56 16 00-0039	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.41
		<i>For Metal Studs 24" On Center, Add</i>	0.33



		General Requirements	01
		Temporary Facilities And Controls	01 50
		Temporary Barriers And Enclosures	01 56

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0040	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.48 0.33	
01 56 16 00-0041	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.69 0.33	
01 56 16 00-0042	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.80 0.33	
01 56 16 00-0043			Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0016)</small> Note: Includes 2 x 4 wood studs installed 16" on center, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0044	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.92 0.25	
01 56 16 00-0045	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.05 0.25	
01 56 16 00-0046	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.21 0.25	
01 56 16 00-0047	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.32 0.25	
01 56 16 00-0048	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.90 0.33	
01 56 16 00-0049	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.16 0.33	
01 56 16 00-0050	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.48 0.33	
01 56 16 00-0051	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.71 0.33	
01 56 16 00-0052			Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0016)</small> Note: Includes 2 x 4 wood studs installed 16" on center, 6 Mil plastic sheeting, and removal after use. Excludes paint.		
01 56 16 00-0053	SF		6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.75	
01 56 16 00-0054			Temporary Doors <small>(01 56 16 00-0016)</small>		
01 56 16 00-0055	EA		Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	423.51	
01 56 16 00-0056			Temporary Floor Protection <small>(01 56 16)</small>		
01 56 16 00-0057	SF		Masonite For Temporary Floor Protection	1.42	
01 56 16 00-0058	SF		1/2" Plywood For Temporary Floor Protection.....	1.48	
01 56 16 00-0059	SF		3/4" Plywood For Temporary Floor Protection.....	1.81	
01 56 16 00-0060			Sticky Mats <small>(01 56 16)</small>		
01 56 16 00-0061	EA		18" x 36", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	27.11 17.70	
01 56 16 00-0062	EA		18" x 46", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	31.14 20.72	
01 56 16 00-0063	EA		24" x 36", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	31.14 20.72	
01 56 16 00-0064	EA		25" x 45", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	42.08 28.93	
01 56 16 00-0065	EA		26" x 46", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	42.65 29.36	
01 56 16 00-0066	EA		36" x 36", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	48.98 34.10	
01 56 16 00-0067	EA		36" x 46", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	54.74 38.42	
01 56 16 00-0068	EA		36" x 48", 30 Layer Sticky Mat.....	63.37	
01 56 16 00-0069	EA		36" x 60", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	81.22 58.28	
01 56 16 00-0070	EA		36" x 72", 30 Layer Sticky Mat.....	95.61	
01 56 16 00-0071	EA		40" x 48", 30 Layer Sticky Mat.....	101.36	
01 56 16 00-0072	EA		45" x 50", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	107.12 98.43	
01 56 16 00-0073	EA		46" x 48", 30 Layer Sticky Mat.....	90.43	
01 56 16 00-0074	EA		46" x 60", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	98.48 90.22	
01 56 16 00-0075	EA		60" x 72", 30 Layer Sticky Mat..... <i>For 60 Layers Instead Of 30, Add</i>	173.31 161.31	
01 56 26			Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001			Temporary Fencing <small>(01 56 26)</small> Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002			Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	3.15	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.47	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	3.56	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	6.01	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.90	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	17.88	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.68	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	3.48	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.52	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	3.91	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	6.61	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	19.66	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.95	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	3.83	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	4.31	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.65	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	7.28	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.09	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	21.63	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-3.24	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.21	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.63	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	4.72	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.71	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months.....	7.99	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.20	
			<i>For Shade Cloth, Add</i>	3.60	



		General Requirements	01
		Temporary Facilities And Controls	01 50
		Temporary Barriers And Enclosures	01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	23.78	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.38	
For >500, Deduct	-3.57	
For Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	200.98	
For Shade Cloth, Add	15.01	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.64	
For Shade Cloth, Add	37.52	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	357.30	
For Shade Cloth, Add	45.02	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	401.96	
For Shade Cloth, Add	56.28	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	491.28	
For Shade Cloth, Add	75.03	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	535.97	
For Shade Cloth, Add	90.04	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	210.12	
For Shade Cloth, Add	23.92	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.84	
For Shade Cloth, Add	59.79	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	373.53	
For Shade Cloth, Add	71.75	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	420.25	
For Shade Cloth, Add	89.69	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
For Shade Cloth, Add	119.58	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	560.31	
For Shade Cloth, Add	143.50	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	231.13	
For Shade Cloth, Add	33.77	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.54	
For Shade Cloth, Add	84.41	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.90	
For Shade Cloth, Add	101.30	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	462.26	
For Shade Cloth, Add	126.62	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.99	
For Shade Cloth, Add	168.83	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	616.35	
For Shade Cloth, Add	202.59	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	288.91	
For Shade Cloth, Add	44.55	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.42	
For Shade Cloth, Add	111.38	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
For Shade Cloth, Add	133.65	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.83	
For Shade Cloth, Add	167.07	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	706.23	
For Shade Cloth, Add	222.76	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	770.43	
For Shade Cloth, Add	267.31	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	211.03	
For Shade Cloth, Add	15.01	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	328.27	
For Shade Cloth, Add	37.52	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	375.17	
For Shade Cloth, Add	45.02	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	422.06	
For Shade Cloth, Add	56.28	

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	515.84	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	562.76	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.63	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	343.19	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	392.21	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.26	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	588.33	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	242.69	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	377.51	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	431.44	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	485.37	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	593.23	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	647.16	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.36	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	471.89	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	606.72	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.54	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	808.96	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	221.58	
			<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	344.69	
			<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	393.93	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	443.16	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	541.64	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	590.90	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	231.66	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	360.35	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	411.82	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	463.32	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.74	
			<i>For Shade Cloth, Add</i>	143.50	



General Requirements			01
Temporary Facilities And Controls			01 50
Temporary Barriers And Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	254.82	
For Shade Cloth, Add	33.77	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	396.39	
For Shade Cloth, Add	84.41	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	453.02	
For Shade Cloth, Add	101.30	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	509.64	
For Shade Cloth, Add	126.62	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	622.90	
For Shade Cloth, Add	168.83	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	679.52	
For Shade Cloth, Add	202.59	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	318.53	
For Shade Cloth, Add	44.55	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.49	
For Shade Cloth, Add	111.38	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
For Shade Cloth, Add	133.65	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	637.05	
For Shade Cloth, Add	167.07	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	778.62	
For Shade Cloth, Add	222.76	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	849.40	
For Shade Cloth, Add	267.31	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	232.13	
For Shade Cloth, Add	15.01	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	361.10	
For Shade Cloth, Add	37.52	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	412.68	
For Shade Cloth, Add	45.02	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	464.27	
For Shade Cloth, Add	56.28	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	567.43	
For Shade Cloth, Add	75.03	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	619.04	
For Shade Cloth, Add	90.04	
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
For Shade Cloth, Add	23.92	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
For Shade Cloth, Add	59.79	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
For Shade Cloth, Add	71.75	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
For Shade Cloth, Add	89.69	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	119.58	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
For Shade Cloth, Add	143.50	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
For Shade Cloth, Add	33.77	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
For Shade Cloth, Add	84.41	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
For Shade Cloth, Add	101.30	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
For Shade Cloth, Add	126.62	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
For Shade Cloth, Add	168.83	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
For Shade Cloth, Add	202.59	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
For Shade Cloth, Add	44.55	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
For Shade Cloth, Add	111.38	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	133.65	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
For Shade Cloth, Add	167.07	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
For Shade Cloth, Add	222.76	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
For Shade Cloth, Add	267.31	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	3.78	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.23	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	6.82	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.62	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.58	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.42	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
For Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.42	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.99	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.75	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.09	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.21	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	4.83	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.72	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	5.39	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.81	
For Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	8.79	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.32	
For Shade Cloth, Add	3.60	



General Requirements			01
Temporary Facilities And Controls			01 50
Temporary Barriers And Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag..... Note: Includes placement and removal.	5.22	
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels <small>(01 56 26 00-0001)</small> Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	2.69	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	4.03	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	5.83	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	7.18	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.70	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.84	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.95	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	91.39	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	105.44	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	130.05	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	140.60	
01 56 26 00-0174 Temporary Safety Fence <small>(01 56 26)</small> Note: Includes removal after use.		
01 56 26 00-0175 LF Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center	2.41	
01 56 29 Temporary Protective Walkways <small>(01 56)</small>		
01 56 29 00-0001 Temporary Walkways And Railings <small>(01 56 29)</small>		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway	9.55	
Note: Excludes walkway.		
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.61	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	16.43	
01 56 29 00-0005 Safety Nets <small>(01 56 29)</small>		
01 56 29 00-0006 SF Small Mesh Debris Netting	1.37	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33 Temporary Security Barriers <small>(01 56)</small>		
01 56 33 00-0001 Temporary Fiberglass Panels <small>(01 56 33)</small>		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels.....	1.39	
01 56 33 00-0003 Temporary Safety Guardrail <small>(01 56 33)</small>		
Note: Includes removal after use.		
01 56 33 00-0004 LF 42" High, Wood Temporary Safety Guardrail.....	25.01	
Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots.		
<i>For Attachment To A Concrete Substrate, Add</i>	1.13	
01 56 33 00-0005 Board-up Opening With Plywood <small>(01 56 33)</small>		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006 OPN Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	10.55	
01 56 33 00-0007 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.07	
01 56 33 00-0008 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	7.04	
01 56 33 00-0009 Street Barricade <small>(01 56 33)</small>		
01 56 33 00-0010 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	8.05	
01 56 39 Temporary Tree And Plant Protection <small>(01 56)</small>		
01 56 39 00-0001 Temporary Tree Guards <small>(01 56 39)</small>		
Note: Includes digging holes and removal.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	136.94	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	158.11	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail170.91

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 ReflectORIZED, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, ReflectORIZED, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	100.63	19.33
		<i>For High-Intensity Grade, Add</i>	21.69	
		<i>For Diamond Grade, Add</i>	41.82	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	164.36	20.21
		<i>For High-Intensity Grade, Add</i>	43.38	
		<i>For Diamond Grade, Add</i>	83.65	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	228.07	21.10
		<i>For High-Intensity Grade, Add</i>	65.06	
		<i>For Diamond Grade, Add</i>	125.48	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	291.80	21.97
		<i>For High-Intensity Grade, Add</i>	86.75	
		<i>For Diamond Grade, Add</i>	167.30	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign	9.15	0.70
		<i>For High-Intensity Grade, Add</i>	2.71	
		<i>For Diamond Grade, Add</i>	5.23	

01 58 13 00-0010 Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	122.74	19.33
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	144.56	20.21
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	178.31	21.10
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	210.23	21.97
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non ReflectORIZED, MDO Plywood Sign	6.60	0.70

01 58 13 00-0017 Full Color Design, Non-ReflectORIZED, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	125.10	19.33
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	157.32	20.21
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	191.28	21.10
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	221.35	21.97
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non ReflectORIZED, MDO Plywood Sign	6.94	0.70

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	11.48	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	9.12	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	10.57	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028 EA Install And Remove Owner Supplied Project Sign70.31

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001 Material Handling Between Floors (01 66 19)

01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor7.73
Note: Quantity equals material volume times number of floors traveled.

01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material4.64
Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.

01 66 19 00-0004 Moving Furniture (01 66 19)

Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.



General Requirements	01	10
Product Requirements	01 60	
Product Storage And Handling Requirements	01 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0005 SF Remove, Transport, Return And Reinstall Office Furniture.....0.88 Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.	0.88	
01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)		
01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125' .....3.66 Note: For delivery, demolition or miscellaneous moving required by owner.	3.66	
01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)		
Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.		
01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor .....7.03 Note: Quantity equals material volume times bulk factor times number of floors traveled.	7.03	
01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material .....4.21 Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.	4.21	
01 70 Execution And Closeout Requirements (01)		
01 71 Examination And Preparation (01 70)		
01 71 13 Mobilization (01 71)		
01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)		
Note: Excludes flagman for traffic control where necessary.		
01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....201.32 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.	201.32	
01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....402.63 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	402.63	
01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)		
Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane .....260.40 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 65.10 For >60 To 100 Miles Radius, Add 104.16	260.40	
01 71 13 00-0006 EA 20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane.....374.98 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 93.75 For >60 To 100 Miles Radius, Add 149.99	374.98	
01 71 13 00-0007 EA 40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane.....499.97 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 124.99 For >60 To 100 Miles Radius, Add 199.99	499.97	
01 71 13 00-0008 EA 70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane .....812.45 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 203.11 For >60 To 100 Miles Radius, Add 324.98	812.45	
01 71 13 00-0009 EA 75 Ton Lift Move On/Off Cost, Mechanical Crane .....641.63 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 160.41 For >60 To 100 Miles Radius, Add 256.65	641.63	
01 71 13 00-0010 EA 100 Ton Lift Move On/Off Cost, Mechanical Crane .....1,041.60 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 260.40 For >60 To 100 Miles Radius, Add 416.64	1,041.60	
01 71 13 00-0011 EA 125 Ton Lift Move On/Off Cost, Mechanical Crane .....1,291.58 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 322.90 For >60 To 100 Miles Radius, Add 516.63	1,291.58	
01 71 13 00-0012 EA 150 Ton Lift Move On/Off Cost, Mechanical Crane .....1,604.06 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 401.02 For >60 To 100 Miles Radius, Add 641.62	1,604.06	
01 71 13 00-0013 EA 250 Ton Lift Move On/Off Cost, Mechanical Crane .....2,916.48 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 729.12 For >60 To 100 Miles Radius, Add 1,166.59	2,916.48	
01 71 13 00-0014 EA 300 Ton Lift Move On/Off Cost, Mechanical Crane .....4,166.40 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 1,041.60 For >60 To 100 Miles Radius, Add 1,666.56	4,166.40	

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 71	Examination And Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0015 EA 500 Ton Lift Move On/Off Cost, Mechanical Crane.....	6,249.60	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	1,562.40	
For >60 To 100 Miles Radius, Add	2,499.84	
01 71 23 Field Engineering (01 71)		
01 71 23 16 Construction Surveying (01 71 23)		
01 71 23 16-0001 Survey Crew (01 71 23 16)		
01 71 23 16-0002 HR 2 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....	200.48	
Note: Includes surveyor, rodman, equipment and instruments.		
01 71 23 16-0003 HR 3 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....	272.44	
Note: Includes surveyor, rodman, chainman, equipment and instruments.		
01 71 23 16-0004 HR 4 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....	389.39	
Note: Includes two surveyors, rodman, chainman, equipment and instruments.		
01 71 23 16-0005 Conventional Topographic Survey (01 71 23 16)		
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0006 ACR Survey Clear Area With Few To No Obstacles.....	753.73	
01 71 23 16-0007 ACR Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	2,151.99	
01 71 23 16-0008 ACR Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,086.40	
01 71 23 16-0009 ACR Survey Developed Areas With Several Structures (25-65% Buildings).....	4,672.42	
01 71 23 16-0010 ACR Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	5,861.56	
01 71 23 16-0011 Property Lines Survey (01 71 23 16)		
Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0012 LF Survey Property Lines On Cleared Land.....	1.77	
01 71 23 16-0013 LF Survey Property Lines On Slightly Wooded Land.....	2.06	
01 71 23 16-0014 LF Survey Property Lines On Wooded Land.....	2.40	
01 71 23 16-0015 Survey Monument (01 71 23 16)		
01 71 23 16-0016 EA 3' Precast Survey Monument.....	117.58	
For Owner Furnished Monument, Deduct	-50.12	
01 71 23 16-0017 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	164.02	
01 71 23 16-0018 EA Riser Ring For Survey Monument.....	82.90	
01 71 23 16-0019 EA Adjust Survey Monument Cover To Grade.....	50.12	
01 71 23 16-0020 Facade Surveying (01 71 23 16)		
01 71 23 16-0021 LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	4.86	
01 71 23 16-0022 Utility Survey (01 71 23 16)		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0023 ACR Survey Clear Area For Underground Utilities.....	4,040.46	
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 X-Ray And Electromagnetic Survey (01 71 36)		
Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge (01 71 36 00-0001)		
01 71 36 00-0003 EA X-Ray Or Electromagnetic Survey Minimum Set-Up Charge.....	703.52	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
01 71 36 00-0004 X-Ray Survey (01 71 36 00-0001)		
01 71 36 00-0005 EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt.....	138.02	
For >8 To 25, Deduct	-31.25	
01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0007 EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	276.05	
01 71 36 00-0008 EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt.....	552.10	
01 71 36 00-0009 SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt.....	1.10	
01 74 Cleaning And Waste Management (01 70)		
01 74 13 Progress Cleaning (01 74)		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		



		General Requirements	01
		Execution And Closeout Requirements	01 70
		Cleaning And Waste Management	01 74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 13 00-0001			General (01 74 13)		
01 74 13 00-0002	CSF		Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	17.59	
01 74 13 00-0003	CY		Collect Existing Debris And Load Into Truck Or Dumpster	20.60	
Note: Per CY of debris removed.					
01 74 16			Site Maintenance (01 74)		
01 74 16 00-0001			Parking Lot, Roads And Pathway Maintenance (01 74 16)		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.					
01 74 16 00-0002			Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003	MSF		Sweep Parking Lot, With Street Sweeper.....	14.76	
01 74 16 00-0004	MSF		Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	17.71	
01 74 16 00-0005	MSF		Sweep Runway, With Street Sweep	22.14	
01 74 19			Construction Waste Management And Disposal (01 74)		
Note: Tasks in this section shall be used as directed by owner.					
01 74 19 00-0001			Debris Chutes (01 74 19)		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.					
01 74 19 00-0002			Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003	LF		18" Diameter, Steel Temporary Debris Chute.....	25.31	
01 74 19 00-0004	LF		30" Diameter, Steel Temporary Debris Chute.....	37.68	
01 74 19 00-0005			Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006	LF		24" Diameter, Plastic Temporary Debris Chute	10.00	
For Steel Liner, Add				1.89	
01 74 19 00-0007	LF		30" Diameter, Plastic Temporary Debris Chute	11.45	
For Steel Liner, Add				2.16	
01 74 19 00-0008	LF		36" Diameter, Plastic Temporary Debris Chute	12.90	
For Steel Liner, Add				2.44	
01 74 19 00-0009			Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010	LF		4' x 4', Wood Temporary Debris Chute.....	18.84	
Note: Includes fabrication and installation.					
01 74 19 00-0011			Construction Dumpsters Rental (01 74 19)		
Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.					
01 74 19 00-0012	EA		6 CY Dumpster (1 Ton) "Construction Debris".....	263.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0013	EA		10 CY Dumpster (1.5 Ton) "Construction Debris".....	391.48	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0014	EA		15 CY Dumpster (2 Ton) "Construction Debris".....	512.35	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0015	EA		20 CY Dumpster (3 Ton) "Construction Debris".....	488.50	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0016	EA		30 CY Dumpster (4 Ton) "Construction Debris".....	579.48	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0017	EA		40 CY Dumpster (5 Ton) "Construction Debris".....	630.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.					
For Each Ton Over Indicated Amount, Add				81.00	
01 74 19 00-0018	EA		10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	630.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.					
01 74 19 00-0019	EA		15 CY Low-Boy Dumpster Clean Recyclable.....	723.60	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.					
01 74 19 00-0020	EA		15 CY Low-Boy Dumpster Mixed Recyclable	777.60	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.					
01 74 19 00-0021			Concrete Washout Service (01 74 19)		
01 74 19 00-0022	MO		Rampless Concrete Washout Bin	420.40	
Note: Includes delivery.					

01	General Requirements
01 70	Execution And Closeout Requirements
01 74	Cleaning And Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0023 MO Ramped Concrete Washout Bin.....	504.48	
Note: Includes delivery.		
01 74 19 00-0024 EA Interim Vacuum Service, Concrete Washout Bin	309.84	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0025 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	671.32	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0026 Debris Processing Fee (01 74 19)		
01 74 19 00-0027 Recycler Fees (01 74 19 00-0026)		
Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0028 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load).....	209.89	
01 74 19 00-0029 TRK Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar.....	216.56	
01 74 19 00-0030 Landfill Dump Fees (01 74 19 00-0026)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0038 for hauling.		
01 74 19 00-0031 CY Traditional Building Construction Materials Landfill Dump Fee.....	19.27	
01 74 19 00-0032 CY Trees, Stumps And Brush, Landfill Dump Fee.....	23.20	
01 74 19 00-0033 CY Rubbish Landfill Dump Fee.....	18.92	
01 74 19 00-0034 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	55.33	
01 74 19 00-0035 CY Excavated Dirt Landfill Dump Fee.....	18.56	
01 74 19 00-0036 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	39.31	
01 74 19 00-0037 TON Traditional Building Construction Materials, Landfill Dump Fee.....	84.00	
01 74 19 00-0038 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0039 CYM Hauling On Paved Roads, First 15 Miles	0.89	
01 74 19 00-0040 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.67	
01 74 19 00-0041 CYM Hauling On Unimproved Roads, First 15 Miles	1.22	
01 74 19 00-0042 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.00	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Glass (01 74 23)		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	22.96	

END OF SECTION 01



Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 19 Selective Demolition ^(02 41)

02 41 19 13 Selective Building Demolition ^(02 41 19)

02 41 19 13-0001 Saw Cutting ^(02 41 19 13)

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0002	LF	Saw Cut Brick Masonry Up To 4" Depth	6.15
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.41
		<i>For >250, Deduct</i>	-0.60
02 41 19 13-0003	LF	Saw Cut Concrete Block Up To 4" Depth	5.60
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.18
		<i>For >250, Deduct</i>	-0.54
02 41 19 13-0004	LF	Saw Cut Concrete Slab Up To 4" Depth	2.03
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.75
		<i>For >250, Deduct</i>	-0.18
02 41 19 13-0005	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.66
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.99
		<i>For >250, Deduct</i>	-0.24
02 41 19 13-0006	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.25
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.62
		<i>For >250, Deduct</i>	-0.40
02 41 19 13-0007	LF	Saw Cut Plain Concrete Walls Up To 4" Depth	7.84
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.08
		<i>For >250, Deduct</i>	-0.76
02 41 19 13-0008	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	10.53
		<i>For Each Additional Pass (Depth To 3"), Add</i>	4.13
		<i>For >250, Deduct</i>	-1.03
02 41 19 13-0009	EA	Saw Cut Minimum Charge	687.19

Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0010 Torch Cutting ^(02 41 19 13)

Note: Includes grinding edge

02 41 19 13-0011	LF	Up To 1/2", Torch Cut Steel Plate.....	2.32
02 41 19 13-0012	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	4.65
02 41 19 13-0013	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	6.97
02 41 19 13-0014	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	9.30
02 41 19 13-0015	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	11.62
02 41 19 13-0016	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	13.95

02 41 19 13-0017 Drilling ^(02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0018 Concrete Core Drilling ^(02 41 19 13-0017)

02 41 19 13-0019 Up To 4" Thick Concrete Core Drilling ^(02 41 19 13-0018)

02 41 19 13-0020	EA	Drill 1" Diameter Core In Up To 4" Concrete.....	32.02
		<i>For Horizontal Cores, Add</i>	5.77
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.54
02 41 19 13-0021	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	35.21
		<i>For Horizontal Cores, Add</i>	6.41
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.81
02 41 19 13-0022	EA	Drill 2" Diameter Core In Up To 4" Concrete.....	38.78
		<i>For Horizontal Cores, Add</i>	7.12
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.24
02 41 19 13-0023	EA	Drill 3" Diameter Core In Up To 4" Concrete.....	55.12
		<i>For Horizontal Cores, Add</i>	10.17
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.34
02 41 19 13-0024	EA	Drill 4" Diameter Core In Up To 4" Concrete.....	73.89
		<i>For Horizontal Cores, Add</i>	13.63
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.26
02 41 19 13-0025	EA	Drill 6" Diameter Core In Up To 4" Concrete.....	83.52
		<i>For Horizontal Cores, Add</i>	15.26
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.51

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0026	EA		Drill 8" Diameter Core In Up To 4" Concrete.....	131.99	
			<i>For Horizontal Cores, Add</i>	24.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.83	
02 41 19 13-0027	EA		Drill 10" Diameter Core In Up To 4" Concrete.....	166.10	
			<i>For Horizontal Cores, Add</i>	30.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.03	
02 41 19 13-0028	EA		Drill 12" Diameter Core In Up To 4" Concrete.....	194.22	
			<i>For Horizontal Cores, Add</i>	35.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.20	
02 41 19 13-0029	EA		Drill 14" Diameter Core In Up To 4" Concrete.....	222.72	
			<i>For Horizontal Cores, Add</i>	40.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0030	EA		Drill 18" Diameter Core In Up To 4" Concrete.....	253.62	
			<i>For Horizontal Cores, Add</i>	45.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.53	
02 41 19 13-0031			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0018)		
02 41 19 13-0032	EA		Drill 1" Diameter Core In >4" To 6" Concrete.....	46.04	
			<i>For Horizontal Cores, Add</i>	8.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.47	
02 41 19 13-0033	EA		Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	50.62	
			<i>For Horizontal Cores, Add</i>	9.15	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.30	
02 41 19 13-0034	EA		Drill 2" Diameter Core In >4" To 6" Concrete.....	55.70	
			<i>For Horizontal Cores, Add</i>	10.17	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.34	
02 41 19 13-0035	EA		Drill 3" Diameter Core In >4" To 6" Concrete.....	67.70	
			<i>For Horizontal Cores, Add</i>	12.21	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.41	
02 41 19 13-0036	EA		Drill 4" Diameter Core In >4" To 6" Concrete.....	85.11	
			<i>For Horizontal Cores, Add</i>	15.26	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.51	
02 41 19 13-0037	EA		Drill 6" Diameter Core In >4" To 6" Concrete.....	112.70	
			<i>For Horizontal Cores, Add</i>	20.34	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.68	
02 41 19 13-0038	EA		Drill 8" Diameter Core In >4" To 6" Concrete.....	167.58	
			<i>For Horizontal Cores, Add</i>	30.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.03	
02 41 19 13-0039	EA		Drill 10" Diameter Core In >4" To 6" Concrete.....	198.24	
			<i>For Horizontal Cores, Add</i>	35.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.20	
02 41 19 13-0040	EA		Drill 12" Diameter Core In >4" To 6" Concrete.....	227.67	
			<i>For Horizontal Cores, Add</i>	40.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0041	EA		Drill 14" Diameter Core In >4" To 6" Concrete.....	258.31	
			<i>For Horizontal Cores, Add</i>	45.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.53	
02 41 19 13-0042	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	292.46	
			<i>For Horizontal Cores, Add</i>	50.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.71	
02 41 19 13-0043			>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0018)		
02 41 19 13-0044	EA		Drill 1" Diameter Core In >6" To 8" Concrete.....	51.92	
			<i>For Horizontal Cores, Add</i>	9.06	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.12	
02 41 19 13-0045	EA		Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	56.95	
			<i>For Horizontal Cores, Add</i>	10.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.14	
02 41 19 13-0046	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	62.56	
			<i>For Horizontal Cores, Add</i>	11.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.38	
02 41 19 13-0047	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	75.21	
			<i>For Horizontal Cores, Add</i>	13.22	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.45	
02 41 19 13-0048	EA		Drill 4" Diameter Core In >6" To 8" Concrete.....	98.36	
			<i>For Horizontal Cores, Add</i>	17.29	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.58	
02 41 19 13-0049	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	136.81	
			<i>For Horizontal Cores, Add</i>	24.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.83	
02 41 19 13-0050	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	223.52	
			<i>For Horizontal Cores, Add</i>	40.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0051	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	255.76	
			<i>For Horizontal Cores, Add</i>	45.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.53	
02 41 19 13-0052	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	286.56	
			<i>For Horizontal Cores, Add</i>	50.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.71	
02 41 19 13-0053	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	319.31	
			<i>For Horizontal Cores, Add</i>	55.93	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0054 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	356.73	
<i>For Horizontal Cores, Add</i>	61.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.06	
02 41 19 13-0055 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0018)		
02 41 19 13-0056 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	61.90	
<i>For Horizontal Cores, Add</i>	10.71	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.42	
02 41 19 13-0057 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	67.85	
<i>For Horizontal Cores, Add</i>	11.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.80	
02 41 19 13-0058 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	74.46	
<i>For Horizontal Cores, Add</i>	13.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.44	
02 41 19 13-0059 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	87.78	
<i>For Horizontal Cores, Add</i>	15.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.51	
02 41 19 13-0060 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	101.44	
<i>For Horizontal Cores, Add</i>	17.29	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.58	
02 41 19 13-0061 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	140.56	
<i>For Horizontal Cores, Add</i>	24.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.83	
02 41 19 13-0062 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	228.61	
<i>For Horizontal Cores, Add</i>	40.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0063 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	262.46	
<i>For Horizontal Cores, Add</i>	45.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.53	
02 41 19 13-0064 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	294.55	
<i>For Horizontal Cores, Add</i>	50.84	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.69	
02 41 19 13-0065 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	329.50	
<i>For Horizontal Cores, Add</i>	55.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	111.86	
02 41 19 13-0066 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	370.06	
<i>For Horizontal Cores, Add</i>	61.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.03	
02 41 19 13-0067 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0018)		
02 41 19 13-0068 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	67.77	
<i>For Horizontal Cores, Add</i>	11.54	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.07	
02 41 19 13-0069 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	74.18	
<i>For Horizontal Cores, Add</i>	12.82	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.64	
02 41 19 13-0070 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	81.29	
<i>For Horizontal Cores, Add</i>	14.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.48	
02 41 19 13-0071 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	90.19	
<i>For Horizontal Cores, Add</i>	15.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.51	
02 41 19 13-0072 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	119.79	
<i>For Horizontal Cores, Add</i>	20.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.68	
02 41 19 13-0073 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	154.48	
<i>For Horizontal Cores, Add</i>	26.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.90	
02 41 19 13-0074 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	243.87	
<i>For Horizontal Cores, Add</i>	42.72	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	85.44	
02 41 19 13-0075 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	269.16	
<i>For Horizontal Cores, Add</i>	45.77	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.53	
02 41 19 13-0076 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	312.84	
<i>For Horizontal Cores, Add</i>	52.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	105.79	
02 41 19 13-0077 >12" Thick Concrete Core Drilling (02 41 19 13-0018)		
02 41 19 13-0078 IN Drill 1" Diameter Core In >12" Concrete.....	7.89	
<i>For Horizontal Cores, Add</i>	1.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.82	
02 41 19 13-0079 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	8.67	
<i>For Horizontal Cores, Add</i>	1.57	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.13	
02 41 19 13-0080 IN Drill 2" Diameter Core In >12" Concrete.....	9.54	
<i>For Horizontal Cores, Add</i>	1.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.48	
02 41 19 13-0081 IN Drill 3" Diameter Core In >12" Concrete.....	10.69	
<i>For Horizontal Cores, Add</i>	1.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.81	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0082 IN Drill 4" Diameter Core In >12" Concrete	14.22	
For Horizontal Cores, Add	2.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.08	
02 41 19 13-0083 IN Drill 6" Diameter Core In >12" Concrete	18.38	
For Horizontal Cores, Add	3.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.61	
02 41 19 13-0084 IN Drill 8" Diameter Core In >12" Concrete	29.24	
For Horizontal Cores, Add	5.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.69	
02 41 19 13-0085 IN Drill 10" Diameter Core In >12" Concrete	32.09	
For Horizontal Cores, Add	5.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.49	
02 41 19 13-0086 IN Drill 12" Diameter Core In >12" Concrete	37.11	
For Horizontal Cores, Add	6.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.23	
02 41 19 13-0087 Brick/Concrete Block Core Drilling (02 41 19 13-0017)		
02 41 19 13-0088 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0087)		
02 41 19 13-0089 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	26.25	
For Horizontal Cores, Add	4.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.23	
02 41 19 13-0090 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	28.80	
For Horizontal Cores, Add	5.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.25	
02 41 19 13-0091 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	31.66	
For Horizontal Cores, Add	5.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.39	
02 41 19 13-0092 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	44.94	
For Horizontal Cores, Add	8.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.27	
02 41 19 13-0093 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	60.27	
For Horizontal Cores, Add	10.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.81	
02 41 19 13-0094 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	68.27	
For Horizontal Cores, Add	12.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.41	
02 41 19 13-0095 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	107.57	
For Horizontal Cores, Add	19.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.06	
02 41 19 13-0096 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	135.59	
For Horizontal Cores, Add	24.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.82	
02 41 19 13-0097 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	158.61	
For Horizontal Cores, Add	28.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.96	
02 41 19 13-0098 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	182.03	
For Horizontal Cores, Add	32.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.09	
02 41 19 13-0099 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	207.85	
For Horizontal Cores, Add	36.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.22	
02 41 19 13-0100 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0087)		
02 41 19 13-0101 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	37.81	
For Horizontal Cores, Add	6.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.18	
02 41 19 13-0102 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	41.47	
For Horizontal Cores, Add	7.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.64	
02 41 19 13-0103 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	45.54	
For Horizontal Cores, Add	8.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.27	
02 41 19 13-0104 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	55.49	
For Horizontal Cores, Add	9.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.53	
02 41 19 13-0105 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	69.86	
For Horizontal Cores, Add	12.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.41	
02 41 19 13-0106 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	92.36	
For Horizontal Cores, Add	16.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.55	
02 41 19 13-0107 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	137.07	
For Horizontal Cores, Add	24.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.82	
02 41 19 13-0108 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	162.63	
For Horizontal Cores, Add	28.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.96	
02 41 19 13-0109 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	186.98	
For Horizontal Cores, Add	32.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	65.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0110 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	212.54	
<i>For Horizontal Cores, Add</i>	36.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.22	
02 41 19 13-0111 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	241.61	
<i>For Horizontal Cores, Add</i>	40.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0112 >6" To 8" Thick Brick/Concrete Block Core Drilling <small>(02 41 19 13-0087)</small>		
02 41 19 13-0113 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	42.86	
<i>For Horizontal Cores, Add</i>	7.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.50	
02 41 19 13-0114 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	46.89	
<i>For Horizontal Cores, Add</i>	8.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.11	
02 41 19 13-0115 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	51.36	
<i>For Horizontal Cores, Add</i>	8.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.90	
02 41 19 13-0116 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	61.98	
<i>For Horizontal Cores, Add</i>	10.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.16	
02 41 19 13-0117 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	81.08	
<i>For Horizontal Cores, Add</i>	13.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.67	
02 41 19 13-0118 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	112.39	
<i>For Horizontal Cores, Add</i>	19.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.06	
02 41 19 13-0119 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	182.83	
<i>For Horizontal Cores, Add</i>	32.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.09	
02 41 19 13-0120 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	209.99	
<i>For Horizontal Cores, Add</i>	36.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.22	
02 41 19 13-0121 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	235.71	
<i>For Horizontal Cores, Add</i>	40.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.37	
02 41 19 13-0122 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	263.39	
<i>For Horizontal Cores, Add</i>	44.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.49	
02 41 19 13-0123 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	295.70	
<i>For Horizontal Cores, Add</i>	48.82	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	97.64	
02 41 19 13-0124 >8" To 10" Thick Brick/Concrete Block Core Drilling <small>(02 41 19 13-0087)</small>		
02 41 19 13-0125 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	51.19	
<i>For Horizontal Cores, Add</i>	8.57	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.14	
02 41 19 13-0126 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	55.95	
<i>For Horizontal Cores, Add</i>	9.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.04	
02 41 19 13-0127 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	61.24	
<i>For Horizontal Cores, Add</i>	10.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.16	
02 41 19 13-0128 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	72.53	
<i>For Horizontal Cores, Add</i>	12.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.41	
02 41 19 13-0129 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	84.16	
<i>For Horizontal Cores, Add</i>	13.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.67	
02 41 19 13-0130 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	116.14	
<i>For Horizontal Cores, Add</i>	19.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.06	
02 41 19 13-0131 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	187.92	
<i>For Horizontal Cores, Add</i>	32.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.09	
02 41 19 13-0132 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	216.69	
<i>For Horizontal Cores, Add</i>	36.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.22	
02 41 19 13-0133 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	243.71	
<i>For Horizontal Cores, Add</i>	40.68	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	81.35	
02 41 19 13-0134 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	273.58	
<i>For Horizontal Cores, Add</i>	44.75	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.49	
02 41 19 13-0135 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	309.04	
<i>For Horizontal Cores, Add</i>	48.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	97.62	
02 41 19 13-0136 >10" To 12" Thick Brick/Concrete Block Core Drilling <small>(02 41 19 13-0087)</small>		
02 41 19 13-0137 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	56.23	
<i>For Horizontal Cores, Add</i>	9.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.46	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0138 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	61.36	
For Horizontal Cores, Add	10.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.51	
02 41 19 13-0139 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	67.05	
For Horizontal Cores, Add	11.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.78	
02 41 19 13-0140 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	74.94	
For Horizontal Cores, Add	12.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.41	
02 41 19 13-0141 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	99.45	
For Horizontal Cores, Add	16.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.55	
02 41 19 13-0142 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	128.03	
For Horizontal Cores, Add	21.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.32	
02 41 19 13-0143 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	201.16	
For Horizontal Cores, Add	34.18	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	68.35	
02 41 19 13-0144 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	223.39	
For Horizontal Cores, Add	36.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	73.22	
02 41 19 13-0145 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	259.95	
For Horizontal Cores, Add	42.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	84.63	
02 41 19 13-0146 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0087)		
02 41 19 13-0147 IN Drill 1" Diameter Core In >12" Brick/Concrete Block.....	6.48	
For Horizontal Cores, Add	1.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.26	
02 41 19 13-0148 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block.....	7.10	
For Horizontal Cores, Add	1.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.50	
02 41 19 13-0149 IN Drill 2" Diameter Core In >12" Brick/Concrete Block.....	7.81	
For Horizontal Cores, Add	1.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.79	
02 41 19 13-0150 IN Drill 3" Diameter Core In >12" Brick/Concrete Block.....	8.79	
For Horizontal Cores, Add	1.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.05	
02 41 19 13-0151 IN Drill 4" Diameter Core In >12" Brick/Concrete Block.....	11.67	
For Horizontal Cores, Add	2.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.06	
02 41 19 13-0152 IN Drill 6" Diameter Core In >12" Brick/Concrete Block.....	15.08	
For Horizontal Cores, Add	2.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.29	
02 41 19 13-0153 IN Drill 8" Diameter Core In >12" Brick/Concrete Block.....	23.90	
For Horizontal Cores, Add	4.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.55	
02 41 19 13-0154 IN Drill 10" Diameter Core In >12" Brick/Concrete Block.....	26.34	
For Horizontal Cores, Add	4.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.19	
02 41 19 13-0155 IN Drill 12" Diameter Core In >12" Brick/Concrete Block.....	30.49	
For Horizontal Cores, Add	5.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.58	
02 41 19 13-0156 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0017)		
Note: Includes layout.		
02 41 19 13-0157 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.85	
02 41 19 13-0158 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.94	
02 41 19 13-0159 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.09	
02 41 19 13-0160 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.22	
02 41 19 13-0161 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.43	
02 41 19 13-0162 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.64	
02 41 19 13-0163 IN 1" Diameter Drilling In Concrete Per Inch Of Depth	2.78	
02 41 19 13-0164 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.07	
02 41 19 13-0165 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.48	
02 41 19 13-0166 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0017)		
Note: Includes layout.		
02 41 19 13-0167 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.55	
02 41 19 13-0168 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.64	
02 41 19 13-0169 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.75	
02 41 19 13-0170 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.86	
02 41 19 13-0171 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.05	
02 41 19 13-0172 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22	
02 41 19 13-0173 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.33	
02 41 19 13-0174 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.58	
02 41 19 13-0175 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.91	
02 41 19 13-0176 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0017)		
Note: Includes layout.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0177 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.76	
02 41 19 13-0178 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.80	
02 41 19 13-0179 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.85	
02 41 19 13-0180 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.91	
02 41 19 13-0181 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.99	
02 41 19 13-0182 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	
02 41 19 13-0183 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.15	
02 41 19 13-0184 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.26	
02 41 19 13-0185 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.42	
02 41 19 13-0186 Minimum Charge For Core Drilling (02 41 19 13-0017)		
02 41 19 13-0187 EA Core Drill Minimum Charge.....	556.70	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0188 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0189 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0188)		
02 41 19 13-0190 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	39.56	
02 41 19 13-0191 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	41.95	
02 41 19 13-0192 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	44.35	
02 41 19 13-0193 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.75	
02 41 19 13-0194 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	47.95	
02 41 19 13-0195 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0188)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0196 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	48.20	
02 41 19 13-0197 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	51.13	
02 41 19 13-0198 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	54.05	
02 41 19 13-0199 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.97	
02 41 19 13-0200 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	58.43	
02 41 19 13-0201 Reinforced Concrete Wall Cutouts (02 41 19 13-0188)		
02 41 19 13-0202 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	49.44	
02 41 19 13-0203 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	52.44	
02 41 19 13-0204 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	55.44	
02 41 19 13-0205 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	58.43	
02 41 19 13-0206 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	59.93	
02 41 19 13-0207 Brick Wall Cutouts (02 41 19 13-0188)		
Note: Excludes toothing.		
02 41 19 13-0208 SF 4" Thick Brick Wall Cutouts, <24 SF	14.98	
02 41 19 13-0209 SF 6" Thick Brick Wall Cutouts, <24 SF	24.72	
02 41 19 13-0210 SF 8" Thick Brick Wall Cutouts, <24 SF	34.43	
02 41 19 13-0211 SF 10" Thick Brick Wall Cutouts, <24 SF	41.95	
02 41 19 13-0212 SF 12" Thick Brick Wall Cutouts, <24 SF	50.19	
02 41 19 13-0213 SF 16" Thick Brick Wall Cutouts, <24 SF	59.18	
02 41 19 13-0214 Concrete Block Wall Cutouts (02 41 19 13-0188)		
Note: Excludes toothing.		
02 41 19 13-0215 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	24.79	
02 41 19 13-0216 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	26.25	
02 41 19 13-0217 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	27.71	
02 41 19 13-0218 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	29.21	
02 41 19 13-0219 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	29.97	
02 41 19 13-0220 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	31.47	
02 41 19 13-0221 Limestone Cutouts (02 41 19 13-0188)		
02 41 19 13-0222 SF 2" Thick Limestone Cutouts, <24 SF	41.95	
02 41 19 13-0223 SF 4" Thick Limestone Cutouts, <24 SF	50.94	
02 41 19 13-0224 SF 6" Thick Limestone Cutouts, <24 SF	53.93	
02 41 19 13-0225 SF 8" Thick Limestone Cutouts, <24 SF	56.94	
02 41 19 13-0226 SF 10" Thick Limestone Cutouts, <24 SF	59.93	
02 41 19 13-0227 SF 12" Thick Limestone Cutouts, <24 SF	62.92	
02 41 19 13-0228 Toothing Masonry Cutouts (02 41 19 13-0188)		
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0229 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts.....	14.98	
02 41 19 13-0230 VLF Brick, Hard Mortar, Toothing Masonry Cutouts.....	20.22	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0231 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.99	
02 41 19 13-0232 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts.....	11.98	
02 41 19 13-0233 Minimum Charge For Cutouts (02 41 19 13-0188) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0234 EA Cutouts Minimum Charge	299.65	
02 41 19 13-0235 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0236 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0235)		
02 41 19 13-0237 VLF 8" x 8" Masonry Column Removal	11.78	
02 41 19 13-0238 VLF 10" x 10" Masonry Column Removal	18.40	
02 41 19 13-0239 VLF 12" x 12" Masonry Column Removal	23.58	
02 41 19 13-0240 VLF 14" x 14" Masonry Column Removal	29.52	
02 41 19 13-0241 VLF 16" x 16" Masonry Column Removal	36.26	
02 41 19 13-0242 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	20.36	
02 41 19 13-0243 Masonry Chimney Removal (02 41 19 13-0235)		
02 41 19 13-0244 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	23.89	
02 41 19 13-0245 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	17.93	
02 41 19 13-0246 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	13.72	
02 41 19 13-0247 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.51	
02 41 19 13-0248 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0235) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0249 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	14.54	
02 41 19 13-0250 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	21.89	
02 41 19 13-0251 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	42.12	
02 41 19 13-0252 Facade Removal (02 41 19 13-0235) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0253 SF Stone Or Brick Veneer Facade Removal	4.48	
<i>For Cleaning and Storage For Reuse, Add</i>	3.36	
02 41 19 13-0254 Exterior Masonry Removal (02 41 19 13-0235) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0255 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....	3.94	
02 41 19 13-0256 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.45	
02 41 19 13-0257 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....	5.38	
02 41 19 13-0258 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	5.88	
02 41 19 13-0259 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....	6.46	
02 41 19 13-0260 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	8.08	
02 41 19 13-0261 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall	4.67	
02 41 19 13-0262 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall	5.33	
02 41 19 13-0263 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall	6.46	
02 41 19 13-0264 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall	7.06	
02 41 19 13-0265 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall	7.75	
02 41 19 13-0266 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall	9.69	
02 41 19 13-0267 SF Demolish 4" Thick Brick Exterior Wall.....	3.94	
<i>For Cleaning and Storage For Reuse, Add</i>	2.96	
02 41 19 13-0268 SF Demolish 6" Thick Brick Exterior Wall.....	4.45	
<i>For Cleaning and Storage For Reuse, Add</i>	3.34	
02 41 19 13-0269 SF Demolish 8" Thick Brick Exterior Wall	5.38	
<i>For Cleaning and Storage For Reuse, Add</i>	4.04	
02 41 19 13-0270 SF Demolish 10" Thick Brick Exterior Wall.....	5.88	
<i>For Cleaning and Storage For Reuse, Add</i>	4.41	
02 41 19 13-0271 SF Demolish 12" Thick Brick Exterior Wall.....	6.46	
<i>For Cleaning and Storage For Reuse, Add</i>	4.85	
02 41 19 13-0272 SF Demolish 16" Thick Brick Exterior Wall.....	8.08	
<i>For Cleaning and Storage For Reuse, Add</i>	6.06	
02 41 19 13-0273 CF Exterior Brick, Concrete Block Or Composite Removal	11.47	
<i>For Cleaning and Storage For Reuse, Add</i>	8.60	
02 41 19 13-0274 Exterior Concrete Wall Removal (02 41 19 13)		
02 41 19 13-0275 SF Demolish 4" Thick Reinforced Concrete Exterior Wall	4.95	
02 41 19 13-0276 SF Demolish 6" Thick Reinforced Concrete Exterior Wall	8.99	
02 41 19 13-0277 SF Demolish 8" Thick Reinforced Concrete Exterior Wall	11.30	



		Existing Conditions	02
		Demolition And Structure Moving	02 40
		Demolition	02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0278 SF Demolish 10" Thick Reinforced Concrete Exterior Wall	13.33	
02 41 19 13-0279 SF Demolish 12" Thick Reinforced Concrete Exterior Wall	15.76	
02 41 19 13-0280 Roofing Removal (02 41 19 13)		
02 41 19 13-0281 Clay Tile Roof Remove And Salvage For Re-use (02 41 19 13-0280) Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 13-0282 SQ Remove Clay Roof Tile, Salvage For Re-use	234.13	
02 41 19 13-0283 Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0284 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced	10.04	
02 41 19 16 Selective Interior Demolition (02 41 19) Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Remove And Salvage For Re-Use (02 41 19 16-0001) Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 16-0003 SF Remove Brick Flooring And Salvage	2.13	
02 41 19 16-0004 SF Remove Ceramic/Quarry Tile Floor And Salvage	2.13	
02 41 19 16-0005 SF Remove Terrazzo Flooring And Salvage	2.95	
02 41 19 16-0006 SF Remove Wood Strip Flooring And Salvage	1.73	
02 41 19 16-0007 SF Remove Wood Parquet Flooring And Salvage	0.91	
02 41 19 16-0008 SF Remove Resilient/Linoleum Flooring And Salvage	0.65	
02 41 19 16-0009 Scarify Concrete (02 41 19 16-0001) Note: Up to 1/4" removal per pass.		
02 41 19 16-0010 SF Scarify Concrete Floor	0.23	
02 41 19 16-0011 SF Scarify Concrete Tread And Riser	1.95	
02 41 19 16-0012 SF Scarify Concrete Wall	1.78	
02 41 19 16-0013 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0014 SF Remove Fireproofing From Concrete Or Steel	1.00	
02 41 19 16-0015 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0016 SF Demolish Drywall Ceiling	0.77	
02 41 19 16-0017 SF Demolish Furred Plastered Ceiling	1.80	
02 41 19 16-0018 SF Demolish Suspended Plastered Ceiling And Suspension System	1.37	
02 41 19 16-0019 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0020 CF Demolish Interior Reinforced Concrete Stairs	6.46	
02 41 19 16-0021 CF Demolish Exterior Reinforced Concrete Stairs	5.17	
02 41 19 16-0022 Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0023 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0022) Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0025 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.19	
02 41 19 16-0026 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.46	
02 41 19 16-0027 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	5.04	
02 41 19 16-0028 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.47	
02 41 19 16-0029 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	8.08	
02 41 19 16-0030 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	5.02	
02 41 19 16-0031 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.36	
02 41 19 16-0032 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	6.05	
02 41 19 16-0033 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.76	
02 41 19 16-0034 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.69	
02 41 19 16-0035 Demolish Brick Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0036 SF Demolish 4" Thick Brick Interior Partition/Wall	4.19	
02 41 19 16-0037 SF Demolish 8" Thick Brick Interior Partition/Wall	5.04	
02 41 19 16-0038 SF Demolish 12" Thick Brick Interior Partition/Wall	6.46	
02 41 19 16-0039 SF Demolish 16" Thick Brick Interior Partition/Wall	8.08	
02 41 19 16-0040 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0041 SF Demolish Glass Block Interior Partition/Walls	3.58	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 16-0042	Demolish Concrete Interior Partition/Walls <small>(02 41 19 16-0023)</small>	
02 41 19 16-0043	SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	7.60
02 41 19 16-0044	SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	9.51
02 41 19 16-0045	SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	13.30
02 41 19 16-0046	SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	9.13
02 41 19 16-0047	SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	11.47
02 41 19 16-0048	SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	15.97
02 41 19 16-0049	Demolish Terra-Cotta Block Interior Partition/Walls <small>(02 41 19 16-0023)</small>	
02 41 19 16-0050	SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	1.43
02 41 19 16-0051	Demolish Stud Framed Interior Partition/Walls <small>(02 41 19 16-0022)</small>	
	Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.	
02 41 19 16-0052	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	2.54
	For Heights >14' To 20', Add	0.38
	For Heights >20', Add	0.51
02 41 19 16-0053	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	2.96
	For Heights >14' To 20', Add	0.44
	For Heights >20', Add	0.59
02 41 19 16-0054	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	3.25
	For Heights >14' To 20', Add	0.49
	For Heights >20', Add	0.65
02 41 19 16-0055	SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	4.52
	For Heights >14' To 20', Add	0.68
	For Heights >20', Add	0.90
02 41 19 16-0056	SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.34
	For Heights >14' To 20', Add	0.20
	For Heights >20', Add	0.27
02 41 19 16-0057	SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	1.59
	For Heights >14' To 20', Add	0.24
	For Heights >20', Add	0.32

02 80 Facility Remediation (02)

02 81 Transportation And Disposal Of Hazardous Materials (02 80)

02 81 00 00-0001 Hazardous Material Disposal (02 81)

02 81 00 00-0002	GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container.....	8.32
	Note: Includes handling of container and disposal at approved site.	
02 81 00 00-0003	CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site.....	56.22
	Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)

	Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR Bulk Sampling Or Air Monitoring, Asbestos Testing.....	61.88
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	30.50
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	35.76
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing.....	56.79
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	97.81
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing.....	118.84
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	24.19
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	29.45
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	39.96
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test.....	30.50
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test.....	35.76
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test.....	56.79
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing.....	97.81
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	112.53
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	156.70



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-001	Asbestos Encapsulation (Lock-Down) (02 82 16)	
02 82 16 00-0002	SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.09
02 82 16 00-0003	SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.57
02 82 16 00-0004	SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.49
02 82 16 00-0005	SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	1.71
02 82 16 00-0006	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	4.78
02 82 16 00-0007	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	5.33

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

02 82 33 00-001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	

02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	513.43
	For Work In Restricted Working Space, Add	154.03
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.25
	For Work In Restricted Working Space, Add	7.88
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.69
	For Work In Restricted Working Space, Add	5.91
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.77
	For Work In Restricted Working Space, Add	4.43
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	11.08
	For Work In Restricted Working Space, Add	3.32
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.64
	For Work In Restricted Working Space, Add	2.89

02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	513.43
	For Work In Restricted Working Space, Add	154.03
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	30.19
	For Work In Restricted Working Space, Add	9.06
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.64
	For Work In Restricted Working Space, Add	6.79
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.98
	For Work In Restricted Working Space, Add	5.09
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.73
	For Work In Restricted Working Space, Add	3.82
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.08
	For Work In Restricted Working Space, Add	3.32

02 82 33 00-0017	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	
02 82 33 00-0018	EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	556.90
	For Work In Restricted Working Space, Add	167.07
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation.....	82.51
	For Work In Restricted Working Space, Add	24.75
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation	32.03
	For Work In Restricted Working Space, Add	9.61
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation	24.01
	For Work In Restricted Working Space, Add	7.20
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work for Pipe Insulation	18.01
	For Work In Restricted Working Space, Add	5.40

02 82 33 00-0023	Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0024	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023)	
	Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0025	EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	513.43
02 82 33 00-0026	SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.25
02 82 33 00-0027	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	20.68
02 82 33 00-0028	SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.51
02 82 33 00-0029	SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	11.63

02 82 33 00-0030	Surfacing Material, Asbestos Abatement And Disposal (02 82 33)	
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02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0031	Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030)		
	Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0032	EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0033	SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	31.50	
02 82 33 00-0034	SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.62	
02 82 33 00-0035	SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.71	
02 82 33 00-0036	SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.28	
02 82 33 00-0037	Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030)		
	Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0038	EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0039	SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.15	
02 82 33 00-0040	SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.95	
02 82 33 00-0041	SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.38	
02 82 33 00-0042	SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.45	
02 82 33 00-0043	Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0044	EA Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0045	SF >10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	10.11	
02 82 33 00-0046	SF >500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	7.38	
02 82 33 00-0047	SF >2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	5.78	
02 82 33 00-0048	SF >10,000 To 50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	4.50	
02 82 33 00-0049	SF >50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	3.21	
02 82 33 00-0050	Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0051	EA Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0052	SF >10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	19.19	
02 82 33 00-0053	SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.06	
02 82 33 00-0054	SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.97	
02 82 33 00-0055	SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.54	
02 82 33 00-0056	SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	6.10	
02 82 33 00-0057	Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0058	EA Up To 10 SF, Stucco, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0059	SF >10 To 500 SF, Stucco, Asbestos Abatement And Disposal	22.32	
02 82 33 00-0060	SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	16.74	
02 82 33 00-0061	SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	12.55	
02 82 33 00-0062	SF >10,000 SF, Stucco, Asbestos Abatement And Disposal	9.41	
02 82 33 00-0063	Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0064	EA Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0065	SF >10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.56	
02 82 33 00-0066	SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.42	
02 82 33 00-0067	SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.82	
02 82 33 00-0068	SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	3.60	
02 82 33 00-0069	Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0070	EA Up To 10 SF, Plywood, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0071	SF >10 To 500 SF, Plywood, Asbestos Abatement And Disposal	10.91	
02 82 33 00-0072	SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.25	
02 82 33 00-0073	SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.55	
02 82 33 00-0074	SF >10,000 SF, Plywood, Asbestos Abatement And Disposal	3.01	
02 82 33 00-0075	Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0076	Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0075)		
02 82 33 00-0077	Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0076)		
	Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0078	EA Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0079	SF >10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	5.25	
	For Each Additional Layer, Add	1.31	
02 82 33 00-0080	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	4.27	
	For Each Additional Layer, Add	1.07	



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0081 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.37	
<i>For Each Additional Layer, Add</i>	<i>0.84</i>	
02 82 33 00-0082 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	2.28	
<i>For Each Additional Layer, Add</i>	<i>0.57</i>	
02 82 33 00-0083 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0076)		
02 82 33 00-0084 EA Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0085 SF >10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	4.06	
02 82 33 00-0086 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.25	
02 82 33 00-0087 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.33	
02 82 33 00-0088 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.73	
02 82 33 00-0089 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0076)		
Note: Up to 12'.		
02 82 33 00-0090 EA Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	192.54	
02 82 33 00-0091 LF >10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.42	
02 82 33 00-0092 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.05	
02 82 33 00-0093 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.28	
02 82 33 00-0094 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.90	
02 82 33 00-0095 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0075)		
Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0096 EA Up To 10 SF, Mastic, Asbestos Abatement And Disposal.....	513.43	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0097 SF >10 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	1.31	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0098 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	0.97	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0099 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.74	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0100 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.59	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0101 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0075)		
Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0102 EA Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0103 SF >10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.07	
02 82 33 00-0104 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.43	
02 82 33 00-0105 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.46	
02 82 33 00-0106 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.70	
02 82 33 00-0107 Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0108 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0107)		
Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0109 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0108)		
02 82 33 00-0110 EA Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0111 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.10	
02 82 33 00-0112 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.28	
02 82 33 00-0113 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.62	
02 82 33 00-0114 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.97	
02 82 33 00-0115 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.47	
02 82 33 00-0116 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0108)		
02 82 33 00-0117 EA Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0118 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.67	
02 82 33 00-0119 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.72	
02 82 33 00-0120 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.00	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0121 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.25	
02 82 33 00-0122 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1.68	
02 82 33 00-0123 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0108)		
02 82 33 00-0124 EA Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0125 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.18	
02 82 33 00-0126 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.13	
02 82 33 00-0127 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.33	
02 82 33 00-0128 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.50	
02 82 33 00-0129 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.87	
02 82 33 00-0130 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0107)		
02 82 33 00-0131 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0130)		
02 82 33 00-0132 EA Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	513.43	
Note: Single or first of multiple layers.		
02 82 33 00-0133 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	4.11	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	1.03	
02 82 33 00-0134 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.28	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.82	
02 82 33 00-0135 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.62	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.66	
02 82 33 00-0136 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.97	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.49	
02 82 33 00-0137 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.47	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.37	
02 82 33 00-0138 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0107)		
02 82 33 00-0139 EA Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	128.36	
02 82 33 00-0140 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.60	
02 82 33 00-0141 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.31	
02 82 33 00-0142 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.05	
02 82 33 00-0143 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	0.77	
02 82 33 00-0144 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0107)		
02 82 33 00-0145 EA Up To 10 SF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	128.36	
02 82 33 00-0146 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.82	
02 82 33 00-0147 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.85	
02 82 33 00-0148 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	3.21	
02 82 33 00-0149 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.31	
02 82 33 00-0150 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0151 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0150)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0152 EA Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	513.43	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0153 SF >10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	5.25	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0154 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.62	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0155 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.10	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0156 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.83	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0157 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0150)		
02 82 33 00-0158 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	513.43	
02 82 33 00-0159 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.56	
02 82 33 00-0160 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.33	
02 82 33 00-0161 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.87	
02 82 33 00-0162 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.62	
02 82 33 00-0163 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0150)		



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0164 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0165 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.25	
02 82 33 00-0166 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.69	
02 82 33 00-0167 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.77	
02 82 33 00-0168 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	11.08	
02 82 33 00-0169 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.30	
02 82 33 00-0170 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	8.11	
02 82 33 00-0171 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0150)		
02 82 33 00-0172 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	513.43	
02 82 33 00-0173 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.11	
02 82 33 00-0174 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.28	
02 82 33 00-0175 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.62	
02 82 33 00-0176 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1.97	
02 82 33 00-0177 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1.47	
02 82 33 00-0178 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0179 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0178)		
02 82 33 00-0180 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	513.43 154.03	
02 82 33 00-0181 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	51.06 15.32	
02 82 33 00-0182 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	34.03 10.21	
02 82 33 00-0183 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	25.57 7.67	
02 82 33 00-0184 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.42 6.13	
02 82 33 00-0185 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.36 5.21	
02 82 33 00-0186 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.62 4.69	
02 82 33 00-0187 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 33 00-0178)		
02 82 33 00-0188 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	770.15 231.05	
02 82 33 00-0189 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	51.06 15.32	
02 82 33 00-0190 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	34.03 10.21	
02 82 33 00-0191 CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	25.57	
02 82 33 00-0192 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.42 6.13	
02 82 33 00-0193 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.36 5.21	
02 82 33 00-0194 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.62 4.69	
02 82 33 00-0195 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0178)		
02 82 33 00-0196 EA Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	513.43	
02 82 33 00-0197 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.95	
02 82 33 00-0198 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.63	
02 82 33 00-0199 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	23.01	
02 82 33 00-0200 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	18.38	
02 82 33 00-0201 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.62	
02 82 33 00-0202 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	14.06	
02 82 33 00-0203 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0204 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0203)		
02 82 33 00-0205 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	102.68	
02 82 33 00-0206 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	39.39	
02 82 33 00-0207 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	26.25	
02 82 33 00-0208 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0203)		
02 82 33 00-0209 EA Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	256.72	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 82 33 00-0210	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.25	
	02 82 33 00-0211	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.94	
	02 82 33 00-0212	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.39	
	02 82 33 00-0213	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.91	
	02 82 33 00-0214	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.50	
	02 82 33 00-0215	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.15	
	02 82 33 00-0216		Grout, Asbestos Abatement And Disposal (02 82 33 00-0203)		
			Note: e.g. flue grout.		
	02 82 33 00-0217	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal	192.54	
	02 82 33 00-0218	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	10.11	
	02 82 33 00-0219	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	6.96	
	02 82 33 00-0220	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	5.96	
	02 82 33 00-0221	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	5.12	
	02 82 33 00-0222	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	4.41	
	02 82 33 00-0223	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	3.79	
	02 82 33 00-0224		Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0203)		
			Note: e.g. rope, web cloth, flat.		
	02 82 33 00-0225	EA	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	192.54	
	02 82 33 00-0226	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.62	
	02 82 33 00-0227	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.21	
	02 82 33 00-0228	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.70	
	02 82 33 00-0229	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.83	
	02 82 33 00-0230	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	7.03	
	02 82 33 00-0231	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	6.69	
	02 82 33 00-0232		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0203)		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
	02 82 33 00-0233	EA	Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	513.43	
	02 82 33 00-0234	SF	>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	10.91	
	02 82 33 00-0235	SF	>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	5.25	
	02 82 33 00-0236	SF	>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.55	
	02 82 33 00-0237	SF	>10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	3.01	
	02 82 33 00-0238		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0203)		
			Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
	02 82 33 00-0239	EA	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	513.43	
	02 82 33 00-0240	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.91	
	02 82 33 00-0241	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.25	
	02 82 33 00-0242	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.55	
	02 82 33 00-0243	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.01	
	02 82 33 00-0244		Caulking, Asbestos Abatement And Disposal (02 82 33 00-0203)		
	02 82 33 00-0245		Caulking, Asbestos Abatement And Disposal (02 82 33 00-0244)		
	02 82 33 00-0246	EA	Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	192.54	
	02 82 33 00-0247	LF	>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	7.57	
	02 82 33 00-0248	LF	>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	5.34	
	02 82 33 00-0249	LF	>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.97	
	02 82 33 00-0250	LF	>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.98	
	02 82 33 00-0251	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.37	
	02 82 33 00-0252	LF	>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	2.04	
	02 83		Lead Remediation (02 80)		
			Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0001 for transportation and disposal of hazardous material into approved facility., 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.		
	02 83 19		Lead-Based Paint Remediation (02 83)		
	02 83 19 13		Lead-Based Paint Abatement (02 83 19)		
	02 83 19 13-0001		Sampling And Testing (02 83 19 13)		
			Note: Includes taking sample, delivery to lab and lab fee.		



Existing Conditions	02
Facility Remediation	02 80
Lead Remediation	02 83

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0002 EA X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	36.25	
02 83 19 13-0003 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	34.71	
02 83 19 13-0004 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	52.58	
02 83 19 13-0005 EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	73.62	
02 83 19 13-0006 EA Total Threshold Leaching Concentration (TTLC) Lead Test (5 Day Turnaround) And Lab Fee	13.67	
02 83 19 13-0007 EA Total Threshold Leaching Concentration (TTLC) Lead Test (24 Hour Turnaround) And Lab Fee	21.03	
02 83 19 13-0008 EA Total Threshold Leaching Concentration (TTLC) Lead Test (8 Hour Turnaround) And Lab Fee	26.29	
02 83 19 13-0009 EA Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	34.71	
02 83 19 13-0010 EA Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee.....	52.58	
02 83 19 13-0011 EA Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.78	
02 83 19 13-0012 EA Lead Wipe Samples (24 Hour Turnaround) And Lab Fee.....	7.89	
02 83 19 13-0013 EA Lead Wipe Samples (8 Hour Turnaround) And Lab Fee.....	11.57	
02 83 19 13-0014 EA Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.78	
02 83 19 13-0015 EA Lead Air Samples (24 Hour Turnaround) And Lab Fee	7.89	
02 83 19 13-0016 EA Lead Air Samples (8 Hour Turnaround) And Lab Fee	11.57	
02 83 19 13-0017 EA Lead Water Test (5 Day Turnaround) and Lab Fee	21.03	
02 83 19 13-0018 EA Lead Water Test (24 Hour Turnaround) and Lab Fee.....	31.55	
02 83 19 13-0019 EA Lead Water Test (8 Hour Turnaround) and Lab Fee.....	42.07	
02 83 19 13-0020 EA Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	21.75	
02 83 19 13-0021 EA Lead Soil Test (5 Day Turnaround) and Lab Fee.....	43.50	
02 83 19 13-0022 EA Sample Pickup, Per Trip	31.55	
02 83 19 13-0023	Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)	
02 83 19 13-0024 EA Lead-Based Paint Remediation Minimum Show Up Charge	786.14	
	Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	
02 83 19 13-0025	Chemical Stripping Of Lead Contaminated Material (02 83 19 13)	
	Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.	
02 83 19 13-0026 SF Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	24.97	
02 83 19 13-0027 SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	37.33	
02 83 19 13-0028 LF Up To 6" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	10.62	
02 83 19 13-0029 LF >6" To 12" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material	22.07	
02 83 19 13-0030 SF Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	6.88	
02 83 19 13-0031 SF Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	26.76	
02 83 19 13-0032 SF Cabinets, Simple Design, Chemical Stripping Of Lead Contaminated Material.....	20.90	
02 83 19 13-0033 SF Ceilings, All, Chemical Stripping Of Lead Contaminated Material	9.68	
02 83 19 13-0034 SF Columns, Chemical Stripping Of Lead Contaminated Material.....	9.16	
02 83 19 13-0035 SF Cornice, Simple, Chemical Stripping Of Lead Contaminated Material.....	11.34	
02 83 19 13-0036 SF Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material.....	33.20	
02 83 19 13-0037 SF Doors, One Side Flush, Chemical Stripping Of Lead Contaminated Material	8.13	
02 83 19 13-0038 SF Doors, One Panel, Chemical Stripping Of Lead Contaminated Material	8.49	
02 83 19 13-0039 SF Doors, Four Panel, Chemical Stripping Of Lead Contaminated Material	14.97	
02 83 19 13-0040 EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....	110.22	
02 83 19 13-0041 LF Trim Or Frames, One Side, Chemical Stripping Of Lead Contaminated Material.....	10.56	
02 83 19 13-0042 LF Up To 2" Electrical Conduit, Chemical Stripping Of Lead Contaminated Material	4.56	
02 83 19 13-0043 SF Fence, Picket, Chemical Stripping Of Lead Contaminated Material	22.42	
02 83 19 13-0044 SF Floors, Wood, Chemical Stripping Of Lead Contaminated Material.....	5.59	
02 83 19 13-0045 SF Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	26.76	
02 83 19 13-0046 SF Grilles, Simple, Chemical Stripping Of Lead Contaminated Material	22.37	
02 83 19 13-0047 EA Hinges, Chemical Stripping Of Lead Contaminated Material	13.60	
02 83 19 13-0048 EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	16.91	
02 83 19 13-0049 LF Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.54	
02 83 19 13-0050 LF >4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	13.55	
02 83 19 13-0051 LF >8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	18.65	
02 83 19 13-0052 LF >12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	33.66	
02 83 19 13-0053 SF >16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.13	
02 83 19 13-0054 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	202.89	
02 83 19 13-0055 EA Shutters Front And Back Louvered, Up To 6', Chemical Stripping Of Lead Contaminated Material	227.16	
02 83 19 13-0056 EA Shutters Flat, Chemical Stripping Of Lead Contaminated Material.....	166.55	
02 83 19 13-0057 SF Siding, Chemical Stripping Of Lead Contaminated Material	7.65	
02 83 19 13-0058 SF Soffit, Chemical Stripping Of Lead Contaminated Material.....	16.82	
02 83 19 13-0059 SF Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.48	
02 83 19 13-0060 SF Steel Beams, Chemical Stripping Of Lead Contaminated Material.....	8.53	
02 83 19 13-0061 SF Trusses, Chemical Stripping Of Lead Contaminated Material	12.29	
02 83 19 13-0062 SF Walls, Wood, Chemical Stripping Of Lead Contaminated Material	8.53	
02 83 19 13-0063 SF Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	20.27	
02 83 19 13-0064 SF Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	22.23	
02 83 19 13-0065 SF Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	23.56	
02 83 19 13-0066 SF Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	24.89	
02 83 19 13-0067 SF Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	26.22	
02 83 19 13-0068 SF Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	27.59	
02 83 19 13-0069 SF Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	28.88	
02 83 19 13-0070 SF Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	29.55	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0071	SF		Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	30.22	
02 83 19 13-0072	SF		Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	30.86	
02 83 19 13-0073	SF		Metal Stair, Chemical Stripping Of Lead Contaminated Material	40.46	
02 83 19 13-0074	SF		Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	20.34	
			Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0075	LF		Ornate Railings, Chemical Stripping Of Lead Contaminated Material.....	6.82	
02 83 19 13-0076 Demolish Lead Contaminated Material (02 83 19 13)					
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.					
02 83 19 13-0077	SF		Demolish Ceiling Including Suspension System, Plaster, Lath, Lead Contaminated Material	1.82	
02 83 19 13-0078	SF		Demolish Suspended Acoustical Ceiling System, Including Tile, Lead Contaminated Material.....	1.06	
02 83 19 13-0079	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.67	
02 83 19 13-0080	SF		Demolish Metal Pan Grid System, Lead Contaminated Material	1.05	
02 83 19 13-0081	EA		Demolish Up To 2' x 4' Light Fixtures, Lead Contaminated Material.....	50.78	
02 83 19 13-0082	EA		Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	67.37	
02 83 19 13-0083	SF		Demolish Non Load Bearing Partitions, Plaster, Lath And Studs, Lead Contaminated Material.....	7.53	
02 83 19 13-0084	SF		Demolish Non Load Bearing Partitions, Gypsum Board And Studs, Lead Contaminated Material	4.22	
02 83 19 13-0085	SF		Remove Lead Paint On Brick Or Concrete Block, Lead Contaminated Material.....	4.63	
02 83 19 13-0086	IN		Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.57	
02 83 19 13-0087	IN		Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	4.75	
02 83 19 13-0088	SF		Demolish Balustrades And Railings, Lead Contaminated Material	5.27	
02 83 19 13-0089	LF		Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.37	
02 83 19 13-0090	LF		Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.71	
02 83 19 13-0091	LF		Demolish Base Shoe Molding, Lead Contaminated Material	1.11	
02 83 19 13-0092	SF		Demolish Brick, Lead Contaminated Material	3.17	
02 83 19 13-0093	SF		Demolish Concrete Block, Lead Contaminated Material	4.08	
02 83 19 13-0094	SF		Demolish Concrete, Lead Contaminated Material	10.48	
02 83 19 13-0095	LF		Demolish Cabinets, Lead Contaminated Material.....	24.40	
02 83 19 13-0096	SF		Demolish Ceilings, Gypsum Board, Lead Contaminated Material.....	1.38	
02 83 19 13-0097	SF		Demolish Up To 12" Diameter Columns, Lead Contaminated Material	13.52	
02 83 19 13-0098	SF		Demolish Cornice, Lead Contaminated Material.....	1.80	
02 83 19 13-0099	EA		Demolish Doors, Lead Contaminated Material	52.93	
02 83 19 13-0100	LF		Demolish Door And Window Trim Or Frames, Lead Contaminated Material	1.61	
02 83 19 13-0101	EA		Demolish Electrical Devices, Lead Contaminated Material	16.24	
02 83 19 13-0102	LF		Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.08	
02 83 19 13-0103	LF		Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	3.47	
02 83 19 13-0104	SF		Demolish Fence, Picket, Lead Contaminated Material	2.00	
02 83 19 13-0105	SF		Demolish Wood Floors, Lead Contaminated Material.....	2.50	
02 83 19 13-0106	SF		Demolish Grilles, Lead Contaminated Material.....	2.94	
02 83 19 13-0107	EA		Demolish Hinges, Lead Contaminated Material.....	5.91	
02 83 19 13-0108	EA		Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	12.69	
02 83 19 13-0109	LF		Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	5.20	
02 83 19 13-0110	LF		Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	7.59	
02 83 19 13-0111	LF		Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	11.47	
02 83 19 13-0112	LF		Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	21.15	
02 83 19 13-0113	EA		Demolish Radiators, Lead Contaminated Material.....	91.36	
02 83 19 13-0114	EA		Demolish Shutters And Louvered, Up To 6', Lead Contaminated Material	35.60	
02 83 19 13-0115	SF		Demolish Siding, Lead Contaminated Material	1.41	
02 83 19 13-0116	SF		Demolish Up To 12" Wide Soffit, Lead Contaminated Material.....	1.20	
02 83 19 13-0117	SF		Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material	3.29	
02 83 19 13-0118	SF		Demolish Steel Beams, Lead Contaminated Material.....	3.88	
02 83 19 13-0119	SF		Demolish Trusses, Lead Contaminated Material	5.09	
02 83 19 13-0120	SF		Demolish Walls, Wood, Lead Contaminated Material	3.76	
02 83 19 13-0121	SF		Demolish Windows, Lead Contaminated Material.....	12.64	
02 83 19 13-0122	SF		Demolish Metal Stair, Lead Contaminated Material	6.05	
02 83 19 13-0123	LF		Demolish Metal Railing And Posts, Lead Contaminated Material	7.26	
02 83 19 13-0124	SF		Demolish Plywood, Lead Contaminated Material.....	5.47	
02 83 19 13-0125	SF		Demolish Planks (Various Sizes), Lead Contaminated Material	2.67	
02 83 19 13-0126	SF		Demolish Ceramic Tile, Walls Or Floor, Lead Contaminated Material	3.08	
02 83 19 13-0127	EA		Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	16.67	
02 83 19 13-0128	SF		Demolish Ceramic Tile Block, Lead Contaminated Material	3.64	
02 83 19 13-0129	LF		Demolish Metal Hand Rails, Lead Contaminated Material.....	4.45	
02 83 19 13-0130	LF		Demolish Metal Guard Rails, Lead Contaminated Material	10.01	
02 83 19 13-0131	SF		Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	5.34	
02 83 19 13-0132	SF		Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.84	
02 83 19 13-0133	SF		Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.01	
02 83 19 13-0134	SF		Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	2.33	
02 83 19 13-0135	SF		Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	16.67	
02 83 19 13-0136	SF		Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	11.86	
02 83 19 13-0137	SF		Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	8.89	
02 83 19 13-0138	SF		Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	6.66	
02 83 19 13-0139 Wet Sanding Of Lead Contaminated Material (02 83 19 13)					
02 83 19 13-0140	SF		Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.44	



Existing Conditions	02	02
Facility Remediation	02 80	
Lead Remediation	02 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 19 13-0141	Lead Abatement Encapsulation <small>(02 83 19 13)</small>	
	Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.	
02 83 19 13-0142	SF	Balustrades, Lead Abatement Encapsulation .....4.62
02 83 19 13-0143	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....5.31
02 83 19 13-0144	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....7.17
02 83 19 13-0145	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation .....2.97
02 83 19 13-0146	SF	Ornate Cabinets, Lead Abatement Encapsulation .....6.67
02 83 19 13-0147	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....5.44
02 83 19 13-0148	SF	Drywall Ceilings, Lead Abatement Encapsulation.....1.87
02 83 19 13-0149	SF	Wood Ceilings, Lead Abatement Encapsulation .....2.27
02 83 19 13-0150	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation .....2.10
02 83 19 13-0151	SF	Columns, Lead Abatement Encapsulation .....3.59
02 83 19 13-0152	SF	Doors, Lead Abatement Encapsulation .....7.84
02 83 19 13-0153	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation .....3.01
02 83 19 13-0154	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....2.15
02 83 19 13-0155	SF	Wood Floors (Roller), Lead Abatement Encapsulation .....1.79
02 83 19 13-0156	SF	Grilles, Vents, Lead Abatement Encapsulation.....4.98
02 83 19 13-0157	LF	Gutters And Downspouts, Lead Abatement Encapsulation .....4.62
02 83 19 13-0158	EA	Hangers, Lead Abatement Encapsulation .....39.24
02 83 19 13-0159	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation .....2.80
02 83 19 13-0160	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation .....4.03
02 83 19 13-0161	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation .....6.26
02 83 19 13-0162	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation .....9.24
02 83 19 13-0163	EA	Radiators, Lead Abatement Encapsulation.....168.17
02 83 19 13-0164	EA	Up To 6' Shutters, Lead Abatement Encapsulation .....145.27
02 83 19 13-0165	SF	Siding, Lead Abatement Encapsulation .....2.56
02 83 19 13-0166	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....3.59
02 83 19 13-0167	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation .....2.97
02 83 19 13-0168	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....3.88
02 83 19 13-0169	SF	Trusses, Lead Abatement Encapsulation .....3.88
02 83 19 13-0170	SF	Drywall Walls, Lead Abatement Encapsulation.....1.65
02 83 19 13-0171	SF	Wood Walls, Lead Abatement Encapsulation .....2.05
02 83 19 13-0172	EA	Double Hung Window, Lead Abatement Encapsulation .....145.62
02 83 19 13-0173	EA	Colonial Window, Lead Abatement Encapsulation .....171.14
02 83 19 13-0174	LF	Frames And Trim, Lead Abatement Encapsulation .....2.63
02 83 19 13-0175	LF	Steel Lintels, Lead Abatement Encapsulation.....3.03

02 83 33 Removal and Disposal of Material Containing Lead (02 83)

02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)

02 83 33 13-0001	Remove Loose Dirt And Debris Containing Lead <small>(02 83 33 13)</small>	
02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....0.22
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate .....0.25
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....1.05

02 84 Polychlorinate Biphenyl Remediation (02 80)

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)

02 84 16 00-0001	Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures <small>(02 84 16)</small>	
	Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.	
02 84 16 00-0002	EA	Remove TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling.....8.04

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

	Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.	
02 84 16 00-0004	EA	Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures.....0.88
02 84 16 00-0005	EA	Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures .....1.32
02 84 16 00-0006	EA	Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures .....4.09
02 84 16 00-0007	EA	Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures .....9.35

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

	Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.	
02 84 16 00-0009	EA	Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures .....2.19
02 84 16 00-0010	EA	Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures .....3.29
02 84 16 00-0011	EA	Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures.....6.14
02 84 16 00-0012	EA	Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures.....14.03

02 84 33 Removal and Disposal of Polychlorinate Biphenyls (02 84)

02 84 33 00-0001 Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers

	<small>(02 84 33)</small> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.	
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02 Existing Conditions**02 80 Facility Remediation****02 84 Polychlorinate Biphenyl Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB.....	1,737.59	
Note: Includes disposal costs.		
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non PCB.....	2,688.42	
Note: Includes disposal costs.		
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non PCB	843.42	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB	3,131.33	
Note: Includes disposal costs.		
02 84 33 00-0006 EA Removal And Disposal Of Switch, PCB	1,755.63	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, PCB	4,872.52	
Note: Includes disposal costs.		

02 85 Mold Remediation (02 80)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 85 33 Removal and Disposal of Materials with Mold (02 85)

02 85 33 00-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 85 33)	
	Note: Treat fittings as additional lf of insulation.	
02 85 33 00-0002	Pipe Insulation, Mold Abatement And Disposal (02 85 33 00-0001)	
	Note: Diameter is outer size of insulation.	
02 85 33 00-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 33 00-0002)	
	Note: Excludes encased fittings.	
02 85 33 00-0004 LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.60
02 85 33 00-0005 LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.86
02 85 33 00-0006 LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.89
02 85 33 00-0007 LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.16
02 85 33 00-0008 LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.38
02 85 33 00-0009 LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.28
02 85 33 00-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 33 00-0002)	
02 85 33 00-0011 LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	30.59
02 85 33 00-0012 LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	22.83
02 85 33 00-0013 LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.12
02 85 33 00-0014 LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.84
02 85 33 00-0015 LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.63
02 85 33 00-0016 LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.38
02 85 33 00-0017	Thermal Insulation, Mold Abatement And Disposal (02 85 33)	
02 85 33 00-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 85 33 00-0017)	
02 85 33 00-0019 SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	16.05
02 85 33 00-0020 SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.41
02 85 33 00-0021 SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.56
02 85 33 00-0022 SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.42
02 85 33 00-0023 SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.92
02 85 33 00-0024	Surfacing Material, Mold Abatement And Disposal (02 85 33)	
	Note: e.g. fireproofing, acoustical plaster, etc.	
02 85 33 00-0025	Stucco, Mold Abatement And Disposal (02 85 33 00-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 85 33 00-0026 SF	Up To 100 SF, Stucco, Mold Abatement And Disposal.....	16.05
02 85 33 00-0027 SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.41
02 85 33 00-0028 SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.56
02 85 33 00-0029 SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.42
02 85 33 00-0030 SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.83
02 85 33 00-0031	Acoustical Plaster, Mold Abatement And Disposal (02 85 33 00-0024)	
	Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 85 33 00-0032 SF	Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal	16.05
02 85 33 00-0033 SF	>100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	11.41
02 85 33 00-0034 SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.56
02 85 33 00-0035 SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.42
02 85 33 00-0036 SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	4.83
02 85 33 00-0037	Gypsum Board, Mold Abatement And Disposal (02 85 33 00-0024)	
02 85 33 00-0038 SF	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	5.13
02 85 33 00-0039 SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	3.69
02 85 33 00-0040 SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	2.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 33 00-0041 SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.25	
02 85 33 00-0042 SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.60	
02 85 33 00-0043 Fireproofing, Mold Abatement And Disposal (02 85 33 00-0024) Note: Exposed surface area, includes associated overspray.		
02 85 33 00-0044 SF Up To 100 SF, Fireproofing, Mold Abatement And Disposal	16.05	
02 85 33 00-0045 SF >100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.72	
02 85 33 00-0046 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.81	
02 85 33 00-0047 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.85	
02 85 33 00-0048 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	6.65	
02 85 33 00-0049 Flooring, Mold Abatement And Disposal (02 85 33) Note: Includes cove base.		
02 85 33 00-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 85 33 00-0049)		
02 85 33 00-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 85 33 00-0050) Note: Single layer or first of multiple layers.		
02 85 33 00-0052 SF Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.83	
For Each Additional Layer, Add	1.46	
02 85 33 00-0053 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.67	
For Each Additional Layer, Add	0.92	
02 85 33 00-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.98	
For Each Additional Layer, Add	0.50	
02 85 33 00-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.07	
For Each Additional Layer, Add	0.27	
02 85 33 00-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.79	
For Each Additional Layer, Add	0.20	
02 85 33 00-0057 Carpet, Mold Abatement And Disposal (02 85 33 00-0049)		
02 85 33 00-0058 Carpet, Glue Down, Mold Abatement And Disposal (02 85 33 00-0057)		
02 85 33 00-0059 SF Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.67	
02 85 33 00-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.02	
02 85 33 00-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.83	
02 85 33 00-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.16	
02 85 33 00-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	0.86	
02 85 33 00-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 85 33 00-0057)		
02 85 33 00-0065 SF Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	5.13	
Note: Includes tack strips.		
02 85 33 00-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	3.42	
Note: Includes tack strips.		
02 85 33 00-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	2.44	
Note: Includes tack strips.		
02 85 33 00-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.90	
Note: Includes tack strips.		
02 85 33 00-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal	1.43	
Note: Includes tack strips.		
02 85 33 00-0070 Subflooring, Mold Abatement And Disposal (02 85 33 00-0049)		
02 85 33 00-0071 SF Up To 100 SF, Subflooring, Mold Abatement And Disposal	6.80	
02 85 33 00-0072 SF >100 To 500 SF, Subflooring, Mold Abatement And Disposal	4.25	
02 85 33 00-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.66	
02 85 33 00-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.54	
02 85 33 00-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal	0.91	
02 85 33 00-0076 Siding, Mold Abatement And Disposal (02 85 33)		
02 85 33 00-0077 Interior Paneling, Mold Abatement And Disposal (02 85 33 00-0076) Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0078 SF Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	5.13	
Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	3.66	
Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.52	
Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.40	
Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.02	
Note: Includes detachment of mounted objects before removal.		
02 85 33 00-0083 Exterior Siding, Mold Abatement And Disposal (02 85 33 00-0076)		
02 85 33 00-0084 SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.13	

02 Existing Conditions**02 80 Facility Remediation****02 85 Mold Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 85 33 00-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.58	
	02 85 33 00-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.13	
	02 85 33 00-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.05	
	02 85 33 00-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.83	
02 85 33 00-0089	Contaminated Debris, Mold Abatement And Disposal (02 85 33)				
02 85 33 00-0090	Contaminated Debris, Mold Abatement And Disposal (02 85 33 00-0089)				
	02 85 33 00-0091	CF	Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.60	
	02 85 33 00-0092	CF	>10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.76	
	02 85 33 00-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.84	
	02 85 33 00-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.87	
	02 85 33 00-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	7.10	
	02 85 33 00-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.88	
	02 85 33 00-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.48	
02 85 33 00-0098	Other Mold Containing Materials, Mold Abatement And Disposal (02 85 33)				
02 85 33 00-0099	Wood Studs, Mold Abatement And Disposal (02 85 33 00-0098)				
	Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.				
	02 85 33 00-0100	LF	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.87	
	02 85 33 00-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.07	
	02 85 33 00-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.52	
	02 85 33 00-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.16	
	02 85 33 00-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	0.86	
02 85 33 00-0105	Ceiling Tile, Mold Abatement And Disposal (02 85 33 00-0098)				
	Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.				
	02 85 33 00-0106	SF	Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	8.56	
	02 85 33 00-0107	SF	>200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.42	
	02 85 33 00-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.93	
	02 85 33 00-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.05	
	02 85 33 00-0110	SF	>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.83	
02 85 33 00-0111	Caulking, Mold Abatement And Disposal (02 85 33 00-0098)				
	02 85 33 00-0112	LF	Up To 10 LF, Caulking, Mold Abatement And Disposal	3.02	
	02 85 33 00-0113	LF	>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.57	
	02 85 33 00-0114	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.83	
	02 85 33 00-0115	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.39	
	02 85 33 00-0116	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.02	
	02 85 33 00-0117	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.83	
	02 85 33 00-0118	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.71	
02 85 33 00-0119	Wipe Down Walls, Ceilings And Floors (02 85 33 00-0098)				
	02 85 33 00-0120	CSF	Wipe Down Floors With Mild Bleach Solution	14.26	
	02 85 33 00-0121	CSF	Wipe Down Walls With Mild Bleach Solution	16.78	
	02 85 33 00-0122	CSF	Wipe Down Ceilings With Mild Bleach Solution	19.09	
	02 85 33 00-0123	CSF	Wipe Down Countertops With Mild Bleach Solution	15.56	
	02 85 33 00-0124	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	19.75	
02 85 33 00-0125	Cabinets (02 85 33 00-0098)				
	02 85 33 00-0126	LF	Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	52.59	
	02 85 33 00-0127	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	37.13	
	02 85 33 00-0128	LF	Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal	46.40	
	02 85 33 00-0129	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	30.94	
02 87	Bio-Hazard Material Remediation (02 80)				
	Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.				
02 87 00 00-0001	Bird Waste Removal (02 87)				
	Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.				
	02 87 00 00-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	513.43	
	For Work In Restricted Working Space, Add			154.03	
	02 87 00 00-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.56	
	For Work In Restricted Working Space, Add			2.57	
	02 87 00 00-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.78	
	For Work In Restricted Working Space, Add			2.33	



Existing Conditions	02
Facility Remediation	02 80
Bio-Hazard Material Remediation	02 87

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 00 00-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	7.08 2.12	
02 87 00 00-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness <i>For Work In Restricted Working Space, Add</i>	6.43 1.93	
02 89 Hazmat Ancillary Tasks And Support (02 80)		
02 89 00 00-0001 Barriers And Protection (02 89)		
Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)		
Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0016 for temporary stud walls.		
02 89 00 00-0003 SF 1/2" Plywood For Solid Isolation Barrier.....	2.76	
02 89 00 00-0004 SF 6 Mil Plastic Sheeting For Separation Barrier	0.32	
02 89 00 00-0005 SF 1/2" Drywall For Solid Isolation Barrier	1.33	
02 89 00 00-0006 SF 5/8" Drywall For Solid Isolation Barrier	1.47	
02 89 00 00-0007 Cleaning Surfaces (02 89 00 00-0001)		
Note: Other surfaces within contamination area but not contaminated by, or part of removal.		
02 89 00 00-0008 SF Up To 100 SF, Clean Asbestos Surface	1.24	
02 89 00 00-0009 SF >100 To 500 SF, Clean Asbestos Surface.....	0.88	
02 89 00 00-0010 SF >500 To 1,000 SF, Clean Asbestos Surface.....	0.57	
02 89 00 00-0011 SF >1,000 SF, Clean Asbestos Surface.....	0.45	
02 89 00 00-0012 Hazmat Containment Construction (02 89 00 00-0001)		
02 89 00 00-0013 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.32	
02 89 00 00-0014 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41	
02 89 00 00-0015 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.56	
02 89 00 00-0016 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction	0.53	
02 89 00 00-0017 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0018 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.86	
02 89 00 00-0019 Decontamination Chambers (02 89)		
Note: Includes removal after use.		
02 89 00 00-0020 EA Portable Personnel Decontamination Wash Facility (3 Stage)	591.14	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		
	368.13	
02 89 00 00-0021 EA Portable Waste Decontamination Unit.....	377.34	
Note: Includes connection to negative air system.		
<i>For Dismantling And Relocation To A Different Area, Add</i>		
	265.84	
02 90 Disaster Recovery (02)		
Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.		
02 90 50 Cleaning And Emergency Clean-up (02 90)		
02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)		
Note: For materials that do not require mold abatement.		
02 90 50 00-0002 SY Wet Broadloom Carpet Removal	7.19	
02 90 50 00-0003 SY Wet Carpet Tile Removal.....	1.75	
02 90 50 00-0004 SF Wet Batt Insulation Removal.....	0.15	
02 90 50 00-0005 SF Wet Ceiling Tile Removal.....	0.18	
02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal.....	0.17	
02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal	0.27	
02 90 50 00-0008 Cleaning (02 90 50)		
Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe.....	25.86	
<i>For Medium Clean, Add</i>		
	10.86	
<i>For Heavy Clean, Add</i>		
	33.62	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean	1.44	
<i>For Medium Clean, Add</i>		
	0.60	
<i>For Heavy Clean, Add</i>		
	1.87	
02 90 50 00-0012 LF Shelving, Light Clean.....	2.59	
<i>For Medium Clean, Add</i>		
	1.09	
<i>For Heavy Clean, Add</i>		
	3.37	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean.....	7.47	
<i>For Medium Clean, Add</i>		
	3.14	
<i>For Heavy Clean, Add</i>		
	9.71	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0014 EA Upholstered Chair, Light Clean.....	24.14	
For Medium Clean, Add	10.14	
For Heavy Clean, Add	31.38	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean.....	148.86	
For Medium Clean, Add	62.52	
For Heavy Clean, Add	193.52	
02 90 50 00-0016 EA Desk, Light Clean.....	30.46	
For Medium Clean, Add	12.79	
For Heavy Clean, Add	39.60	
02 90 50 00-0017 EA Table, Light Clean.....	28.74	
For Medium Clean, Add	12.07	
For Heavy Clean, Add	37.36	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean.....	6.30	
For Medium Clean, Add	2.65	
For Heavy Clean, Add	8.19	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean.....	8.06	
For Medium Clean, Add	3.39	
For Heavy Clean, Add	10.48	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean.....	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean.....	12.93	
For Medium Clean, Add	5.43	
For Heavy Clean, Add	16.81	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean.....	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean.....	11.50	
For Medium Clean, Add	4.83	
For Heavy Clean, Add	14.95	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean.....	2.76	
For Medium Clean, Add	1.16	
For Heavy Clean, Add	3.59	
02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean.....	0.38	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.49	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean.....	4.89	
For Medium Clean, Add	2.05	
For Heavy Clean, Add	6.36	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean.....	5.55	
For Medium Clean, Add	2.33	
For Heavy Clean, Add	7.22	
02 90 50 00-0029 SF Overhead Door, Light Clean.....	0.39	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.51	
02 90 50 00-0030 SF Mirror, Light Clean.....	0.29	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.38	
02 90 50 00-0031 SF Window, Light Clean.....	0.85	
For Medium Clean, Add	0.36	
For Heavy Clean, Add	1.11	
02 90 50 00-0032 LF Handrail, Light Clean.....	0.75	
For Medium Clean, Add	0.32	
For Heavy Clean, Add	0.98	
02 90 50 00-0033 LF Bumper Rail, Light Clean.....	0.40	
For Medium Clean, Add	0.17	
For Heavy Clean, Add	0.52	
02 90 50 00-0034 SF Hard Floor, Light Clean.....	0.33	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.43	
02 90 50 00-0035 SF Carpet, Light Clean.....	0.34	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.44	
02 90 50 00-0036 SF Hard Ceiling, Light Clean.....	0.27	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.35	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean.....	0.29	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.38	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean.....	0.24	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.31	
02 90 50 00-0039 SF Wall, Light Clean.....	0.17	
For Medium Clean, Add	0.07	
For Heavy Clean, Add	0.22	
02 90 50 00-0040 SF Masonry Wall, Light Clean.....	0.24	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.31	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean.....	60.62	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	25.46	
For Heavy Clean, Add	78.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean.....	75.76	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	31.82	
For Heavy Clean, Add	98.49	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean.....	90.92	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	38.19	
For Heavy Clean, Add	118.20	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean.....	106.07	
For Medium Clean, Add	44.55	
For Heavy Clean, Add	137.89	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean.....	0.66	
For Medium Clean, Add	0.28	
For Heavy Clean, Add	0.86	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean	1.34	
For Medium Clean, Add	0.56	
For Heavy Clean, Add	1.74	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean.....	1.55	
For Medium Clean, Add	0.65	
For Heavy Clean, Add	2.02	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean	1.42	
For Medium Clean, Add	0.60	
For Heavy Clean, Add	1.85	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean	1.63	
For Medium Clean, Add	0.68	
For Heavy Clean, Add	2.12	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean	1.73	
For Medium Clean, Add	0.73	
For Heavy Clean, Add	2.25	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean.....	1.99	
For Medium Clean, Add	0.84	
For Heavy Clean, Add	2.59	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean.....	11.91	
For Medium Clean, Add	5.00	
For Heavy Clean, Add	15.48	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean	28.06	
For Medium Clean, Add	11.79	
For Heavy Clean, Add	36.48	
02 90 50 00-0056 EA Range, Outside, Light Clean.....	24.25	
For Medium Clean, Add	10.19	
For Heavy Clean, Add	31.53	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058 EA Water Heater, Light Clean	17.24	
For Medium Clean, Add	7.24	
For Heavy Clean, Add	22.41	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean.....	17.41	
For Medium Clean, Add	7.31	
For Heavy Clean, Add	22.63	
02 90 50 00-0060 EA Restroom Accessory, Light Clean.....	7.99	
For Medium Clean, Add	3.36	
For Heavy Clean, Add	10.39	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062 LF Baseboard Heater, Light Clean.....	5.15	
For Medium Clean, Add	2.16	
For Heavy Clean, Add	6.70	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean	14.37	
For Medium Clean, Add	6.04	
For Heavy Clean, Add	18.68	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean	55.18	
For Medium Clean, Add	23.18	
For Heavy Clean, Add	71.73	
02 90 50 00-0065 EA Grille/Register, Light Clean.....	5.17	
For Medium Clean, Add	2.17	
For Heavy Clean, Add	6.72	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean	35.83	
For Medium Clean, Add	15.05	
For Heavy Clean, Add	46.58	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean	31.90	
For Medium Clean, Add	13.40	
For Heavy Clean, Add	41.47	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)		

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0069 EA Electric Fan, Light Clean.....	21.27	
For Medium Clean, Add	8.93	
For Heavy Clean, Add	27.65	
02 90 50 00-0070 EA Ceiling Fan, Light Clean.....	22.99	
For Medium Clean, Add	9.66	
For Heavy Clean, Add	29.89	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean.....	29.89	
For Medium Clean, Add	12.55	
For Heavy Clean, Add	38.86	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean.....	20.98	
For Medium Clean, Add	8.81	
For Heavy Clean, Add	27.27	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean.....	13.79	
For Medium Clean, Add	5.79	
For Heavy Clean, Add	17.93	
02 90 50 00-0074 EA Light Fixture, Light Clean.....	6.32	
For Medium Clean, Add	2.65	
For Heavy Clean, Add	8.22	
02 90 50 00-0075 EA Smoke Detector, Light Clean.....	4.89	
For Medium Clean, Add	2.05	
For Heavy Clean, Add	6.36	
02 90 50 00-0076 EA Thermostat, Light Clean.....	1.72	
For Medium Clean, Add	0.72	
For Heavy Clean, Add	2.24	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog.....	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With Plastic.....	0.21	
02 90 50 00-0081 SF Floor Protection - Adhesive Film.....	0.25	
02 90 50 00-0082 SF Move Contents Out And Later Reset.....	0.46	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer.....	108.98	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer.....	144.53	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer.....	133.69	
02 90 50 00-0086 Water Emergency Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard.....	0.62	
02 90 50 00-0088 LF Detach And Later Reset Baseboard.....	1.09	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture).....	4.03	
02 90 50 00-0090 SF Water Extraction From Floor.....	0.41	
02 90 50 00-0091 SF Gray Water Extraction From Floor.....	0.68	
02 90 50 00-0092 SF Black Water Extraction From Floor.....	1.07	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet.....	0.34	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water.....	0.40	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet.....	0.60	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water.....	0.87	
02 90 50 00-0097 SF Tear Out Vinyl Flooring.....	0.83	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water.....	1.20	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water.....	3.13	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring.....	1.53	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water.....	2.25	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile.....	0.26	
02 90 50 00-0103 SF Tear Out Batt Insulation.....	0.26	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board.....	0.33	
02 90 50 00-0105 SF Apply Antimicrobial Agent.....	0.19	
02 90 50 00-0106 SF HEPA Vacuuming.....	0.33	
02 90 50 00-0107 Emergency Clean-up Labor (02 90 50)		
Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0108 HR Cleaning And Emergency Clean Up - General Laborer (Unskilled).....	24.30	
02 90 50 00-0109 HR Cleaning And Emergency Clean Up - General Laborer (Skilled).....	32.40	
02 90 50 00-0110 HR Cleaning And Emergency Clean Up - Skilled Tradesman.....	59.40	
02 90 50 00-0111 HR Cleaning And Emergency Clean Up - Restoration Laborer.....	37.80	
02 90 50 00-0112 HR Cleaning And Emergency Clean Up - Restoration Technician.....	48.60	
02 90 50 00-0113 HR Cleaning And Emergency Clean Up - Restoration Supervisor.....	70.20	
02 90 50 00-0114 HR Cleaning And Emergency Clean Up - Restoration Project Manager.....	97.20	
02 90 50 00-0115 HR Cleaning And Emergency Clean Up - Assistant Project Manager.....	81.00	
02 90 50 00-0116 HR Cleaning And Emergency Clean Up - Project Manager.....	102.60	
02 90 50 00-0117 HR Cleaning And Emergency Clean Up - Project Director.....	156.60	
02 90 50 00-0118 HR Cleaning And Emergency Clean Up - Resource Coordinator.....	48.60	
02 90 50 00-0119 HR Cleaning And Emergency Clean Up - Project Accountant.....	81.00	
02 90 50 00-0120 HR Cleaning And Emergency Clean Up - Corrosion Technician.....	70.20	
02 90 50 00-0121 HR Cleaning And Emergency Clean Up - Sr. Corrosion Technician.....	81.00	
02 90 50 00-0122 HR Cleaning And Emergency Clean Up - Certified Mold Technician.....	71.28	
02 90 50 00-0123 HR Cleaning And Emergency Clean Up - Certified Mold Supervisor.....	81.00	
02 90 50 00-0124 HR Cleaning And Emergency Clean Up - Clerical.....	37.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0125 HR Cleaning And Emergency Clean Up - Biohazard Technician.....	81.00	
02 90 50 00-0126 HR Cleaning And Emergency Clean Up - Biohazard Supervisor.....	97.20	
02 90 50 00-0127 HR Cleaning And Emergency Clean Up - Health And Safety Officer.....	75.60	
02 90 50 00-0128 HR Cleaning And Emergency Clean Up - Resource And Logistics Coordinator.....	54.00	
02 90 50 00-0129 HR Cleaning And Emergency Clean Up - Restoration Consultant.....	156.60	
02 90 50 00-0130 Emergency Clean-up Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0131 General Emergency Clean-up Equipment (02 90 50 00-0130)		
02 90 50 00-0132 DAY Air Compressor.....	52.62	
02 90 50 00-0133 DAY Buffer - Floor.....	35.08	
02 90 50 00-0134 DAY Carpet Cleaning Machine - Portable.....	87.70	
02 90 50 00-0135 DAY Chain Saw.....	40.93	
02 90 50 00-0136 EA Cleaning Kit With Mop, Broom And Bucket.....	52.62	
02 90 50 00-0137 DAY Cut Off Saw.....	145.75	
02 90 50 00-0138 DAY Dry Cleaning Unit - Portable.....	99.39	
02 90 50 00-0139 DAY Extension Cords - 220 Volt.....	29.23	
02 90 50 00-0140 DAY Extension Cords - 220 Volt Converter Box.....	17.54	
02 90 50 00-0141 DAY Demolition Cart, 7 Yard.....	52.62	
02 90 50 00-0142 EA Demolition Kit With Wheel Barrow, Shovel And Broom.....	87.70	
02 90 50 00-0143 DAY Dry-Ice Blasting System.....	409.26	
02 90 50 00-0144 DAY Fogger - Mist.....	29.23	
02 90 50 00-0145 DAY Fogger - Electric Thermal.....	42.09	
02 90 50 00-0146 DAY Fogger - Gas Power Thermal.....	105.24	
02 90 50 00-0147 JOB Gang Box, Demo/Framing (One Time Per Job).....	76.00	
02 90 50 00-0148 DAY Hand Trucks/Dollies.....	14.03	
02 90 50 00-0149 DAY Heat Gun - Shrinkwrap.....	46.77	
02 90 50 00-0150 DAY HEPA Negative Air Machine.....	146.16	
Note: Includes all filters.		
02 90 50 00-0151 DAY Ladder.....	19.88	
02 90 50 00-0152 DAY Lights - Demo, Drop, Stand, String.....	21.05	
02 90 50 00-0153 DAY Lights - Wobble.....	25.72	
02 90 50 00-0154 DAY Moisture Meter.....	29.23	
02 90 50 00-0155 DAY Nail Gun.....	52.62	
02 90 50 00-0156 DAY Ozone Generator.....	146.16	
02 90 50 00-0157 DAY PPE (Personal Protective Equipment) Mold Remediation Related.....	70.16	
02 90 50 00-0158 DAY Portable Generator, Up To 7,500 Watts.....	116.93	
02 90 50 00-0159 DAY Pressure Washer, Hot.....	175.40	
02 90 50 00-0160 DAY Pressure Washer, Cold.....	116.93	
02 90 50 00-0161 DAY Scaffolding - Per Section.....	76.00	
02 90 50 00-0162 DAY Small Tools - Tool Box.....	29.23	
02 90 50 00-0163 DAY Soda Blasting Equipment.....	263.09	
02 90 50 00-0164 DAY Sprayer - Hudson.....	9.35	
02 90 50 00-0165 DAY Sprayer - Industrial Airless.....	273.28	
02 90 50 00-0166 DAY Storage Space (Per SF Per Day).....	0.96	
02 90 50 00-0167 DAY Submersible Pump.....	29.23	
02 90 50 00-0168 DAY Trash Pump - 2" Gas Powered.....	146.16	
02 90 50 00-0169 DAY Vehicle, Pick-up, SUV, Car.....	87.70	
02 90 50 00-0170 DAY Vehicle, Van.....	146.16	
02 90 50 00-0171 DAY Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage).....	233.86	
02 90 50 00-0172 DAY Trailer - Refrigerated 40' Storage.....	146.16	
02 90 50 00-0173 DAY Trailer - Utility (Inclusive Of Mileage).....	116.93	
02 90 50 00-0174 DAY Truck Mount, Per Wand Extraction.....	228.01	
02 90 50 00-0175 DAY Vacuum - Backpack.....	29.23	
02 90 50 00-0176 DAY Vacuum - Shop Vacuum.....	29.23	
02 90 50 00-0177 DAY Vacuum - Commercial.....	87.70	
02 90 50 00-0178 DAY Vacuum - HEPA Industrial.....	99.39	
02 90 50 00-0179 DAY Vacuum - Upright.....	17.54	
02 90 50 00-0180 DAY Zip Walls (Per 2 Poles).....	29.23	
02 90 50 00-0181 DAY 2 Way Radio.....	23.39	
02 90 50 00-0182 Technical/Electronics Restoration Equipment (02 90 50 00-0130)		
02 90 50 00-0183 DAY Computer - Diagnostic.....	29.23	
02 90 50 00-0184 WK Computer - Diagnostic.....	80.39	
02 90 50 00-0185 MO Computer - Diagnostic.....	219.24	
02 90 50 00-0186 DAY Convection Oven - Large.....	192.93	
02 90 50 00-0187 WK Convection Oven - Large.....	530.57	
02 90 50 00-0188 MO Convection Oven - Large.....	1,447.01	
02 90 50 00-0189 DAY Convection Oven - Small.....	105.24	
02 90 50 00-0190 WK Convection Oven - Small.....	289.40	
02 90 50 00-0191 MO Convection Oven - Small.....	789.28	
02 90 50 00-0192 DAY Convection Oven - Vacuum.....	140.32	
02 90 50 00-0193 WK Convection Oven - Vacuum.....	385.87	
02 90 50 00-0194 MO Convection Oven - Vacuum.....	1,052.37	
02 90 50 00-0195 DAY Decontamination Booth.....	192.93	
02 90 50 00-0196 WK Decontamination Booth.....	530.57	
02 90 50 00-0197 MO Decontamination Booth.....	1,447.01	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0198 DAY DI Water System.....	52.62	
02 90 50 00-0199 WK DI Water System.....	144.70	
02 90 50 00-0200 MO DI Water System.....	394.64	
02 90 50 00-0201 DAY ESD Bench Workstation	23.39	
02 90 50 00-0202 WK ESD Bench Workstation	64.31	
02 90 50 00-0203 MO ESD Bench Workstation	175.40	
02 90 50 00-0204 DAY Heater/Enclosure Control System.....	17.54	
02 90 50 00-0205 WK Heater/Enclosure Control System.....	48.23	
02 90 50 00-0206 MO Heater/Enclosure Control System.....	131.55	
02 90 50 00-0207 DAY Hi-Tech Mobile Cart/Workstation	292.32	
02 90 50 00-0208 WK Hi-Tech Mobile Cart/Workstation	803.89	
02 90 50 00-0209 MO Hi-Tech Mobile Cart/Workstation	2,192.44	
02 90 50 00-0210 DAY Micro-Blaster/Dust Collector	263.09	
02 90 50 00-0211 WK Micro-Blaster/Dust Collector	723.50	
02 90 50 00-0212 MO Micro-Blaster/Dust Collector	1,973.19	
02 90 50 00-0213 DAY Mobile Laboratory	730.81	
02 90 50 00-0214 WK Mobile Laboratory	2,009.73	
02 90 50 00-0215 MO Mobile Laboratory	5,481.09	
02 90 50 00-0216 DAY Nitrogen Enclosure Cabinet	14.03	
02 90 50 00-0217 WK Nitrogen Enclosure Cabinet	38.59	
02 90 50 00-0218 MO Nitrogen Enclosure Cabinet	105.24	
02 90 50 00-0219 DAY Odell Cleaning Station	409.26	
02 90 50 00-0220 WK Odell Cleaning Station	1,125.45	
02 90 50 00-0221 MO Odell Cleaning Station	3,069.41	
02 90 50 00-0222 DAY Parts Washer	29.23	
02 90 50 00-0223 WK Parts Washer	80.39	
02 90 50 00-0224 MO Parts Washer	219.24	
02 90 50 00-0225 DAY Ultrasonic Cleaning System	87.70	
02 90 50 00-0226 WK Ultrasonic Cleaning System	241.17	
02 90 50 00-0227 MO Ultrasonic Cleaning System	657.73	
02 90 50 00-0228 DAY Vacuum - HEPA Technical	23.39	
02 90 50 00-0229 WK Vacuum - HEPA Technical	64.31	
02 90 50 00-0230 MO Vacuum - HEPA Technical	175.40	
02 90 50 00-0231 Drying/Dehumidification Equipment (02 90 50 00-0130)		
02 90 50 00-0232 DAY Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	146.16	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0233 WK Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	401.95	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0234 MO Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	1,096.22	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0235 DAY Centrifugal Air Mover, 2200 CFM.....	29.23	
02 90 50 00-0236 WK Centrifugal Air Mover, 2200 CFM.....	80.39	
02 90 50 00-0237 MO Centrifugal Air Mover, 2200 CFM.....	219.24	
02 90 50 00-0238 DAY Axial Air Mover, 3000 CFM	76.00	
02 90 50 00-0239 WK Axial Air Mover, 3000 CFM	209.01	
02 90 50 00-0240 MO Axial Air Mover, 3000 CFM	570.03	
02 90 50 00-0241 DAY Injectidry System.....	181.24	
02 90 50 00-0242 WK Injectidry System.....	498.41	
02 90 50 00-0243 MO Injectidry System.....	1,359.31	
02 90 50 00-0244 DAY 1200 Drizair Refrigerant Dehumidifier	122.78	
02 90 50 00-0245 WK 1200 Drizair Refrigerant Dehumidifier	337.64	
02 90 50 00-0246 MO 1200 Drizair Refrigerant Dehumidifier	920.82	
02 90 50 00-0247 DAY 2000 Drizair Refrigerant Dehumidifier	146.16	
02 90 50 00-0248 WK 2000 Drizair Refrigerant Dehumidifier	401.95	
02 90 50 00-0249 MO 2000 Drizair Refrigerant Dehumidifier	1,096.22	
02 90 50 00-0250 DAY 2400 Drizair Refrigerant Dehumidifier	169.55	
02 90 50 00-0251 WK 2400 Drizair Refrigerant Dehumidifier	466.26	
02 90 50 00-0252 MO 2400 Drizair Refrigerant Dehumidifier	1,271.61	
02 90 50 00-0253 DAY Phoenix 200 Refrigerant Dehumidifier	169.55	
02 90 50 00-0254 WK Phoenix 200 Refrigerant Dehumidifier	466.26	
02 90 50 00-0255 MO Phoenix 200 Refrigerant Dehumidifier	1,271.61	
02 90 50 00-0256 DAY Phoenix 300 Refrigerant Dehumidifier	181.24	
02 90 50 00-0257 WK Phoenix 300 Refrigerant Dehumidifier	498.41	
02 90 50 00-0258 MO Phoenix 300 Refrigerant Dehumidifier	1,359.31	
02 90 50 00-0259 DAY D-500 Desiccant Dehumidifier	409.26	
02 90 50 00-0260 WK D-500 Desiccant Dehumidifier	1,125.45	
02 90 50 00-0261 MO D-500 Desiccant Dehumidifier	3,069.41	
02 90 50 00-0262 DAY D-750 Desiccant Dehumidifier	701.58	
02 90 50 00-0263 WK D-750 Desiccant Dehumidifier	1,929.34	
02 90 50 00-0264 MO D-750 Desiccant Dehumidifier	5,261.85	
02 90 50 00-0265 DAY D-1000 Desiccant Dehumidifier	789.28	
02 90 50 00-0266 WK D-1000 Desiccant Dehumidifier	2,170.51	
02 90 50 00-0267 MO D-1000 Desiccant Dehumidifier	5,919.58	
02 90 50 00-0268 DAY D-1500 Desiccant Dehumidifier	876.98	
02 90 50 00-0269 WK D-1500 Desiccant Dehumidifier	2,411.68	
02 90 50 00-0270 MO D-1500 Desiccant Dehumidifier	6,577.31	
02 90 50 00-0271 DAY D-2000 Desiccant Dehumidifier	935.44	
02 90 50 00-0272 WK D-2000 Desiccant Dehumidifier	2,572.46	
02 90 50 00-0273 MO D-2000 Desiccant Dehumidifier	7,015.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0274 DAY D-2250 Desiccant Dehumidifier	993.90	
02 90 50 00-0275 WK D-2250 Desiccant Dehumidifier	2,733.24	
02 90 50 00-0276 MO D-2250 Desiccant Dehumidifier	7,454.29	
02 90 50 00-0277 DAY D-3000 Desiccant Dehumidifier	1,128.37	
02 90 50 00-0278 WK D-3000 Desiccant Dehumidifier	3,103.03	
02 90 50 00-0279 MO D-3000 Desiccant Dehumidifier	8,462.81	
02 90 50 00-0280 DAY D-4500 Desiccant Dehumidifier	1,403.16	
02 90 50 00-0281 WK D-4500 Desiccant Dehumidifier	3,858.69	
02 90 50 00-0282 MO D-4500 Desiccant Dehumidifier	10,523.70	
02 90 50 00-0283 DAY D-5000 Desiccant Dehumidifier	1,578.56	
02 90 50 00-0284 WK D-5000 Desiccant Dehumidifier	4,341.03	
02 90 50 00-0285 MO D-5000 Desiccant Dehumidifier	11,839.16	
02 90 50 00-0286 DAY D-9000 Desiccant Dehumidifier	2,163.20	
02 90 50 00-0287 WK D-9000 Desiccant Dehumidifier	5,948.81	
02 90 50 00-0288 MO D-9000 Desiccant Dehumidifier	16,224.04	
02 90 50 00-0289 DAY D-10500 Desiccant Dehumidifier	2,572.46	
02 90 50 00-0290 WK D-10500 Desiccant Dehumidifier	7,074.26	
02 90 50 00-0291 MO D-10500 Desiccant Dehumidifier	19,293.45	
02 90 50 00-0292 DAY DX Unit - Heating / Air Conditioning (3.5 Ton)	409.26	
02 90 50 00-0293 WK DX Unit - Heating / Air Conditioning (3.5 Ton)	1,125.45	
02 90 50 00-0294 MO DX Unit - Heating / Air Conditioning (3.5 Ton)	3,069.41	
02 90 50 00-0295 DAY DX Unit - Heating / Air Conditioning (5 Ton)	578.80	
02 90 50 00-0296 WK DX Unit - Heating / Air Conditioning (5 Ton)	1,591.71	
02 90 50 00-0297 MO DX Unit - Heating / Air Conditioning (5 Ton)	4,341.03	
02 90 50 00-0298 DAY DX Unit - Heating / Air Conditioning (10 Ton)	701.58	
02 90 50 00-0299 WK DX Unit - Heating / Air Conditioning (10 Ton)	1,929.34	
02 90 50 00-0300 MO DX Unit - Heating / Air Conditioning (10 Ton)	5,261.85	
02 90 50 00-0301 DAY DX Unit - Heating / Air Conditioning (25 Ton)	876.98	
02 90 50 00-0302 WK DX Unit - Heating / Air Conditioning (25 Ton)	2,411.68	
02 90 50 00-0303 MO DX Unit - Heating / Air Conditioning (25 Ton)	6,577.31	
02 90 50 00-0304 DAY DX Unit - Heating / Air Conditioning (50 Ton)	1,140.07	
02 90 50 00-0305 WK DX Unit - Heating / Air Conditioning (50 Ton)	3,135.19	
02 90 50 00-0306 MO DX Unit - Heating / Air Conditioning (50 Ton)	8,550.51	
02 90 50 00-0307 DAY DX Unit - Heating / Air Conditioning (80 Ton)	1,578.56	
02 90 50 00-0308 WK DX Unit - Heating / Air Conditioning (80 Ton)	4,341.03	
02 90 50 00-0309 MO DX Unit - Heating / Air Conditioning (80 Ton)	11,839.16	
02 90 50 00-0310 DAY Flex Duct - 25'	23.39	
02 90 50 00-0311 WK Flex Duct - 25'	64.31	
02 90 50 00-0312 MO Flex Duct - 25'	175.40	
02 90 50 00-0313 DAY Hygro Thermograph	29.23	
02 90 50 00-0314 WK Hygro Thermograph	80.39	
02 90 50 00-0315 MO Hygro Thermograph	219.24	
02 90 50 00-0316 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit	5,115.69	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0317 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit	14,068.14	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0318 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit	38,367.66	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0319 Power Equipment (02 90 50 00-0130)		
02 90 50 00-0320 WK Generator, Up to 65 KVA	3,040.18	
02 90 50 00-0321 WK Generator, Up to 125 KVA	3,390.97	
02 90 50 00-0322 WK Generator, Up to 250 KVA	4,443.34	
02 90 50 00-0323 WK Generator, Up to 375 KVA	5,378.78	
02 90 50 00-0324 WK Generator, Up to 440 KVA	6,781.94	
02 90 50 00-0325 WK Generator, Up to 625 KVA	8,652.82	
02 90 50 00-0326 WK Generator, Up to 800 KVA	14,733.18	
02 90 50 00-0327 WK Generator, Up to 1,000 KVA	19,176.52	
02 90 50 00-0328 WK Generator, Up to 1,500 KVA	23,853.72	
02 90 50 00-0329 EA Generator Cable/Pigtails (Per Section)	11.69	
02 90 50 00-0330 EA Sub-Distribution Panel (Spider Box)	76.00	
02 90 50 00-0331 EA Electrical Distribution Panel	233.86	
02 90 50 00-0332 EA Quad Box Strings (25' Sections)	29.23	
02 90 50 00-0333 EA 50' Power Cord For Spider Box	29.23	
02 90 50 00-0334 EA Pig Tails (Per Each)	2.92	
02 90 50 00-0335 Freight Charges (02 90 50 00-0130)		
02 90 50 00-0336 MI Freight Up To 1 Ton Pick Up Truck	1.46	
02 90 50 00-0337 MI Freight >1 Ton Pick Up Truck	2.63	
02 90 50 00-0338 MI Freight 16' Or 24' Box Truck	2.63	
02 90 50 00-0339 MI Freight Tractor Trailer	3.80	
02 90 50 00-0340 Emergency Clean-up Personal Protection Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-		

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			up sections.		
02 90 50 00-0341	EA		Tyvek Suit.....	8.77	
02 90 50 00-0342	EA		Cartridge - Respirator.....	14.03	
02 90 50 00-0343	BOX		Dust Mask.....	31.86	
02 90 50 00-0344	PR		Gloves - Cotton.....	5.26	
02 90 50 00-0345	BOX		Gloves - Latex.....	15.79	
02 90 50 00-0346	PR		Gloves - Leather.....	8.77	
02 90 50 00-0347	EA		Gloves - Rubber (Heavy Duty).....	4.68	
02 90 50 00-0348	PR		Polycarbonate Lens Safety Goggles.....	8.65	
02 90 50 00-0349	EA		Respirator - With One Pair Cartridges.....	39.65	
02 90 50 00-0350	PR		Safety Glasses.....	3.79	
02 90 50 00-0351	EA		Safety Harness (Per Person/Day).....	5.85	

02 90 50 00-0352 Emergency Clean-up Expendables (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0353 General Materials (02 90 50 00-0352)

02 90 50 00-0354	GAL		Adhesive Remover.....	87.70	
02 90 50 00-0355	GAL		Bio-HS.....	24.92	
02 90 50 00-0356	GAL		Biocide.....	31.79	
02 90 50 00-0357	EA		Box - Book.....	4.62	
02 90 50 00-0358	EA		Box - Large.....	7.60	
02 90 50 00-0359	GAL		Bleach.....	4.09	
02 90 50 00-0360	EA		Brush - Stainless - Small.....	5.59	
02 90 50 00-0361	EA		Buckets - 2 1/2 Gal.....	6.17	
02 90 50 00-0362	EA		Buckets - 5 Gallon.....	9.35	
02 90 50 00-0363	GAL		Carpet Defoamer.....	24.06	
02 90 50 00-0364	GAL		Carpet Pre-treat.....	23.12	
02 90 50 00-0365	GAL		Carpet Spotter.....	34.92	
02 90 50 00-0366	GAL		Carpet/Upholstery Cleaner.....	31.41	
02 90 50 00-0367	ROL		Carpet Masking/Shield.....	77.17	
02 90 50 00-0368	EA		Chem Sponge.....	3.45	
02 90 50 00-0369	GAL		Clear Seal.....	87.70	
02 90 50 00-0370	GAL		Coil Cleaner.....	28.06	
02 90 50 00-0371	EA		Comfort Masks, Per Box 50.....	34.67	
02 90 50 00-0372	EA		Coverall - Bio-Hazard.....	24.39	
02 90 50 00-0373	EA		Decon Chamber.....	239.71	
02 90 50 00-0374	GAL		Degreaser, All Purpose.....	32.74	
02 90 50 00-0375	GAL		De-Foamer Liquid.....	35.08	
02 90 50 00-0376	EA		Deodorization Membrane.....	83.79	
02 90 50 00-0377	GAL		Deodorizer, 9D9.....	90.33	
02 90 50 00-0378	LB		Deodorizing Gel.....	15.20	
02 90 50 00-0379	GAL		Deodorizing Liquid.....	44.43	
02 90 50 00-0380	PAIL		Deodorizing Block.....	52.62	
02 90 50 00-0381	GAL		Disinfectant/Antimicrobial.....	56.71	
02 90 50 00-0382	GAL		Disinfectant, BruClean.....	28.06	
02 90 50 00-0383	GAL		Dryclene.....	34.92	
02 90 50 00-0384	GAL		Duct Sealant Spray.....	52.62	
02 90 50 00-0385	GAL		Duct Sealant, Antifungal.....	76.00	
02 90 50 00-0386	GAL		Microbial Encapsulant (Fosters 20 - 40).....	108.16	
02 90 50 00-0387	PR		Ear Plugs.....	0.47	
02 90 50 00-0388	GAL		Encapsulant.....	107.42	
02 90 50 00-0389	GAL		Fiberlocke - Aftershock.....	95.40	
02 90 50 00-0390	GAL		Fiberlocke - IAQ 2500.....	90.25	
02 90 50 00-0391	GAL		Fiberlocke - IAS 6000.....	92.82	
02 90 50 00-0392	ROL		Filter Material.....	76.00	
02 90 50 00-0393	EA		Filter, Blue Paper Collection Bag.....	5.79	
02 90 50 00-0394	EA		Filter, CVAC For HEPA Vacuum.....	263.38	
02 90 50 00-0395	EA		Filter, Pre-Filter For Negative Air Machine.....	4.50	
02 90 50 00-0396	EA		Filter, Pleated For Negative Air Machine.....	7.02	
02 90 50 00-0397	EA		Filter, Charcoal For Negative Air Machine.....	34.96	
02 90 50 00-0398	EA		Filter, HEPA For Negative Air Machine.....	222.75	
02 90 50 00-0399	EA		Filter, Pleated For Dehumidifiers.....	8.77	
02 90 50 00-0400	GAL		Floor Stripper.....	16.37	
02 90 50 00-0401	GAL		Floor Wax.....	23.39	
02 90 50 00-0402	GAL		Fogger (Thermal).....	92.37	
02 90 50 00-0403	BOX		Furniture Blocks.....	116.93	
02 90 50 00-0404	EA		Furniture Polish, Per Can.....	12.86	
02 90 50 00-0405	GAL		Glass Cleaner.....	19.88	
02 90 50 00-0406	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles.....	14.27	
02 90 50 00-0407	EA		Goof Off Spray, 12 Oz.....	8.19	
02 90 50 00-0408	EA		Halogen Light Bulbs.....	16.70	
02 90 50 00-0409	QT		Hand Sanitizer.....	8.26	
02 90 50 00-0410	EA		Hard Hats.....	6.80	
02 90 50 00-0411	BOX		Hog Rings, Box Of 2,500.....	16.95	
02 90 50 00-0412	GAL		HVAC Coal Cleaner.....	38.59	
02 90 50 00-0413	BOX		Inventory Tag, Box Of 1,000.....	105.24	
02 90 50 00-0414	EA		Knives - Utility.....	12.86	
02 90 50 00-0415	ROL		Lay Flat Tubing, 13" (250' Roll).....	64.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0416 ROL Lay Flat Tubing, 20" (250' Roll).....	98.22	
02 90 50 00-0417 ROL Lay Flat Tubing, 29" (250' Roll).....	167.21	
02 90 50 00-0418 ROL Lay Flat Tubing, 39" (250' Roll).....	273.62	
02 90 50 00-0419 GAL Lemon Oil	46.77	
02 90 50 00-0420 GAL LPS 1/Mecca Lube	42.49	
02 90 50 00-0421 GAL LPS 2	44.97	
02 90 50 00-0422 GAL LPS Contact Cleaner	44.76	
02 90 50 00-0423 GAL Lubricant, Preserver (Light)	38.59	
02 90 50 00-0424 GAL Lubricant, Preserver (Heavy).....	23.39	
02 90 50 00-0425 GAL Machinery Cleaning Solvent	52.62	
02 90 50 00-0426 GAL Metal Polishing Paste	11.69	
02 90 50 00-0427 GAL Microban.....	47.26	
02 90 50 00-0428 GAL Milgo	58.01	
02 90 50 00-0429 EA Mop Heads	6.84	
02 90 50 00-0430 EA Nylon Scouring Pads	1.29	
02 90 50 00-0431 GAL Odor Neutralizer	52.09	
02 90 50 00-0432 EA Packing Paper, 25 LB Bundle.....	30.99	
02 90 50 00-0433 EA Paint Brushes	5.85	
02 90 50 00-0434 ROL Paper, Corrugated/Craft	102.90	
02 90 50 00-0435 EA Putty Knives.....	5.30	
02 90 50 00-0436 ROL Red Resin Paper, 200' Roll.....	31.57	
02 90 50 00-0437 GAL Reodorant	99.39	
02 90 50 00-0438 EA Respirator - N95	4.64	
02 90 50 00-0439 EA Respirator - N95 w/valve.....	5.29	
02 90 50 00-0440 PR Respirator Cartridges - 3M.....	35.45	
02 90 50 00-0441 PR Respirator Cartridges -P100.....	35.45	
02 90 50 00-0442 EA Respirator Cleaning Wipes, Per Box 100	28.37	
02 90 50 00-0443 GAL Restoracide.....	46.62	
02 90 50 00-0444 GAL Rust Remover	81.85	
02 90 50 00-0445 EA Saltesmo Test Samples	7.60	
02 90 50 00-0446 EA Sand Bag, Excluding Sand	1.99	
02 90 50 00-0447 EA Scotch-Brite 7447, Per Box 50.....	37.97	
02 90 50 00-0448 EA Sm. Scrub Brushes.....	5.59	
02 90 50 00-0449 GAL Soot Sealant, Clear	45.60	
02 90 50 00-0450 GAL Soot Sealant, Pigmented	46.77	
02 90 50 00-0451 ROL Shrinkwrap Plastic	56.13	
02 90 50 00-0452 EA Sponges - Dry.....	2.48	
02 90 50 00-0453 EA Spray Adhesive, Per Can.....	5.26	
02 90 50 00-0454 EA Spray Bot./Trigger.....	4.51	
02 90 50 00-0455 GAL Stain Remover	28.06	
02 90 50 00-0456 GAL Stainless Steel Cleaner	43.26	
02 90 50 00-0457 EA Stainless Steel Polish, Per Can	15.20	
02 90 50 00-0458 LB Sweeping Compound	18.91	
02 90 50 00-0459 ROL Tape - Duct.....	7.89	
02 90 50 00-0460 ROL Tape - Environmental (Teal)	10.92	
02 90 50 00-0461 ROL Tape - HVAC (Aluminum)	25.72	
02 90 50 00-0462 ROL Tape - Blue Masking (Painters Tape)	10.97	
02 90 50 00-0463 ROL Tape - Poly Box	4.68	
02 90 50 00-0464 LB Terry Towels.....	6.02	
02 90 50 00-0465 GAL Thermal Fog	57.47	
02 90 50 00-0466 ROL Trash Bags - Lawn And Leaf	37.42	
02 90 50 00-0467 ROL Trash Bags - 6 Mil Heavy Duty (50 Count)	103.48	
02 90 50 00-0468 EA Trisodium Phosphaste, 20 LB Pail.....	42.67	
02 90 50 00-0469 EA Vacuum Bags - Backpack.....	1.44	
02 90 50 00-0470 EA Vacuum Bags - Upright.....	1.92	
02 90 50 00-0471 GAL Vinyl And Leather Cleaner.....	93.54	
02 90 50 00-0472 ROL Visqueen 1 Mil	44.73	
02 90 50 00-0473 ROL Visqueen 4 Mil	91.79	
02 90 50 00-0474 ROL Visqueen 6 Mil	130.96	
02 90 50 00-0475 LB Wipes, Cotton Cloth.....	5.09	
02 90 50 00-0476 ROL 12" x 750', Wrap, Bubble / Anti-Static.....	73.67	
02 90 50 00-0477 EA Wyp-Alls, Case, 160 Wipes	38.59	
02 90 50 00-0478 EA Zip Wall Zippers.....	21.05	
02 90 50 00-0479	Technical/Electronics Restoration Materials	
<small>(02 90 50 00-0352)</small>		
02 90 50 00-0480 EA Brush - Brass.....	4.38	
02 90 50 00-0481 EA Brush - Natural Bristle 1"	1.40	
02 90 50 00-0482 EA Brush - Natural Bristle 1/2"	1.17	
02 90 50 00-0483 EA Brush - Natural Bristle 1/4"	0.99	
02 90 50 00-0484 EA Brush - Parts.....	6.08	
02 90 50 00-0485 EA Brush - Plastic.....	3.16	
02 90 50 00-0486 EA Brush - Wire Grout.....	5.85	
02 90 50 00-0487 EA Brushing Tool.....	14.62	
02 90 50 00-0488 EA Cleaning Swabs, Cotton	0.29	
02 90 50 00-0489 EA Cleaning Swabs, Foam Tip.....	0.35	
02 90 50 00-0490 EA Contact Restorer, Per Can.....	28.36	
02 90 50 00-0491 EA Contact Spray, Per Can	19.29	
02 90 50 00-0492 UNIT Corrosion Inhibitor Emitter - 1 CF	2.81	
02 90 50 00-0493 UNIT Corrosion Inhibitor Emitter - 5 CF	6.43	
02 90 50 00-0494 UNIT Corrosion Inhibitor Emitter - 10 CF	11.11	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0495 LB Cotton Cleaning Cloths	17.54	
02 90 50 00-0496 EA 12" x 17" Dust Cloths	0.26	
02 90 50 00-0497 EA 24" x 24" Dust Cloths	0.72	
02 90 50 00-0498 EA Deoxidizing Agent, Per Can	13.74	
02 90 50 00-0499 GAL Electronic Grade Detergent	21.05	
02 90 50 00-0500 SHT Inventory Labels	6.37	
02 90 50 00-0501 GAL Isopropyl Alcohol	29.23	
02 90 50 00-0502 EA Lubrication/Penetrating Oil, Per Can	6.43	
02 90 50 00-0503 GAL PC Board Detergent	80.10	
02 90 50 00-0504 GAL Rust Inhibitor, Regular Duty	31.57	
02 90 50 00-0505 GAL Rust Inhibitor - Moderate Duty	34.49	
02 90 50 00-0506 GAL Rust Inhibitor - Severe Duty	39.76	
02 90 50 00-0507 LB Wipes - Lint Free Cloths	8.19	
02 90 50 00-0508 EA Wire Marker Card	2.05	
02 90 50 00-0509 EA Steel Wool, 16 Pad Sleeve	7.02	
02 90 50 00-0510 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0511 SF Polyethylene Tarp On Roof	0.20	
02 90 50 00-0512 SF Temporary Plywood On Roof	1.25	
02 90 50 00-0513 SF Temporary Plywood On Wall Or Windows	1.60	
02 90 50 00-0514 Minimum Charges (02 90 50)		
02 90 50 00-0515 EA Minimum For Cleaning	99.39	
02 90 50 00-0516 EA Minimum For Water Extraction	116.93	
02 90 50 00-0517 EA Minimum For Carpet Cleaning	140.32	
02 90 50 00-0518 Document Restoration (02 90 50)		
02 90 50 00-0519 EA Book Rebinding, Each	72.46	
02 90 50 00-0520 EA Book Recasing, Each	36.22	
02 90 50 00-0521 EA Boxes-MCS, 1.2 CF	7.25	
02 90 50 00-0522 EA Boxes-MCS, 2.0 CF	9.39	
02 90 50 00-0523 EA Boxes Bankers	11.58	
02 90 50 00-0524 EA Boxes Standard Packout	4.33	
02 90 50 00-0525 EA Boxes X Ray	7.25	
02 90 50 00-0526 EA CD Scanning and Diagnostics, Each	7.25	
02 90 50 00-0527 EA Cleaning Antique Books, Each	217.37	
02 90 50 00-0528 EA Cleaning Catheter Roll, Per Roll	28.98	
02 90 50 00-0529 EA Cleaning CD And DVD, Per Disc	2.91	
02 90 50 00-0530 EA Cleaning Level 1 - Blue Prints, Each	2.91	
02 90 50 00-0531 CF Cleaning Level 1 - Document Per CF	89.87	
02 90 50 00-0532 EA Cleaning Level 1 - Linen, Each	2.91	
02 90 50 00-0533 EA Cleaning Level 1 - Mylar, Each	2.91	
02 90 50 00-0534 EA Cleaning Level 2 - Blue Print, Each	3.62	
02 90 50 00-0535 CF Cleaning Level 2 - Document Per CF	134.77	
02 90 50 00-0536 EA Cleaning Level 2 - Linen, Each	3.62	
02 90 50 00-0537 EA Cleaning Level 2 - Mylar, Each	3.62	
02 90 50 00-0538 EA Cleaning Level 3 - Blue Prints, Each	5.12	
02 90 50 00-0539 CF Cleaning Level 3 - Document Per CF	179.73	
02 90 50 00-0540 EA Cleaning Level 3 - Linen, Each	5.12	
02 90 50 00-0541 EA Cleaning Level 3 - Mylar, Each	5.12	
02 90 50 00-0542 EA Cleaning Level 4 - All Fire-Blue Print, Each	7.25	
02 90 50 00-0543 EA Cleaning Level 4 - All Fire-Linen, Each	7.25	
02 90 50 00-0544 EA Cleaning Level 4 - All Fire-Mylar, Each	7.25	
02 90 50 00-0545 CF Cleaning Level 4 - Light Fire-Documnt Per CF	224.62	
02 90 50 00-0546 EA Cleaning Level 5 - Severe Fire-Blue Print, Each	8.66	
02 90 50 00-0547 CF Cleaning Level 5 - Severe Fire-Documnt Per CF	449.26	
02 90 50 00-0548 EA Cleaning Level 5 - Severe Fire-Linen, Each	8.66	
02 90 50 00-0549 EA Cleaning Level 5 - Severe Fire-Mylar, Each	8.66	
02 90 50 00-0550 EA Cleaning Microfiche Sheets, Each	2.91	
02 90 50 00-0551 EA Cleaning Microfiche Strips, Each	0.74	
02 90 50 00-0552 EA Cleaning Microfilm Rolls (In House), Per Roll	72.46	
02 90 50 00-0553 EA Cleaning Microfilm Rolls (Outside), Per Roll	101.45	
02 90 50 00-0554 EA Cleaning Photographs Negatives, Per Negative	0.74	
02 90 50 00-0555 EA Cleaning Photographs, Each	2.91	
02 90 50 00-0556 EA Cleaning Record Albums, Each	2.91	
02 90 50 00-0557 EA Cleaning VHS And Beta Tapes-In House, Each	7.25	
02 90 50 00-0558 EA Cleaning VHS And Beta Tapes-Outside, Each	28.98	
02 90 50 00-0559 EA Cleaning X Ray 1-1000, Per Film	4.33	
02 90 50 00-0560 EA Cleaning X Ray 1K-5K, Per Film	3.62	
02 90 50 00-0561 EA Cleaning X Ray 5K-Up, Per Film	2.91	
02 90 50 00-0562 EA Copying Clean Water, Per Page	0.43	
02 90 50 00-0563 EA Copying Greywater Fire, Per Page	0.78	
02 90 50 00-0564 EA Deodorization, Vapor Tech, Per Cube	7.25	
02 90 50 00-0565 EA Disinfectant-Fogging, Per Cube	10.16	
02 90 50 00-0566 EA Document Disposal In House No Shredding	23.21	
02 90 50 00-0567 EA Document Disposal In House With Shredding	39.97	
02 90 50 00-0568 EA Drying-MCS Center 1-50 Cubes	130.42	
02 90 50 00-0569 EA Drying-MCS Center 151-500 Cubes	101.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0570 EA Drying-MCS Center 500 And Up.....	86.95	
02 90 50 00-0571 EA Drying-MCS Center 51-150 Cubes.....	115.94	
02 90 50 00-0572 EA Drying-Onsite 1-500 Cubes.....	217.37	
02 90 50 00-0573 EA Drying-Onsite 501- Up Cube.....	133.35	
02 90 50 00-0574 EA Drying Antique Books, Each.....	28.98	
02 90 50 00-0575 EA Drying Blue Prints, Each.....	3.62	
02 90 50 00-0576 EA DVD Scanning And Diagnostics, Each.....	7.25	
02 90 50 00-0577 EA Freeze Drying (In House).....	101.45	
02 90 50 00-0578 EA Freeze Drying (Outside).....	133.35	
02 90 50 00-0579 EA Irradiation - Gamma 0-48 Cubes (minimum charge).....	1,546.98	
02 90 50 00-0580 EA Irradiation - Gamma 49-Up Cube (per cube charge).....	32.23	
02 90 50 00-0581 EA Linen Prints.....	7.25	
02 90 50 00-0582 EA Minimal Drying Jobs.....	709.04	
02 90 50 00-0583 EA Monthly Storage.....	72.46	
02 90 50 00-0584 EA Mylar Prints.....	7.25	
02 90 50 00-0585 EA Ozoning, Per Cube.....	7.25	
02 90 50 00-0586 MO Stabilization Freezer Storage, Per Cube-Per Month.....	10.16	
02 90 50 00-0587 MO Stabilization Freezer Storage, Per Page-Per Month.....	0.07	
02 90 50 00-0588 EA Wood Pallets, Each.....	36.22	

END OF SECTION 02

02

02 Existing Conditions

02 90 Disaster Recovery

02 90 50 Cleaning And Emergency Clean-up



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)
Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.03	
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-0.87	
	For >100, Deduct	-1.74	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.10	
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-0.87	
	For >100, Deduct	-1.75	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.38	
	For >10 To 50, Deduct	-0.44	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.79	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.07	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.06	
	For >100, Deduct	-2.12	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.12	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.06	
	For >100, Deduct	-2.13	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.14	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.06	
	For >100, Deduct	-2.13	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.34	
	For >10 To 50, Deduct	-0.52	
	For >50 To 100, Deduct	-1.07	
	For >100, Deduct	-2.14	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.00	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.03	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.04	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.04	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.12	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.04	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.33	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.05	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.64	
	For >10 To 50, Deduct	-0.74	
	For >50 To 100, Deduct	-1.53	
	For >100, Deduct	-3.07	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.60	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.89	
	For >100, Deduct	-3.78	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.66	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.89	
	For >100, Deduct	-3.79	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.80	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.79	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.07	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.90	
	For >100, Deduct	-3.81	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.34	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.91	
	For >100, Deduct	-3.82	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.47	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.93	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.30	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.01	
			<i>For >100, Deduct</i>	-4.02	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.80	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100, Deduct</i>	-4.52	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.86	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100, Deduct</i>	-4.52	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.19	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.58	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.03	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.29	
			<i>For >100, Deduct</i>	-4.58	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.73	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100, Deduct</i>	-4.66	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.00	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.56	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100, Deduct</i>	-4.91	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.17	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100, Deduct</i>	-5.17	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.51	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.62	
			<i>For >100, Deduct</i>	-5.23	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.30	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100, Deduct</i>	-5.32	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.08	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-3.30	
			<i>For >100, Deduct</i>	-6.61	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.62	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-3.37	
			<i>For >100, Deduct</i>	-6.73	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.13	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-3.43	
			<i>For >100, Deduct</i>	-6.86	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	52.08	
			<i>For >10 To 50, Deduct</i>	-1.96	
			<i>For >50 To 100, Deduct</i>	-4.25	
			<i>For >100, Deduct</i>	-8.50	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	53.89	
			<i>For >10 To 50, Deduct</i>	-1.96	
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100, Deduct</i>	-8.59	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.54	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.76	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.12	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.04	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.17	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.22	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.18	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.36	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.19	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.38	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.24	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.19	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100, Deduct</i>	-3.14	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.54	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.75	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100, Deduct</i>	-3.17	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.66	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100, Deduct</i>	-3.22	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.07	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.29	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.05	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-4.01	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.96	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.03	
<i>For >100, Deduct</i>	-4.05	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.94	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100, Deduct</i>	-4.10	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.24	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.08	
<i>For >100, Deduct</i>	-4.17	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.98	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100, Deduct</i>	-4.45	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.88	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.73	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100, Deduct</i>	-4.86	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.30	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.47	
<i>For >100, Deduct</i>	-4.94	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.50	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.48	
<i>For >100, Deduct</i>	-4.95	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.97	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.51	
<i>For >100, Deduct</i>	-5.03	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.81	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.61	
<i>For >100, Deduct</i>	-5.22	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.23	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.49	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	45.10	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.91	
			<i>For >100, Deduct</i>	-5.81	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	64.21	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-3.91	
			<i>For >100, Deduct</i>	-7.81	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	72.23	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-4.11	
			<i>For >100, Deduct</i>	-8.22	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.72	
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.20	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.64	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.96	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.05	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.58	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.30	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.66	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.61	
			<i>For >100, Deduct</i>	-3.22	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.55	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.26	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.17	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100, Deduct</i>	-3.34	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.57	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.36	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.02	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.26	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.50	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.14	
			<i>For >100, Deduct</i>	-4.28	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.83	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.56	
			<i>For >100, Deduct</i>	-5.12	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.85	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100, Deduct</i>	-5.22	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.73	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA			1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	18.48	
				<i>For >10 To 50, Deduct</i>	-0.74	
				<i>For >50 To 100, Deduct</i>	-1.58	
				<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0086	EA			1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	19.22	
				<i>For >10 To 50, Deduct</i>	-0.74	
				<i>For >50 To 100, Deduct</i>	-1.60	
				<i>For >100, Deduct</i>	-3.19	
05 05 19 00-0087	EA			1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	19.61	
				<i>For >10 To 50, Deduct</i>	-0.74	
				<i>For >50 To 100, Deduct</i>	-1.61	
				<i>For >100, Deduct</i>	-3.21	
05 05 19 00-0088	EA			5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.75	
				<i>For >10 To 50, Deduct</i>	-0.92	
				<i>For >50 To 100, Deduct</i>	-1.97	
				<i>For >100, Deduct</i>	-3.94	
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	22.85	
				<i>For >10 To 50, Deduct</i>	-0.92	
				<i>For >50 To 100, Deduct</i>	-1.95	
				<i>For >100, Deduct</i>	-3.90	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	30.24	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.39	
				<i>For >100, Deduct</i>	-4.79	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.07	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.42	
				<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.12	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.52	
				<i>For >100, Deduct</i>	-5.03	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	39.32	
				<i>For >10 To 50, Deduct</i>	-1.53	
				<i>For >50 To 100, Deduct</i>	-3.28	
				<i>For >100, Deduct</i>	-6.57	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	41.65	
				<i>For >10 To 50, Deduct</i>	-1.53	
				<i>For >50 To 100, Deduct</i>	-3.34	
				<i>For >100, Deduct</i>	-6.69	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	43.97	
				<i>For >10 To 50, Deduct</i>	-1.53	
				<i>For >50 To 100, Deduct</i>	-3.40	
				<i>For >100, Deduct</i>	-6.80	
05 05 19 00-0096				Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097				Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0086)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.11	
				<i>For >10 To 50, Deduct</i>	-0.44	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.20	
				<i>For >10 To 50, Deduct</i>	-0.44	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.32	
				<i>For >10 To 50, Deduct</i>	-0.44	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.60	
				<i>For >10 To 50, Deduct</i>	-0.46	
				<i>For >50 To 100, Deduct</i>	-0.93	
				<i>For >100, Deduct</i>	-1.87	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.69	
				<i>For >10 To 50, Deduct</i>	-0.46	
				<i>For >50 To 100, Deduct</i>	-0.94	
				<i>For >100, Deduct</i>	-1.87	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.87	
				<i>For >10 To 50, Deduct</i>	-0.52	
				<i>For >50 To 100, Deduct</i>	-1.06	
				<i>For >100, Deduct</i>	-2.11	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.03	
				<i>For >10 To 50, Deduct</i>	-0.52	
				<i>For >50 To 100, Deduct</i>	-1.06	
				<i>For >100, Deduct</i>	-2.12	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.18	
				<i>For >10 To 50, Deduct</i>	-0.52	
				<i>For >50 To 100, Deduct</i>	-1.06	
				<i>For >100, Deduct</i>	-2.13	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.63	
				<i>For >10 To 50, Deduct</i>	-0.74	
				<i>For >50 To 100, Deduct</i>	-1.51	
				<i>For >100, Deduct</i>	-3.01	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.83	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.02	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.01	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.03	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.22	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	19.54	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.73	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	19.85	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.75	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.08	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100, Deduct</i>	-3.76	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.75	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.79	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.81	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.47	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.39	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100, Deduct</i>	-4.50	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.91	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100, Deduct</i>	-4.52	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.74	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	9.95	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.82	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	12.63	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.49	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.56	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.11	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.62	
			<i>For >100, Deduct</i>	-3.24	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	26.80	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100, Deduct</i>	-4.09	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.58	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.80	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	9.74	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.19	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.86	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	11.60	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	12.11	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.17	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	12.50	
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.19	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.89	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100, Deduct</i>	-3.08	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	17.19	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	18.08	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.57	
<i>For >100, Deduct</i>	-3.13	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	19.23	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100, Deduct</i>	-3.19	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	22.20	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.93	
<i>For >100, Deduct</i>	-3.86	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	23.26	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100, Deduct</i>	-3.92	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	24.20	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	28.24	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.34	
<i>For >100, Deduct</i>	-4.69	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	29.23	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.37	
<i>For >100, Deduct</i>	-4.74	
05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	12.66	
<i>For >10 To 50, Deduct</i>	-0.61	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.47	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	15.48	
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.01	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	18.77	
<i>For >10 To 50, Deduct</i>	-0.88	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100, Deduct</i>	-3.58	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	21.20	
<i>For >10 To 50, Deduct</i>	-0.97	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100, Deduct</i>	-3.96	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.19	
<i>For >10 To 50, Deduct</i>	-1.10	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	14.42	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	18.84	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	23.14	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	28.23	
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.16	
			<i>For >100, Deduct</i>	-4.31	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	37.28	
			<i>For >10 To 50, Deduct</i>	-1.10	
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100, Deduct</i>	-5.16	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	9.25	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	9.87	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.88	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.15	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.13	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	16.22	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	22.07	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100, Deduct</i>	-3.86	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	26.57	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.30	
			<i>For >100, Deduct</i>	-4.61	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	9.29	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.06	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.12	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.46	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	16.20	
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	21.44	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.83	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	24.28	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100, Deduct</i>	-4.49	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	11.55	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.03	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	13.30	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.25	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	16.52	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.40	
<i>For >100, Deduct</i>	-2.80	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	19.26	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100, Deduct</i>	-3.19	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	20.26	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100, Deduct</i>	-3.24	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	25.05	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-4.01	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	32.22	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.44	
<i>For >100, Deduct</i>	-4.89	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	37.83	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.72	
<i>For >100, Deduct</i>	-5.44	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	51.41	
<i>For >10 To 50, Deduct</i>	-1.53	
<i>For >50 To 100, Deduct</i>	-3.59	
<i>For >100, Deduct</i>	-7.17	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	72.94	
<i>For >10 To 50, Deduct</i>	-1.93	
<i>For >50 To 100, Deduct</i>	-4.73	
<i>For >100, Deduct</i>	-9.45	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod	9.90	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	10.85	
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100, Deduct</i>	-2.13	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.58	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.42	
<i>For >10 To 50, Deduct</i>	-0.74	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.00	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.69	
<i>For >10 To 50, Deduct</i>	-0.92	
<i>For >50 To 100, Deduct</i>	-1.87	
<i>For >100, Deduct</i>	-3.74	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.18	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.24	
<i>For >100, Deduct</i>	-4.49	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	26.76	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.44	
<i>For >100, Deduct</i>	-4.89	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	35.33	
<i>For >10 To 50, Deduct</i>	-1.53	
<i>For >50 To 100, Deduct</i>	-3.18	
<i>For >100, Deduct</i>	-6.37	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	40.42	
<i>For >10 To 50, Deduct</i>	-1.73	
<i>For >50 To 100, Deduct</i>	-3.61	
<i>For >100, Deduct</i>	-7.22	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	46.14	
<i>For >10 To 50, Deduct</i>	-1.93	
<i>For >50 To 100, Deduct</i>	-4.06	
<i>For >100, Deduct</i>	-8.11	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	49.76	
			<i>For >10 To 50, Deduct</i>	-2.02	
			<i>For >50 To 100, Deduct</i>	-4.28	
			<i>For >100, Deduct</i>	-8.56	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	54.62	
			<i>For >10 To 50, Deduct</i>	-2.11	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100, Deduct</i>	-9.06	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	64.34	
			<i>For >10 To 50, Deduct</i>	-2.29	
			<i>For >50 To 100, Deduct</i>	-5.04	
			<i>For >100, Deduct</i>	-10.08	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	84.72	
			<i>For >10 To 50, Deduct</i>	-2.37	
			<i>For >50 To 100, Deduct</i>	-5.68	
			<i>For >100, Deduct</i>	-11.36	
05 05 19 00-0196			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	3.46	
			<i>For >10 To 50, Deduct</i>	-0.17	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100, Deduct</i>	-0.67	
05 05 19 00-0198			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199			Tapcon Masonry Screws (05 05 19 00-0198)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	8.98	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	9.03	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0202	EA		3/16" x 3-1/4" Tapcon Masonry Screw.....	9.13	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0203	EA		1/4" x 1-1/4" Tapcon Masonry Screw.....	9.03	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0204	EA		1/4" x 2-1/4" Tapcon Masonry Screw.....	9.09	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0205	EA		1/4" x 3-1/4" Tapcon Masonry Screw.....	9.22	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0206			Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA		3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	9.46	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.79	
05 05 19 00-0208	EA		3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	9.70	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.80	
05 05 19 00-0209	EA		3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	9.77	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.81	
05 05 19 00-0210	EA		3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.88	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.81	
05 05 19 00-0211	EA		3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.98	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.82	
05 05 19 00-0212	EA		1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.19	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0213	EA		1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.45	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA		1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	10.69	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0215	EA		1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.35	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.89	
05 05 19 00-0216	EA		5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	11.43	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.89	
05 05 19 00-0217	EA		5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	11.84	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0218	EA		5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	12.26	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0219	EA		5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	12.53	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0220	EA		3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.41	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0221	EA		3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.79	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0222	EA		3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	13.70	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.00	
05 05 19 00-0223			Pin Bolt Drives <small>(05 05 19 00-0199)</small>		
			Note: Includes drilling. Zinc plated.		
05 05 19 00-0224	EA		1/4" x 1" Pin Bolt Drive.....	5.55	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100, Deduct</i>	-1.07	
05 05 19 00-0225	EA		1/4" x 1-1/4" Pin Bolt Drive.....	5.55	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100, Deduct</i>	-1.07	
05 05 19 00-0226	EA		1/4" x 1-1/2" Pin Bolt Drive.....	5.59	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.54	
			<i>For >100, Deduct</i>	-1.07	
05 05 19 00-0227	EA		1/4" x 2" Pin Bolt Drive.....	5.60	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.54	
			<i>For >100, Deduct</i>	-1.07	
05 05 19 00-0228			Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229	EA		1/4" Diameter Threaded Stud Powder Actuated Anchor.....	12.65	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 19 00-0230	EA		3/8" Diameter Threaded Stud Powder Actuated Anchor.....	15.56	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.02	
05 05 23			Metal Fastenings <small>(05 05 23)</small>		
05 05 23 00-0001			Hex Bolts <small>(05 05 23)</small>		
			Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0156 for drilling into concrete, 02 41 19 13-0166 for drilling into brick or block, 02 41 19 13-0176 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002			A307B Heavy Hex Bolts <small>(05 05 23 00-0001)</small>		
			Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003			Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	10.43	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.87	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	11.25	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.27	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	13.30	1.24
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.21	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.64	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.99	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	15.00	1.24
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.34	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.53	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	19.63	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.68	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.86	1.17
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.21	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.62	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.49	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.36	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.71	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.88	1.43
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.51	1.61
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100, Deduct</i>	-3.64	
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.38	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	10.84	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	11.52	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.93	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	12.26	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.29	1.24
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.26	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	13.76	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.04	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	17.07	1.24
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100, Deduct</i>	-2.40	
05 05 23 00-0025	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	21.92	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	25.41	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100, Deduct</i>	-2.97	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	17.80	1.17
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.36	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	20.93	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	24.63	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.93	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	35.63	1.43
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.57	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	35.98	1.61
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100, Deduct</i>	-3.81	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	44.40	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100, Deduct</i>	-4.38	
05 05 23 00-0033 A325 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.24	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.93	
<i>For >100, Deduct</i>	-1.87	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.42	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.87	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.00	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.32	1.24
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.21	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.15	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.80	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	14.17	1.24
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.25	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.91	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.41	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.12	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.65	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.54	1.17
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100, Deduct</i>	-2.14	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.22	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.29	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0047 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.74	1.43
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.77	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.82	1.22
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.61	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.12	1.43
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.18	1.52
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100, Deduct</i>	-3.16	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	24.17	1.52
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.19	1.61
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-3.37	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.58	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.74	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	36.73	1.84
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.14	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	10.61	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	10.73	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.89	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.76	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.86	1.24
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	14.63	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100, Deduct</i>	-2.35	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	12.15	1.08
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	14.61	1.24
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	16.59	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100, Deduct</i>	-2.44	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.74	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100, Deduct</i>	-2.73	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.64	1.17
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.25	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.46	1.29
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100, Deduct</i>	-2.48	
05 05 23 00-0068	EA		7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.79	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	24.25	1.43
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.00	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.45	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.35	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.35	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.25	1.43
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.95	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	29.04	1.52
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.35	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	28.88	1.52
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.34	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	30.79	1.61
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.55	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.71	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.97	
<i>For >100, Deduct</i>	-3.94	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	41.04	1.84
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.35	
05 05 23 00-0078 A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	11.29	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.28	1.24
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100, Deduct</i>	-2.31	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.28	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.43	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.40	1.08
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	14.84	1.24
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.99	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	21.23	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.22	1.17
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.18	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	16.43	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.43	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	22.70	1.36
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.83	
05 05 23 00-0090 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	16.41	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.35	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0091 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.40	1.36
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.67	
05 05 23 00-0092 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	22.05	1.43
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.89	
05 05 23 00-0093 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	27.02	1.52
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.25	
05 05 23 00-0094 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	33.99	1.61
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.86	
For >100, Deduct	-3.71	
05 05 23 00-0095 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.82	1.72
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-3.95	
05 05 23 00-0096 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	37.46	1.84
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-2.09	
For >100, Deduct	-4.17	
05 05 23 00-0097 Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.55	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0101 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.57	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0102 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.61	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0103 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.64	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0104 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.70	
05 05 23 00-0105 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.70	
05 05 23 00-0106 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.70	
05 05 23 00-0107 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.08	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0108 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0109 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0110 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.44	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0111 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0112 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.64	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0113 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.05	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0114 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0115 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.59	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0118 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.61	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0119 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0120 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0121 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0122 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0123 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0124 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0125 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.31	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0126 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0128 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.57	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0129 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.96	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.64	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.71	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.15	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.58	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.85	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.96	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.17	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.65	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.73	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.11	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.40	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.77	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.12	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.21	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.96	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.19	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.80	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.83	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.96	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0196	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.73	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.79	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.19	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.16	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.81	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.31	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.61	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.15	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.33	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.57	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.08	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.58	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.64	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.84	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.20	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.17	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.16	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.67	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.33	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0260 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.84	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0261 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.34	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.98	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.51	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.00	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.52	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.18	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.65	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.79	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.45	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.93	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.25	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.80	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.52	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.06	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.64	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.25	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.90	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.47	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.04	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0087)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.59	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.61	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0289 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.64	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0290 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.69	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0291 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.90	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0292 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0293 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.08	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0294 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.31	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0295 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.51	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0297 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.74	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0298 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.82	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0299 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0300 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0301 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0302 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.37	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0303			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.64	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.66	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.70	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0307	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.76	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0308	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.97	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0309	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.06	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0310	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.20	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.44	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.55	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.66	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.02	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.06	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.20	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.55	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0318	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.75	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0319	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.94	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0320			3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.67	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0322	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.69	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0323	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.76	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.06	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.57	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.00	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.33	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.46	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.68	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.02	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.32	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.56	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.60	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.66	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.81	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.09	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.31	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.20	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.69	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.94	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.27	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.45	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.62	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.68	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.76	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.85	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.29	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.43	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.72	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.18	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.21	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.68	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.86	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.32	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.90	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.26	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.89	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.35	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.00	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.24	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.93	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.22	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.53	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.72	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.92	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.32	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.14	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.34	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.73	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.95	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.70	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.79	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0387 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.09	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.07	
05 05 23 00-0388 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.61	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.07	
05 05 23 00-0389 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.25	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0390 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.44	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.62	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.09	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.87	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.92	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.97	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.27	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.52	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.74	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.14	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.80	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.07	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.45	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.04	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.74	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.23	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.34	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.00	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.96	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.30	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.42	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.52	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.58	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.94	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.22	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.73	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.11	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.53	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.05	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.93	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.47	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.77	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.71	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.98	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.86	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.08	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0433			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.90	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.02	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.19	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.52	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.02	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.35	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.75	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.34	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.78	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.14	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.51	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.08	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.81	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.50	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.54	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.70	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.38	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.95	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.53	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.04	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.58	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.06	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.41	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.02	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.59	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.40	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.14	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.31	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.45	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.34	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.56	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.90	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.96	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.26	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.10	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471	EA		1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.67	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0472			Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473			1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474	EA		1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.60	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0475	EA		1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0476	EA		1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.69	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0477	EA		1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.75	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0478	EA		1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.95	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0479	EA		1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.02	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0480	EA		1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.08	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0481	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.25	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0482	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.44	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0483	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.61	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0484	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.85	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.95	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.55	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.66	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0490			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.65	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.68	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493	EA			5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....5.80 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0494	EA			5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.82 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0495	EA			5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.04 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.41 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0496	EA			5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.21 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.41 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0497	EA			5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.26 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.41 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0498	EA			5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.51 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.74		
05 05 23 00-0499	EA			5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.62 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.74		
05 05 23 00-0500	EA			5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.86 <i>For >100 To 250, Deduct</i> -1.16 <i>For >250 To 500, Deduct</i> -1.45 <i>For >500, Deduct</i> -1.74		
05 05 23 00-0501	EA			5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....7.15 <i>For >100 To 250, Deduct</i> -1.19 <i>For >250 To 500, Deduct</i> -1.49 <i>For >500, Deduct</i> -1.79		
05 05 23 00-0502	EA			5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....7.24 <i>For >100 To 250, Deduct</i> -1.19 <i>For >250 To 500, Deduct</i> -1.49 <i>For >500, Deduct</i> -1.79		
05 05 23 00-0503	EA			5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....7.38 <i>For >100 To 250, Deduct</i> -1.19 <i>For >250 To 500, Deduct</i> -1.49 <i>For >500, Deduct</i> -1.79		
05 05 23 00-0504	EA			5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....7.65 <i>For >100 To 250, Deduct</i> -1.23 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0505	EA			5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....7.76 <i>For >100 To 250, Deduct</i> -1.23 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0506	EA			5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....7.96 <i>For >100 To 250, Deduct</i> -1.23 <i>For >250 To 500, Deduct</i> -1.53 <i>For >500, Deduct</i> -1.84		
05 05 23 00-0507				3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0508	EA			3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.77 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0509	EA			3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.78 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0510	EA			3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....5.79 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0511	EA			3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.92 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.37 <i>For >500, Deduct</i> -1.65		
05 05 23 00-0512	EA			3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.16 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.41 <i>For >500, Deduct</i> -1.70		
05 05 23 00-0513	EA			3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.29 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.41 <i>For >500, Deduct</i> -1.70		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.41	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.50	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.23	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.57	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.91	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.68	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0524			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.69	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.71	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.91	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.45	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.64	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.15	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.56	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.98	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.12	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.82	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.97	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.32	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.49	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.86	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.50	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.55	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.99	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.53	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.72	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.26	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.31	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.70	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.90	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.87	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.96	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.05	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.26	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.73	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.80	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.11	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.48	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.48	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.68	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.98	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.42	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.06	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.15	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.53	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.11	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.06	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.16	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.39	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.88	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.16	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.31	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.58	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.07	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.29	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.67	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.91	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.39	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.71	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.26	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.49	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.63	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.72	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.80	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.81	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0598	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.68	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0599	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.75	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0600	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.05	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0601	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.25	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0602	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.84	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0603	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.25	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0604	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.30	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0605	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.11	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0606	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.55	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0607	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.97	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0608	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.76	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0609	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.88	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0610	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.30	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0611	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.51	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0612	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.70	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0613	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.46	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.01	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.22	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0616			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.79	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.05	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.60	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.38	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.47	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.80	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.68	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.16	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.43	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.13	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.96	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.72	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.60	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.36	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.12	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.34	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.53	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.98	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.18	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.64	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.13	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.04	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0641 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.44	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0642 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.23	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0643 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.28	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-0644 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.92	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0645 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.36	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0646 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.56	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-0647 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.06	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0648 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.54	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0649 EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.97	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0650 EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.45	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0651 EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.17	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0652 EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.06	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0653 EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.22	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0657 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.69	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0658 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.70	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0659 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-1.65	
05 05 23 00-0660 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.46	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.76	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.25	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.62	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.90	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.47	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.70	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.73	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.20	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>					
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.70	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.82	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0704 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0705 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0654)</small>		
05 05 23 00-0707 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.88	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.01	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0654)</small>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.75	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.40	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.01	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0731	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0732	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0733	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0734	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0735	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.43	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.86	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0740	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0741	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0742	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0743	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0744	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.33	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.41	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.57	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.32	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.69	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.88	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.09	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.65	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.49	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.79	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.28	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0775	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.52	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0776	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.65	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0777	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0778			7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.68	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0780	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0781	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0782	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0783	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0784	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0785	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.61	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0786	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.40	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.69	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.00	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.49	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.03	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.16	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.46	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.76	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.14	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.49	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0854)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.56	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.32	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.79	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.99	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.57	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.04	
<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.78	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.00	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.99	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.50	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.52	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.36	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.18	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.59	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.26	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.76	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.52	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.63	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.68	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.75	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.82	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.06	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.17	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.30	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.55	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.71	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.85	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.12	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.36	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.24	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.81	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.94	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.27	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.73	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.78	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.88	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.96	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.27	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.33	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.59	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.94	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.24	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.39	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.00	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.75	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.46	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.40	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.86	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.92	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.08	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.29	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.55	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.71	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.93	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.29	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.54	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.11	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.32	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.78	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.18	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.32	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.31	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.17	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.24	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.50	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.82	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.14	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.66	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.68	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.94	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.93	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.87	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.00	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.27	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	7.16	
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.16	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.24	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.65	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.35	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.56	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.14	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.12	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.55	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.99	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.49	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.39	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.69	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.07	
05 05 23 00-0894 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.17	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.07	
05 05 23 00-0895 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.62	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0896 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.81	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0897 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.12	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0898 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.42	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0900 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.32	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-1.88	
05 05 23 00-0901 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.18	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-1.88	
05 05 23 00-0902 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-1.88	
05 05 23 00-0903 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.14	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0904 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.67	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0905 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.60	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-1.93	
05 05 23 00-0906 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.13	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0907 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.34	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0908 EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.30	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-1.98	
05 05 23 00-0909 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.37	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.03	
05 05 23 00-0910 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.43	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.03	
05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0912 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.67	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0913 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.87	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.68	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.98	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.37	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.92	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.78	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.79	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.41	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.91	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.48	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.53	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.82	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.17	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.04	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.58	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.03	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.03	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.56	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.95	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.45	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.16	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.71	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.65	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.36	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.24	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.93	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.21	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.80	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.61	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.13	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.26	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.34	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.63	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.39	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.66	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0948 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.10	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0949 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.28	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0950 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.18	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.74	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0953 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.70	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0954 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-0955 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.56	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956	EA			7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.88	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0957	EA			7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.83	
				<i>For >100 To 250, Deduct</i>	-1.63	
				<i>For >250 To 500, Deduct</i>	-2.04	
				<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0958	EA			7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.14	
				<i>For >100 To 250, Deduct</i>	-1.63	
				<i>For >250 To 500, Deduct</i>	-2.04	
				<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0959	EA			7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.25	
				<i>For >100 To 250, Deduct</i>	-1.63	
				<i>For >250 To 500, Deduct</i>	-2.04	
				<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0960	EA			7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.71	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.08	
				<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0961	EA			7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.52	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.08	
				<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0962	EA			7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	24.98	
				<i>For >100 To 250, Deduct</i>	-1.66	
				<i>For >250 To 500, Deduct</i>	-2.08	
				<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0963	EA			7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.86	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0964	EA			7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	28.86	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0965	EA			7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.47	
				<i>For >100 To 250, Deduct</i>	-1.70	
				<i>For >250 To 500, Deduct</i>	-2.12	
				<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0966	EA			7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	35.53	
				<i>For >100 To 250, Deduct</i>	-1.73	
				<i>For >250 To 500, Deduct</i>	-2.16	
				<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0967	EA			7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.45	
				<i>For >100 To 250, Deduct</i>	-1.73	
				<i>For >250 To 500, Deduct</i>	-2.16	
				<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0968	EA			7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	41.26	
				<i>For >100 To 250, Deduct</i>	-1.73	
				<i>For >250 To 500, Deduct</i>	-2.16	
				<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0969	EA			7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	43.07	
				<i>For >100 To 250, Deduct</i>	-1.73	
				<i>For >250 To 500, Deduct</i>	-2.16	
				<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0970				1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971	EA			1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.06	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0972	EA			1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.75	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0973	EA			1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.96	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0974	EA			1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.83	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0975	EA			1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.27	
				<i>For >100 To 250, Deduct</i>	-1.60	
				<i>For >250 To 500, Deduct</i>	-2.00	
				<i>For >500, Deduct</i>	-2.40	
05 05 23 00-0976	EA			1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.05	
				<i>For >100 To 250, Deduct</i>	-1.63	
				<i>For >250 To 500, Deduct</i>	-2.04	
				<i>For >500, Deduct</i>	-2.45	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.06	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.55	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.09	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.17	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.16	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.36	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.10	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.86	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.52	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.82	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.26	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.44	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0989			316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991	EA		1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.73	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0992	EA		1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.84	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0993	EA		1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.92	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0994	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.98	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0995	EA		1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.29	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0996	EA		1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.44	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0997	EA		1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.58	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0998	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.85	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.97	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1000 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.03	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1001 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.54	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1002 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	7.64	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1003 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.30	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1004 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.90	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1005 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.67	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1006 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.89	
<i>For >100 To 250, Deduct</i>	-1.23	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1008 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.88	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.01	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.22	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.37	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.60	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.15	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.41	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1016 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.89	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1017 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.99	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1018 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.47	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1019 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.85	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-1.79	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.96	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	16.55	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1022			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.21	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	6.26	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.46	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.37	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.25	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.73	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.95	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.21	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	8.38	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.10	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	9.78	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.81	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	11.71	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.53	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	17.57	
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1039			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.78	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.07	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	8.62	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.25	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.78	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.64	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.62	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	12.09	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.45	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	12.67	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.90	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	13.24	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)	7.76	
05 05 23 00-1054 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.08	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.52	
<i>For >100 To 250, Deduct</i>	-1.26	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.21	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.70	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.82	
<i>For >100 To 250, Deduct</i>	-1.29	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.18	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	11.12	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-1.98	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	13.02	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.31	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	13.61	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.97	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.70	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.72	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	20.41	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.02	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	27.90	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.38	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	29.11	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	15.66	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.69	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.16	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.26	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	24.30	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.35	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-1.93	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	27.79	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.48	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	30.98	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-1.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.57	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.89	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.15	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.24	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.27	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.02	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.63	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.56	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	14.12	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.81	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	16.40	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.65	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	18.13	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.09	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	22.31	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.69	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	24.07	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.46	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	26.64	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.22	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	38.18	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	12.50	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.71	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.51	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.38	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	15.88	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.74	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	18.76	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.52	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.94	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.65	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	21.61	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.57	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.26	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	29.01	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.33	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.84	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.99	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	40.04	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.46	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	41.53	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1126 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.04	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-1127 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.43	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-1128 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.36	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1129 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.30	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1130 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.17	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	
05 05 23 00-1131 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.09	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-1132 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.27	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-1133 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.92	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.45	
05 05 23 00-1134 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.14	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-1135 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	25.02	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-1136 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.42	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.50	
05 05 23 00-1137 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	35.86	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1138 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.37	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1139 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	41.10	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1140 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.52	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1141 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	45.02	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.52	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	48.20	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1145 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.10	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-1146 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.40	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.40	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	20.83	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.12	
			<i>For >100 To 250, Deduct</i>	-1.60	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.40	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	24.10	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.65	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	27.22	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500, Deduct</i>	-2.45	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.94	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	33.00	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.98	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	42.60	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.20	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	47.86	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.52	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	50.14	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.76	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	65.12	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1162			Screws <small>(05 05 23)</small>		
05 05 23 00-1163			Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small>		
			Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, TekS® 5 Self Drilling Screw	2.88	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100, Deduct</i>	-0.54	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, TekS® 5 Self Drilling Screw	2.97	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100, Deduct</i>	-0.54	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, TekS® 5 Self Drilling Screw	3.29	
			<i>For >10 To 50, Deduct</i>	-0.14	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100, Deduct</i>	-0.58	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, TekS® 5 Self Drilling Screw	4.42	
			<i>For >10 To 50, Deduct</i>	-0.17	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100, Deduct</i>	-0.74	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, TekS® 5 Self Drilling Screw	4.69	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100, Deduct</i>	-0.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.62	
<i>For >10 To 50, Deduct</i>	-0.19	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100, Deduct</i>	-0.86	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	6.21	
<i>For >10 To 50, Deduct</i>	-0.20	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100, Deduct</i>	-0.91	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.28	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.50	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.68	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.74	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.86	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.54	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.63	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.82	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.87	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.60	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.62	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.70	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.95	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.74	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.80	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.04	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.42	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.50	

05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
washers.		
05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1192 LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.59	0.43
For Left Hand Threaded Rod, Add	0.07	
05 05 23 00-1193 LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.05	0.47
For Left Hand Threaded Rod, Add	0.11	
05 05 23 00-1194 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.37	0.54
For Left Hand Threaded Rod, Add	0.13	
05 05 23 00-1195 LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.12	0.55
For Left Hand Threaded Rod, Add	0.20	
05 05 23 00-1196 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.20	0.57
For Left Hand Threaded Rod, Add	0.21	
05 05 23 00-1197 LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.91	0.58
For Left Hand Threaded Rod, Add	0.27	
05 05 23 00-1198 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.37	0.59
For Left Hand Threaded Rod, Add	0.32	
05 05 23 00-1199 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.00	0.61
For Left Hand Threaded Rod, Add	0.58	
05 05 23 00-1200 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.62	0.63
For Left Hand Threaded Rod, Add	0.64	
05 05 23 00-1201 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.36	0.71
For Left Hand Threaded Rod, Add	0.89	
05 05 23 00-1202 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.84	0.80
For Left Hand Threaded Rod, Add	1.13	
05 05 23 00-1203 LF 1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.96	0.87
For Left Hand Threaded Rod, Add	1.52	
05 05 23 00-1204 LF 1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.02	0.94
For Left Hand Threaded Rod, Add	1.92	
05 05 23 00-1205 LF 1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.07	0.98
For Left Hand Threaded Rod, Add	2.31	
05 05 23 00-1206 LF 1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.68	1.03
For Left Hand Threaded Rod, Add	2.86	
05 05 23 00-1207 LF 2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	39.08	1.08
For Left Hand Threaded Rod, Add	3.69	
05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1209 LF 1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.61	0.43
For Left Hand Threaded Rod, Add	0.07	
05 05 23 00-1210 LF 5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.29	0.47
For Left Hand Threaded Rod, Add	0.13	
05 05 23 00-1211 LF 3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.55	0.54
For Left Hand Threaded Rod, Add	0.15	
05 05 23 00-1212 LF 7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.57	0.55
For Left Hand Threaded Rod, Add	0.25	
05 05 23 00-1213 LF 1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.84	0.57
For Left Hand Threaded Rod, Add	0.27	
05 05 23 00-1214 LF 9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.95	0.58
For Left Hand Threaded Rod, Add	0.38	
05 05 23 00-1215 LF 5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.24	0.59
For Left Hand Threaded Rod, Add	0.41	
05 05 23 00-1216 LF 3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.75	0.61
For Left Hand Threaded Rod, Add	0.65	
05 05 23 00-1217 LF 7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.96	0.63
For Left Hand Threaded Rod, Add	0.87	
05 05 23 00-1218 LF 1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.31	0.71
For Left Hand Threaded Rod, Add	1.19	
05 05 23 00-1219 LF 1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.11	0.80
For Left Hand Threaded Rod, Add	1.55	
05 05 23 00-1220 LF 1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.40	0.87
For Left Hand Threaded Rod, Add	1.86	
05 05 23 00-1221 LF 1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.15	0.94
For Left Hand Threaded Rod, Add	2.13	
05 05 23 00-1222 LF 1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.06	0.98
For Left Hand Threaded Rod, Add	2.71	
05 05 23 00-1223 LF 1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.93	1.03
For Left Hand Threaded Rod, Add	3.39	
05 05 23 00-1224 LF 2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	52.23	1.08
For Left Hand Threaded Rod, Add	5.01	
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1226 LF 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.04	0.54
For Left Hand Threaded Rod, Add	0.30	
05 05 23 00-1227 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.58	0.57
For Left Hand Threaded Rod, Add	0.44	
05 05 23 00-1228 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.44	0.59
For Left Hand Threaded Rod, Add	0.63	
05 05 23 00-1229 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.12	0.61
For Left Hand Threaded Rod, Add	0.89	
05 05 23 00-1230 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.92	0.63
For Left Hand Threaded Rod, Add	1.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	17.91 1.65	0.71
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.48 2.19	0.80
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.81 2.90	0.87
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	34.41 3.25	0.94
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	40.89 3.89	0.98
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.62 4.76	1.03
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.28 8.41	1.08
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.00 0.11	0.43
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.89 0.19	0.47
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.66 0.26	0.54
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.95 0.38	0.55
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.89 0.47	0.57
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.30 0.71	0.58
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.65 0.75	0.59
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.96 1.07	0.61
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.32 1.51	0.63
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.87 1.94	0.71
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.74 4.20	0.87
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.34 6.44	0.98
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	68.26 6.62	1.03
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	94.21 9.21	1.08
05 05 23 00-1253 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.77 0.19	0.43
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.30 0.34	0.47
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.64 0.46	0.54
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.61 0.75	0.55
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.13 0.80	0.57
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.86 1.07	0.58
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.74 1.16	0.59
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	18.39 1.72	0.61
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	25.05 2.38	0.63
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.64 3.02	0.71
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	66.37 6.46	0.87
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	86.86 8.49	0.98
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	2.62 0.88	0.43
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	3.94 1.50	0.47
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.15 1.54	0.54
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.51 1.70	0.55

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.96 1.91	0.57
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.13 2.48	0.58
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.33 2.57	0.59
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	8.32 3.55	0.61
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.94 4.34	0.63
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	12.85 5.71	0.71
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.66 7.54	0.80
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	18.55 8.38	0.87
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	21.37 9.75	0.94
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.91 11.98	0.98
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	26.80 12.38	1.03
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	35.85 16.85	1.08

05 05 23 00-1283 Nuts And Washers (05 05 23)**05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)****05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.47	0.22
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.52	0.22
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.22
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.64	0.22
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.22
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.22
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.22
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.04	0.43
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.46	0.43
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.84	0.43
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.92	0.43
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.56	0.43
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.14	0.43
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.94	0.65
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.60	0.65
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.33	0.65

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.48	0.22
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.53	0.22
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.57	0.22
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.66	0.22
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.75	0.22
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.89	0.22
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.91	0.22
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.16	0.43
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.58	0.43
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.19	0.43
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.27	0.43
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.58	0.43
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.63	0.43
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.32	0.65
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.00	0.65
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.54	0.65

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.49	0.22
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.56	0.22
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.60	0.22
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.73	0.22
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.85	0.22
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.01	0.22
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.13	0.22
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.37	0.43
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.00	0.43
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.62	0.43
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.03	0.43
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.02	0.43
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.13	0.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.64	0.65
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.04	0.65
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.34	0.65
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.49	0.22
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.22
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.59	0.22
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.72	0.22
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.22
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.22
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.98	0.22
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.26	0.43
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.78	0.43
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.42	0.43
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.90	0.43
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.99	0.43
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.31	0.43
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.51	0.65
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.65	0.65
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.17	0.65
05 05 23 00-1353 304 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.52	0.22
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.61	0.22
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.67	0.22
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.93	0.22
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	1.00	0.22
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.44	0.22
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.58	0.22
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.80	0.43
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.83	0.43
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.27	0.43
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	10.00	0.43
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.98	0.65
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	33.13	0.65
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut	47.09	0.65
05 05 23 00-1368 316 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.59	0.22
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.66	0.22
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.77	0.22
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.17	0.22
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.25	0.22
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.65	0.22
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.84	0.22
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.50	0.43
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.40	0.43
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.18	0.43
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.35	0.43
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.68	0.65
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.44	0.65
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut	76.76	0.65
05 05 23 00-1383 Flat Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers <small>(05 05 23 00-1383)</small>		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers <small>(05 05 23 00-1383)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1402	EA		1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.10	
05 05 23 00-1403	EA		5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1404	EA		3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.16	
05 05 23 00-1405	EA		7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.21	
05 05 23 00-1406	EA		1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1407	EA		9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.47	
05 05 23 00-1408	EA		5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.67	
05 05 23 00-1409	EA		3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.94	
05 05 23 00-1410	EA		7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.58	
05 05 23 00-1411	EA		1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.75	
05 05 23 00-1412	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.54	
05 05 23 00-1413	EA		1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.78	
05 05 23 00-1414	EA		1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.66	
05 05 23 00-1415	EA		1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.18	
05 05 23 00-1416	EA		1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.62	
05 05 23 00-1417	EA		2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.75	
05 05 23 00-1418			Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1419	EA		1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.07	
05 05 23 00-1420	EA		5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1421	EA		3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1422	EA		7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.20	
05 05 23 00-1423	EA		1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.25	
05 05 23 00-1424	EA		9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.41	
05 05 23 00-1425	EA		5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.46	
05 05 23 00-1426	EA		3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.70	
05 05 23 00-1427	EA		7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.98	
05 05 23 00-1428	EA		1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.08	
05 05 23 00-1429	EA		1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.65	
05 05 23 00-1430	EA		1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.84	
05 05 23 00-1431	EA		1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.62	
05 05 23 00-1432	EA		1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.84	
05 05 23 00-1433	EA		1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.12	
05 05 23 00-1434			304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1435	EA		1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.07	
05 05 23 00-1436	EA		5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.09	
05 05 23 00-1437	EA		3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.13	
05 05 23 00-1438	EA		7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1439	EA		1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.45	
05 05 23 00-1440	EA		9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.56	
05 05 23 00-1441	EA		5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.82	
05 05 23 00-1442	EA		3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.84	
05 05 23 00-1443	EA		7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.77	
05 05 23 00-1444	EA		1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.24	
05 05 23 00-1445	EA		1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.61	
05 05 23 00-1446	EA		1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.81	
05 05 23 00-1447	EA		1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.97	
05 05 23 00-1448	EA		1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.62	
05 05 23 00-1449	EA		1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.50	
05 05 23 00-1450	EA		2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	8.84	
05 05 23 00-1451			316 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1452	EA		1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.14	
05 05 23 00-1453	EA		5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.15	
05 05 23 00-1454	EA		3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.27	
05 05 23 00-1455	EA		7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.32	
05 05 23 00-1456	EA		1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.58	
05 05 23 00-1457	EA		9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.05	
05 05 23 00-1458	EA		5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.24	
05 05 23 00-1459	EA		3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.56	
05 05 23 00-1460	EA		7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.42	
05 05 23 00-1461	EA		1" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.70	
05 05 23 00-1462	EA		1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.08	
05 05 23 00-1463	EA		1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.79	
05 05 23 00-1464	EA		1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.00	
05 05 23 00-1465	EA		1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.10	
05 05 23 00-1466	EA		1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.00	
05 05 23 00-1467			Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468			Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469	EA		1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.01	
05 05 23 00-1470	EA		5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1471	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1472	EA		7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.05	
05 05 23 00-1473	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.06	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.08	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.58	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.68	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.80	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.44	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.03	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.55	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.72	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.00	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.20	
05 05 23 00-1517 316 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.07	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.16	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.68	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.17	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.94	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	2.63	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.68	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	5.66	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.12	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	11.24	
05 05 23 00-1532 Load Indicating Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1532)</small>		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.36	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.54	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.66	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.88	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.78	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.88	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.23	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1543 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.86	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.72	
05 05 23 00-1546 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.91	
05 05 23 00-1547 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.86	
05 05 23 00-1548 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1549 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.69	
05 05 23 00-1550 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.06	
05 05 23 00-1551 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.11	
05 05 23 00-1552 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.27	
05 05 23 00-1553 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.00	
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.24	
05 05 23 00-1557 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.29	
05 05 23 00-1558 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.34	
05 05 23 00-1559 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.84	
05 05 23 00-1560 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.99	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.22	
05 05 23 00-1563 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1564 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1565 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.56	
05 05 23 00-1566 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.79	
05 05 23 00-1567 Drilling In Steel Plates (05 05 23)		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	14.80	
For Aluminum, Deduct	-1.48	
For Stainless Steel, Add	1.85	
05 05 23 00-1569 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	17.41	
For Aluminum, Deduct	-1.74	
For Stainless Steel, Add	2.18	
05 05 23 00-1570 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	20.89	
For Aluminum, Deduct	-2.09	
For Stainless Steel, Add	2.61	
05 05 23 00-1571 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	24.37	
For Aluminum, Deduct	-2.44	
For Stainless Steel, Add	3.05	
05 05 23 00-1572 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	32.64	
For Aluminum, Deduct	-3.26	
For Stainless Steel, Add	4.08	
05 05 23 00-1573 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	17.41	
For Aluminum, Deduct	-1.74	
For Stainless Steel, Add	2.18	
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	21.76	
For Aluminum, Deduct	-2.18	
For Stainless Steel, Add	2.72	
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	26.11	
For Aluminum, Deduct	-2.61	
For Stainless Steel, Add	3.26	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.64	
For Aluminum, Deduct	-3.26	
For Stainless Steel, Add	4.08	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	21.76	
For Aluminum, Deduct	-2.18	
For Stainless Steel, Add	2.72	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	28.73	
For Aluminum, Deduct	-2.87	
For Stainless Steel, Add	3.59	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.82	
05 05 23 00-1580 Welded Stud Anchors (05 05 23)		
05 05 23 00-1581 EA 1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors.....	2.21	
05 05 23 00-1582 EA 1/4" Diameter x 2-1/16" Long, Welded Stud Concrete Anchors.....	2.24	
05 05 23 00-1583 EA 1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.25	
05 05 23 00-1584 EA 1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.26	
05 05 23 00-1585 EA 3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors.....	2.30	
05 05 23 00-1586 EA 3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.37	
05 05 23 00-1587 EA 3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.43	
05 05 23 00-1588 EA 3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.47	
05 05 23 00-1589 EA 3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.50	
05 05 23 00-1590 EA 3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1591 EA 3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.75	
05 05 23 00-1592 EA 3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.84	
05 05 23 00-1593 EA 1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.68	
05 05 23 00-1594 EA 1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.69	
05 05 23 00-1595 EA 1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.80	
05 05 23 00-1596 EA 1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.89	
05 05 23 00-1597 EA 1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	3.01	
05 05 23 00-1598 EA 1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.20	
05 05 23 00-1599 EA 1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.32	
05 05 23 00-1600 EA 1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.65	
05 05 23 00-1601 EA 1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	4.27	
05 05 23 00-1602 EA 5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.51	
05 05 23 00-1603 EA 5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.66	
05 05 23 00-1604 EA 5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.79	
05 05 23 00-1605 EA 5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.92	
05 05 23 00-1606 EA 5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	4.02	
05 05 23 00-1607 EA 5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	4.12	
05 05 23 00-1608 EA 5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	4.25	
05 05 23 00-1609 EA 5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.78	
05 05 23 00-1610 EA 5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.52	

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.31	
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	4.42	
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.45	
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.46	
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.59	
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.82	
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	7.08	
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.10	
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.51	
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.93	
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.06	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.51	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.40	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.87	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	5.05	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	5.23	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.75	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.21	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.75	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	9.29	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.81	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	6.05	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	6.60	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	7.42	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	10.25	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	11.11	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	11.97	

05 10 Structural Metal Framing (05)

05 12 Structural Steel Framing (05 10)

05 12 23 Structural Steel For Buildings (05 12)

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON Up To 30 LB/LF Beams, Girders And Columns.....	6,065.72	960.71
	For ASTM A242 Type 2 High Strength Steel, Add	326.26	
	For Hot Dip Galvanizing, Add	1,141.90	
05 12 23 00-0004	TON >30-65 LB/LF Beams, Girders And Columns.....	4,009.53	621.03
	For ASTM A242 Type 2 High Strength Steel, Add	267.76	
	For Hot Dip Galvanizing, Add	937.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,344.09 237.72 832.00	349.37
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,230.08 162.51 568.77	185.96
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,252.49 284.48 995.66	653.37
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,866.13 471.16 1,649.07	1,785.95
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,621.44 450.72 1,577.50	1,048.10
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,618.49 396.49 1,387.71	621.03
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,895.75 464.05 1,624.18	2,445.56
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,543.66 444.49 1,555.72	1,863.28
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,529.59 389.38 1,362.81	621.03
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,147.78 453.38 1,586.84	1,417.03
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,996.31 426.71 1,493.49	621.03
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,484.21 328.92 1,151.24	349.37
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,865.40 213.36 746.75	186.23
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,321.41 426.71 1,493.49	1,048.10
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,740.72 326.26 1,141.90	621.03
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,706.34 266.70 933.43	349.37
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,710.13 200.91 703.19	185.96
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,976.93 399.15 1,397.04	1,048.10
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,774.06 328.92 1,151.24	621.03
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,428.53 244.47 855.65	349.37



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,932.07 218.69 765.42	185.96
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,510.75 192.91 675.19	93.35
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,596.26 314.70 1,101.45	621.03
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,439.65 245.36 858.76	349.37
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,321.41 426.71 1,493.49	1,048.10
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,996.30 346.70 1,213.46	621.03
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,517.43 251.58 880.54	349.37
05 12 23 00-0042 Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,063.29 277.36 970.77	558.99
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,367.93 289.81 1,014.33	698.73
05 12 23 00-0045 Structural Steel Shapes (05 12 23)		
05 12 23 00-0046 Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,332.90 309.37 1,082.78	436.76
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,996.30 346.70 1,213.46	621.03
05 12 23 00-0049 Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.30 0.13 0.47	0.60
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.15 0.13 0.44	0.51
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,011.27 275.00 962.49	537.95
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,830.56 198.90 696.16	322.77
05 12 23 00-0054 Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,274.49 353.82 1,238.36	798.51
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,659.11 336.04 1,176.13	429.95
05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,679.09 248.92 871.21	368.93
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,050.14 248.92 871.21	425.48
05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)		

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061			Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON	3" x 2"	Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,953.66 444.49 1,555.72	372.65
05 12 23 00-0063	TON	4" x 3", 2"	Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,014.82 444.49 1,555.72	429.95
05 12 23 00-0064	TON	5" x 4", 2"	Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,275.16 382.26 1,337.92	465.82
05 12 23 00-0065	TON	6" x 4", 3", 2"	Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,041.18 355.59 1,244.58	558.99
05 12 23 00-0066	TON	7" x 5", 4", 3"	Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,774.06 328.92 1,151.24	621.03
05 12 23 00-0067	TON	8" x 6", 4", 3", 2"	Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,028.31 328.92 1,151.24	859.44
05 12 23 00-0068	TON	10" x 6", 4", 2"	Weight Range 15-50 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,412.34 336.04 1,176.13	1,136.14
05 12 23 00-0069	TON	12" x 6", 4", 2"	Weight Range 17-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,568.73 339.59 1,188.57	1,241.04
05 12 23 00-0070	TON	14" x 10", 6", 4"	Weight Range 29-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,735.53 339.59 1,188.57	1,397.46
05 12 23 00-0071	TON	16" x 12", 8", 4"	Weight Range 40-90 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,332.02 336.04 1,176.13	2,935.89
05 12 23 00-0072	TON	18" x 6"	Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,076.83 327.15 1,145.01	1,863.28
05 12 23 00-0073	TON	20" x 12", 8", 4"	Weight Range 48-105 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,884.05 344.93 1,207.24	4,286.76
05 12 23 00-0074			Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075	TON	2" x 2"	Weight Range 4-6 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,928.81 444.49 1,555.72	349.37
05 12 23 00-0076	TON	2.5" x 2.5"	Weight Range 5-8 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,953.66 444.49 1,555.72	372.65
05 12 23 00-0077	TON	3" x 3"	Weight Range 6-11 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,386.29 391.15 1,369.04	465.82
05 12 23 00-0078	TON	3.5" x 3.5"	Weight Range 8-13 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,374.54 382.26 1,337.92	558.99
05 12 23 00-0079	TON	4" x 4"	Weight Range 10-22 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,390.16 291.59 1,020.56	698.73
05 12 23 00-0080	TON	5" x 5"	Weight Range 12-30 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,496.63 291.59 1,020.56	798.51
05 12 23 00-0081	TON	6" x 6"	Weight Range 15-35 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,837.34 291.59 1,020.56	1,117.97
05 12 23 00-0082	TON	7" x 7"	Weight Range 17-42 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,202.14 296.92 1,039.22	1,397.46
05 12 23 00-0083	TON	8" x 8"	Weight Range 20-60 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,299.08 344.93 1,207.24	1,863.28
05 12 23 00-0084	TON	10" x 10"	Weight Range 33-77 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,292.83 344.93 1,207.24	2,794.93
05 12 23 00-0085	TON	12" x 12"	Weight Range 40-80 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,210.64 296.92 1,039.22	3,280.40
05 12 23 00-0086	TON	14" x 14"	Weight Range 57-90 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,795.15 337.81 1,182.35	4,286.76
05 12 23 00-0087	TON	16" x 16"	Weight Range 65-105 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,274.08 344.93 1,207.24	5,589.85
05 12 23 00-0088			Structural Shapes (05 12 23 00-0045)		



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	7,153.82	2,151.80
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	299.06	
<i>For Hot Dip Galvanizing, Add</i>	1,046.71	
<i>For >20 To 50 LB/LF, Deduct</i>	-886.16	
<i>For >50 To 75 LB/LF, Deduct</i>	-1,414.63	
<i>For >75 To 100 LB/LF, Deduct</i>	-1,943.10	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel	4,700.60	860.72
<i>Note: Up to 21.5 LB per SF</i>		
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	284.48	
<i>For Hot Dip Galvanizing, Add</i>	995.69	
<i>For >21.5 To 50 LB/LF, Deduct</i>	-527.29	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.70	0.19
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	3.26	0.19
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,820.84	279.49
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,732.78	155.21
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,199.25	82.17
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,083.24	77.70
05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)		
<i>Note: Includes shop fabrication, welds, drilling and shop primer.</i>		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	17.83	6.20
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	26.75	9.27
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	35.67	12.36
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	44.59	15.44
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	53.51	18.45
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	62.43	21.62
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	71.34	24.71
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	80.26	27.80
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	89.18	30.89
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	98.10	33.98
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	107.02	37.07
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	115.94	40.16
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	124.86	43.24
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	133.78	46.33
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	142.70	49.42
05 12 23 00-0114 Accessories For Steel (05 12 23)		
05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.83	
05 12 23 00-0117 Connection And Stiffener Plates (05 12 23 00-0114)		
<i>Note: For field fabrication of additional structural metal connections.</i>		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,265.87	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	8,758.79	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0129 Spot Welding (05 12 23 00-0114)		
<i>See CSI section 05 12 23 00-0132 for a series of welds.</i>		
05 12 23 00-0130 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.55	
<i>For Aluminum Welding, Add</i>	1.45	
<i>For Stainless Steel Welding, Add</i>	2.41	
05 12 23 00-0131 EA >15 Spot Weldings, Welds Up To 1" Length Each	7.70	
<i>For Aluminum Welding, Add</i>	1.34	
<i>For Stainless Steel Welding, Add</i>	2.15	
05 12 23 00-0132 Field Welding (Seam And Stitch Welding) (05 12 23 00-0114)		
05 12 23 00-0133 Vertical Fillet Welds (05 12 23 00-0132)		
<i>Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.</i>		
05 12 23 00-0134 LF 3/16" Vertical Fillet Weld	10.04	
<i>For Aluminum Welding, Add</i>	1.66	
<i>For Stainless Steel Welding, Add</i>	2.70	
<i>For Up To 25, Add</i>	3.45	
<i>For >25 To 50, Add</i>	2.46	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0135	LF		1/4" Vertical Fillet Weld.....	15.06	
			For Aluminum Welding, Add	2.49	
			For Stainless Steel Welding, Add	4.05	
			For Up To 25, Add	5.18	
			For >25 To 50, Add	3.69	
05 12 23 00-0136	LF		5/16" Vertical Fillet Weld.....	20.09	
			For Aluminum Welding, Add	3.33	
			For Stainless Steel Welding, Add	5.41	
			For Up To 25, Add	6.90	
			For >25 To 50, Add	4.92	
05 12 23 00-0137	LF		3/8" Vertical Fillet Weld.....	25.11	
			For Aluminum Welding, Add	4.15	
			For Stainless Steel Welding, Add	6.76	
			For Up To 25, Add	8.63	
			For >25 To 50, Add	6.15	
05 12 23 00-0138	LF		7/16" Vertical Fillet Weld.....	29.88	
			For Aluminum Welding, Add	4.78	
			For Stainless Steel Welding, Add	7.85	
			For Up To 25, Add	10.33	
			For >25 To 50, Add	7.37	
05 12 23 00-0139	LF		1/2" Vertical Fillet Weld.....	34.78	
			For Aluminum Welding, Add	5.75	
			For Stainless Steel Welding, Add	9.36	
			For Up To 25, Add	11.95	
			For >25 To 50, Add	8.52	
05 12 23 00-0140	LF		9/16" Vertical Fillet Weld.....	40.85	
			For Aluminum Welding, Add	6.61	
			For Stainless Steel Welding, Add	10.81	
			For Up To 25, Add	14.10	
			For >25 To 50, Add	10.05	
05 12 23 00-0141	LF		5/8" Vertical Fillet Weld.....	45.00	
			For Aluminum Welding, Add	7.31	
			For Stainless Steel Welding, Add	11.96	
			For Up To 25, Add	15.52	
			For >25 To 50, Add	11.06	
05 12 23 00-0142	LF		3/4" Vertical Fillet Weld.....	61.81	
			For Aluminum Welding, Add	10.24	
			For Stainless Steel Welding, Add	16.67	
			For Up To 25, Add	21.23	
			For >25 To 50, Add	15.13	
05 12 23 00-0143	LF		7/8" Vertical Fillet Weld.....	81.62	
			For Aluminum Welding, Add	13.32	
			For Stainless Steel Welding, Add	21.76	
			For Up To 25, Add	28.12	
			For >25 To 50, Add	20.05	
05 12 23 00-0144	LF		1" Vertical Fillet Weld.....	113.17	
			For Aluminum Welding, Add	18.79	
			For Stainless Steel Welding, Add	30.57	
			For Up To 25, Add	38.85	
			For >25 To 50, Add	27.69	
05 12 23 00-0145			Horizontal Or Flat Fillet Welds (05 12 23 00-0132)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0146	LF		1/8" Horizontal Or Flat Fillet Weld.....	5.70	
			For Aluminum Welding, Add	0.98	
			For Stainless Steel Welding, Add	1.58	
			For Up To 25, Add	1.95	
			For >25 To 50, Add	1.39	
05 12 23 00-0147	LF		3/16" Horizontal Or Flat Fillet Weld.....	7.62	
			For Aluminum Welding, Add	1.31	
			For Stainless Steel Welding, Add	2.11	
			For Up To 25, Add	2.60	
			For >25 To 50, Add	1.85	
05 12 23 00-0148	LF		1/4" Horizontal Or Flat Fillet Weld.....	11.41	
			For Aluminum Welding, Add	1.95	
			For Stainless Steel Welding, Add	3.15	
			For Up To 25, Add	3.89	
			For >25 To 50, Add	2.77	
05 12 23 00-0149	LF		5/16" Horizontal Or Flat Fillet Weld.....	15.22	
			For Aluminum Welding, Add	2.61	
			For Stainless Steel Welding, Add	4.21	
			For Up To 25, Add	5.19	
			For >25 To 50, Add	3.70	
05 12 23 00-0150	LF		3/8" Horizontal Or Flat Fillet Weld.....	19.02	
			For Aluminum Welding, Add	3.25	
			For Stainless Steel Welding, Add	5.25	
			For Up To 25, Add	6.49	
			For >25 To 50, Add	4.62	
05 12 23 00-0151	LF		7/16" Horizontal Or Flat Fillet Weld.....	22.00	
			For Aluminum Welding, Add	3.62	
			For Stainless Steel Welding, Add	5.90	
			For Up To 25, Add	7.57	
			For >25 To 50, Add	5.39	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF		1/2" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	26.84 4.58 7.41 9.16 6.52	
05 12 23 00-0153	LF		9/16" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	30.23 5.04 8.20 10.37 7.39	
05 12 23 00-0154	LF		5/8" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	36.29 6.10 9.90 12.43 8.85	
05 12 23 00-0155	LF		3/4" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	45.76 7.88 12.72 15.59 11.10	
05 12 23 00-0156	LF		7/8" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	69.25 11.40 18.57 23.82 16.98	
05 12 23 00-0157	LF		1" Horizontal Or Flat Fillet Weld..... <i>For Aluminum Welding, Add</i> <i>For Stainless Steel Welding, Add</i> <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i>	91.29 15.60 25.20 31.16 22.19	
05 12 23 00-0158			Cold Galvanizing <small>(05 12 23 00-0114)</small>		
05 12 23 00-0159	SF		Brush Applied Cold Galvanizing	1.55	
05 12 23 00-0160			Metal Grinding <small>(05 12 23 00-0114)</small> Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0161	SI		Metal Grinding Up To 1/32" Thickness To Be Removed..... Note: Includes rust or scale removal on metal and smoothing surface.	0.93	
05 12 23 00-0162			Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
05 12 23 00-0163			First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0162)</small> Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0164	LF		W14 x 730 A992/A36 Structural Column	980.36	59.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	88.23	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	196.07	
05 12 23 00-0165	LF		W14 x 665 A992/A36 Structural Column	894.42	55.63
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	80.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	178.88	
05 12 23 00-0166	LF		W14 x 605 A992/A36 Structural Column	814.98	51.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	73.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	163.00	
05 12 23 00-0167	LF		W14 x 550 A992/A36 Structural Column	742.05	48.16
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	66.78	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	148.41	
05 12 23 00-0168	LF		W14 x 500 A992/A36 Structural Column	679.61	48.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	61.16	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	135.92	
05 12 23 00-0169	LF		W14 x 426 A992/A36 Structural Column	580.05	42.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	52.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.01	
05 12 23 00-0170	LF		W14 x 342 A992/A36 Structural Column	469.57	36.62
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.26	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.91	
05 12 23 00-0171	LF		W14 x 311 A992/A36 Structural Column	423.21	34.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.09	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.64	
05 12 23 00-0172	LF		W14 x 283 A992/A36 Structural Column	384.38	32.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.88	
05 12 23 00-0173	LF		W14 x 257 A992/A36 Structural Column	338.35	30.56
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.45	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.67	
05 12 23 00-0174	LF		W14 x 233 A992/A36 Structural Column	311.43	28.41
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.03	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.29	
05 12 23 00-0175	LF		W14 x 211 A992/A36 Structural Column	277.27	26.46
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.45	

05	Metals
05 10	Structural Metal Framing
05 12	Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176	LF		W14 x 193 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	251.06 22.60 50.21	25.16
05 12 23 00-0177	LF		W14 x 176 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	226.56 20.39 45.31	24.03
05 12 23 00-0178	LF		W14 x 159 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.16 18.46 41.03	23.20
05 12 23 00-0179	LF		W14 x 145 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.29 17.85 39.66	22.46
05 12 23 00-0180	LF		W14 x 132 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	170.05 15.30 34.01	21.43
05 12 23 00-0181	LF		W14 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	159.63 14.37 31.93	20.87
05 12 23 00-0182	LF		W14 x 109 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.20 12.89 28.64	20.03
05 12 23 00-0183	LF		W14 x 99 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.92 11.78 26.18	19.47
05 12 23 00-0184	LF		W14 x 90 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.83 10.96 24.37	19.00
05 12 23 00-0185	LF		W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.44 10.12 22.49	18.44
05 12 23 00-0186	LF		W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.80 9.16 20.36	17.98
05 12 23 00-0187	LF		W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.29 8.58 19.06	17.70
05 12 23 00-0188	LF		W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.13 7.84 17.43	17.24
05 12 23 00-0189	LF		W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.61 7.16 15.92	16.77
05 12 23 00-0190	LF		W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.74 6.73 14.95	16.49
05 12 23 00-0191	LF		W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.74 6.10 13.55	16.21
05 12 23 00-0192	LF		W12 x 336 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	446.89 40.22 89.38	26.58
05 12 23 00-0193	LF		W12 x 305 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	407.72 36.69 81.54	26.06
05 12 23 00-0194	LF		W12 x 279 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	374.98 33.75 75.00	25.74
05 12 23 00-0195	LF		W12 x 252 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	340.67 30.66 68.13	25.10
05 12 23 00-0196	LF		W12 x 230 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	312.87 28.16 62.57	24.73
05 12 23 00-0197	LF		W12 x 210 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	287.60 25.88 57.52	24.39
05 12 23 00-0198	LF		W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	264.17 23.78 52.83	25.71
05 12 23 00-0199	LF		W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	239.06 21.52 47.81	24.97
05 12 23 00-0200	LF		W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	215.66 19.41 43.13	23.20
05 12 23 00-0201	LF		W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.13 18.46 41.03	22.54
05 12 23 00-0202	LF		W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.10 14.05 31.22	20.68
05 12 23 00-0203	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.04 12.96 28.81	20.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0204 LF W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	129.17 11.63	19.38
05 12 23 00-0205 LF W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	119.36 10.74	18.73
05 12 23 00-0206 LF W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	105.10 9.46	18.17
05 12 23 00-0207 LF W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	96.43 8.68	17.70
05 12 23 00-0208 LF W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	88.36 7.95	17.33
05 12 23 00-0209 LF W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	85.60 7.70	17.14
05 12 23 00-0210 LF W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	79.61 7.16	16.77
05 12 23 00-0211 LF W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	77.22 6.95	16.68
05 12 23 00-0212 LF W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	70.42 6.34	16.30
05 12 23 00-0213 LF W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	63.39 5.71	15.93
05 12 23 00-0214 LF W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	150.55 13.55	20.40
05 12 23 00-0215 LF W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	136.41 12.28	19.57
05 12 23 00-0216 LF W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	122.89 11.06	18.92
05 12 23 00-0217 LF W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	109.57 9.86	18.17
05 12 23 00-0218 LF W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	98.93 8.90	17.70
05 12 23 00-0219 LF W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	87.13 7.84	17.24
05 12 23 00-0220 LF W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	86.54 7.79	16.95
05 12 23 00-0221 LF W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	76.30 6.87	16.68
05 12 23 00-0222 LF W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	73.73 6.64	16.40
05 12 23 00-0223 LF W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	64.52 5.81	16.11
05 12 23 00-0224 LF W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	56.58 5.09	15.65
05 12 23 00-0225 LF W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	95.39 8.59	17.70
05 12 23 00-0226 LF W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	85.90 7.73	17.14
05 12 23 00-0227 LF W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	77.13 6.94	16.68
05 12 23 00-0228 LF W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	66.59 5.99	16.21
05 12 23 00-0229 LF W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	60.39 5.44	15.84
05 12 23 00-0230 LF W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	55.43 4.99	15.65
05 12 23 00-0231 LF W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i>	52.34 4.71	15.46

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.61 4.37 9.72	15.28
05 12 23 00-0233	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.14 4.15 9.23	15.19
05 12 23 00-0234	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.49 3.73 8.30	14.90
05 12 23 00-0235	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.90 4.58 10.18	15.28
05 12 23 00-0236	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.46 3.91 8.69	15.00
05 12 23 00-0237	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.59 3.38 7.52	14.54
05 12 23 00-0238	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.40 3.19 7.08	14.54
05 12 23 00-0239	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.60 2.93 6.52	14.44
05 12 23 00-0240	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.84 3.86 8.57	15.00
05 12 23 00-0241	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.63 3.57 7.93	14.90
05 12 23 00-0242	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.26 3.35 7.45	14.72
05 12 23 00-0243			A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0162) Note: Includes material delivery and erection.		
05 12 23 00-0244	LF		W36 x 300 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	336.56 30.29 67.31 2.67 -107.34 40.39	65.36
05 12 23 00-0245	LF		W36 x 280 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	323.58 29.12 64.72 2.49 -102.07 38.83	69.87
05 12 23 00-0246	LF		W36 x 260 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	307.17 27.65 61.43 2.34 -96.47 36.86	69.03
05 12 23 00-0247	LF		W36 x 240 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	289.00 26.01 57.80 2.22 -91.07 34.68	63.00
05 12 23 00-0248	LF		W36 x 230 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	280.71 25.26 56.14 2.13 -88.03 33.69	63.89
05 12 23 00-0249	LF		W36 x 210 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	265.36 23.88 53.07 1.94 -82.19 31.84	66.79
05 12 23 00-0250	LF		W36 x 194 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	252.63 22.74 50.53 1.87 -78.65 30.32	61.11
05 12 23 00-0251	LF		W36 x 182 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	240.56 21.65 48.11 1.76 -74.49 28.87	60.65



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0252 LF W36 x 170 A992/A36 Structural Beam Or Girder	228.22	59.96
For High Strength Low Alloy A572-50 Steel, Add	20.54	
For High Strength Low Alloy A588 Steel, Add	45.64	
For Each Additional Top Copes >2, Add	1.64	
For Structural Tees, WT, MT Or ST, Deduct	-70.28	
For Skewed Or Sloped Connections, Add	27.39	
05 12 23 00-0253 LF W36 x 160 A992/A36 Structural Beam Or Girder	223.54	64.66
For High Strength Low Alloy A572-50 Steel, Add	20.12	
For High Strength Low Alloy A588 Steel, Add	44.71	
For Each Additional Top Copes >2, Add	1.55	
For Structural Tees, WT, MT Or ST, Deduct	-67.90	
For Skewed Or Sloped Connections, Add	26.82	
05 12 23 00-0254 LF W36 x 150 A992/A36 Structural Beam Or Girder	214.97	64.19
For High Strength Low Alloy A572-50 Steel, Add	19.35	
For High Strength Low Alloy A588 Steel, Add	42.99	
For Each Additional Top Copes >2, Add	1.47	
For Structural Tees, WT, MT Or ST, Deduct	-64.97	
For Skewed Or Sloped Connections, Add	25.80	
05 12 23 00-0255 LF W36 x 135 A992/A36 Structural Beam Or Girder	202.99	63.63
For High Strength Low Alloy A572-50 Steel, Add	18.27	
For High Strength Low Alloy A588 Steel, Add	40.60	
For Each Additional Top Copes >2, Add	1.35	
For Structural Tees, WT, MT Or ST, Deduct	-60.87	
For Skewed Or Sloped Connections, Add	24.36	
05 12 23 00-0256 LF W33 x 241 A992/A36 Structural Beam Or Girder	293.05	64.98
For High Strength Low Alloy A572-50 Steel, Add	26.37	
For High Strength Low Alloy A588 Steel, Add	58.61	
For Each Additional Top Copes >2, Add	2.24	
For Structural Tees, WT, MT Or ST, Deduct	-92.17	
For Skewed Or Sloped Connections, Add	35.17	
05 12 23 00-0257 LF W33 x 221 A992/A36 Structural Beam Or Girder	272.78	63.38
For High Strength Low Alloy A572-50 Steel, Add	24.55	
For High Strength Low Alloy A588 Steel, Add	54.56	
For Each Additional Top Copes >2, Add	2.05	
For Structural Tees, WT, MT Or ST, Deduct	-85.33	
For Skewed Or Sloped Connections, Add	32.73	
05 12 23 00-0258 LF W33 x 201 A992/A36 Structural Beam Or Girder	257.41	66.33
For High Strength Low Alloy A572-50 Steel, Add	23.17	
For High Strength Low Alloy A588 Steel, Add	51.48	
For Each Additional Top Copes >2, Add	1.87	
For Structural Tees, WT, MT Or ST, Deduct	-79.47	
For Skewed Or Sloped Connections, Add	30.89	
05 12 23 00-0259 LF W33 x 170 A992/A36 Structural Beam Or Girder	232.74	65.12
For High Strength Low Alloy A572-50 Steel, Add	20.95	
For High Strength Low Alloy A588 Steel, Add	46.55	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-71.05	
For Skewed Or Sloped Connections, Add	27.93	
05 12 23 00-0260 LF W33 x 152 A992/A36 Structural Beam Or Girder	214.73	59.77
For High Strength Low Alloy A572-50 Steel, Add	19.33	
For High Strength Low Alloy A588 Steel, Add	42.95	
For Each Additional Top Copes >2, Add	1.51	
For Structural Tees, WT, MT Or ST, Deduct	-65.59	
For Skewed Or Sloped Connections, Add	25.77	
05 12 23 00-0261 LF W33 x 141 A992/A36 Structural Beam Or Girder	208.17	63.82
For High Strength Low Alloy A572-50 Steel, Add	18.74	
For High Strength Low Alloy A588 Steel, Add	41.63	
For Each Additional Top Copes >2, Add	1.40	
For Structural Tees, WT, MT Or ST, Deduct	-62.64	
For Skewed Or Sloped Connections, Add	24.98	
05 12 23 00-0262 LF W33 x 130 A992/A36 Structural Beam Or Girder	198.46	63.35
For High Strength Low Alloy A572-50 Steel, Add	17.86	
For High Strength Low Alloy A588 Steel, Add	39.69	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-59.33	
For Skewed Or Sloped Connections, Add	23.82	
05 12 23 00-0263 LF W33 x 118 A992/A36 Structural Beam Or Girder	187.19	62.79
For High Strength Low Alloy A572-50 Steel, Add	16.85	
For High Strength Low Alloy A588 Steel, Add	37.44	
For Each Additional Top Copes >2, Add	1.20	
For Structural Tees, WT, MT Or ST, Deduct	-55.47	
For Skewed Or Sloped Connections, Add	22.46	
05 12 23 00-0264 LF W30 x 211 A992/A36 Structural Beam Or Girder	262.38	63.26
For High Strength Low Alloy A572-50 Steel, Add	23.61	
For High Strength Low Alloy A588 Steel, Add	52.48	
For Each Additional Top Copes >2, Add	1.95	
For Structural Tees, WT, MT Or ST, Deduct	-81.71	
For Skewed Or Sloped Connections, Add	31.49	
05 12 23 00-0265 LF W30 x 191 A992/A36 Structural Beam Or Girder	246.76	65.87
For High Strength Low Alloy A572-50 Steel, Add	22.21	
For High Strength Low Alloy A588 Steel, Add	49.35	
For Each Additional Top Copes >2, Add	1.76	
For Structural Tees, WT, MT Or ST, Deduct	-75.82	
For Skewed Or Sloped Connections, Add	29.61	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0266	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	229.09	60.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.82	
			<i>For Each Additional Top Copes >2, Add</i>	1.65	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.52	
			<i>For Skewed Or Sloped Connections, Add</i>	27.49	
05 12 23 00-0267	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	215.17	64.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.03	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.02	
			<i>For Skewed Or Sloped Connections, Add</i>	25.82	
05 12 23 00-0268	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	195.02	58.26
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.55	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.00	
			<i>For Each Additional Top Copes >2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-58.94	
			<i>For Skewed Or Sloped Connections, Add</i>	23.40	
05 12 23 00-0269	LF		W30 x 124 A992/A36 Structural Beam Or Girder.....	186.94	58.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.39	
			<i>For Each Additional Top Copes >2, Add</i>	1.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.11	
			<i>For Skewed Or Sloped Connections, Add</i>	22.43	
05 12 23 00-0270	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	183.67	62.70
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.73	
			<i>For Each Additional Top Copes >2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.25	
			<i>For Skewed Or Sloped Connections, Add</i>	22.04	
05 12 23 00-0271	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	169.49	56.46
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.90	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.29	
			<i>For Skewed Or Sloped Connections, Add</i>	20.34	
05 12 23 00-0272	LF		W30 x 99 A992/A36 Structural Beam Or Girder	162.57	56.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.51	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.93	
			<i>For Skewed Or Sloped Connections, Add</i>	19.51	
05 12 23 00-0273	LF		W27 x 178 A992/A36 Structural Beam Or Girder.....	255.82	70.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.16	
			<i>For Each Additional Top Copes >2, Add</i>	1.80	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-78.23	
			<i>For Skewed Or Sloped Connections, Add</i>	30.70	
05 12 23 00-0274	LF		W27 x 161 A992/A36 Structural Beam Or Girder.....	235.74	68.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	47.15	
			<i>For Each Additional Top Copes >2, Add</i>	1.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-71.63	
			<i>For Skewed Or Sloped Connections, Add</i>	28.29	
05 12 23 00-0275	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	217.97	65.62
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.59	
			<i>For Each Additional Top Copes >2, Add</i>	1.48	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.79	
			<i>For Skewed Or Sloped Connections, Add</i>	26.16	
05 12 23 00-0276	LF		W27 x 114 A992/A36 Structural Beam Or Girder.....	173.69	54.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	34.74	
			<i>For Each Additional Top Copes >2, Add</i>	1.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.07	
			<i>For Skewed Or Sloped Connections, Add</i>	20.84	
05 12 23 00-0277	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	163.28	56.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.66	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.16	
			<i>For Skewed Or Sloped Connections, Add</i>	19.59	
05 12 23 00-0278	LF		W27 x 94 A992/A36 Structural Beam Or Girder	156.77	55.81
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.11	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.35	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.94	
			<i>For Skewed Or Sloped Connections, Add</i>	18.81	
05 12 23 00-0279	LF		W27 x 84 A992/A36 Structural Beam Or Girder	148.83	55.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.39	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.77	
			<i>For Each Additional Top Copes >2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.23	
			<i>For Skewed Or Sloped Connections, Add</i>	17.86	



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280 LF W24 x 162 A992/A36 Structural Beam Or Girder	226.96	65.22
For High Strength Low Alloy A572-50 Steel, Add	20.43	
For High Strength Low Alloy A588 Steel, Add	45.39	
For Each Additional Top Copes >2, Add	1.57	
For Structural Tees, WT, MT Or ST, Deduct	-69.00	
For Skewed Or Sloped Connections, Add	27.24	
05 12 23 00-0281 LF W24 x 146 A992/A36 Structural Beam Or Girder	208.55	62.52
For High Strength Low Alloy A572-50 Steel, Add	18.77	
For High Strength Low Alloy A588 Steel, Add	41.71	
For Each Additional Top Copes >2, Add	1.42	
For Structural Tees, WT, MT Or ST, Deduct	-62.99	
For Skewed Or Sloped Connections, Add	25.03	
05 12 23 00-0282 LF W24 x 131 A992/A36 Structural Beam Or Girder	190.94	59.69
For High Strength Low Alloy A572-50 Steel, Add	17.18	
For High Strength Low Alloy A588 Steel, Add	38.19	
For Each Additional Top Copes >2, Add	1.27	
For Structural Tees, WT, MT Or ST, Deduct	-57.28	
For Skewed Or Sloped Connections, Add	22.91	
05 12 23 00-0283 LF W24 x 117 A992/A36 Structural Beam Or Girder	174.15	56.71
For High Strength Low Alloy A572-50 Steel, Add	15.67	
For High Strength Low Alloy A588 Steel, Add	34.83	
For Each Additional Top Copes >2, Add	1.14	
For Structural Tees, WT, MT Or ST, Deduct	-51.88	
For Skewed Or Sloped Connections, Add	20.90	
05 12 23 00-0284 LF W24 x 104 A992/A36 Structural Beam Or Girder	158.24	53.63
For High Strength Low Alloy A572-50 Steel, Add	14.24	
For High Strength Low Alloy A588 Steel, Add	31.65	
For Each Additional Top Copes >2, Add	1.01	
For Structural Tees, WT, MT Or ST, Deduct	-46.80	
For Skewed Or Sloped Connections, Add	18.99	
05 12 23 00-0285 LF W24 x 94 A992/A36 Structural Beam Or Girder	150.85	55.81
For High Strength Low Alloy A572-50 Steel, Add	13.58	
For High Strength Low Alloy A588 Steel, Add	30.17	
For Each Additional Top Copes >2, Add	0.91	
For Structural Tees, WT, MT Or ST, Deduct	-43.87	
For Skewed Or Sloped Connections, Add	18.10	
05 12 23 00-0286 LF W24 x 84 A992/A36 Structural Beam Or Girder	137.19	49.47
For High Strength Low Alloy A572-50 Steel, Add	12.35	
For High Strength Low Alloy A588 Steel, Add	27.44	
For Each Additional Top Copes >2, Add	0.84	
For Structural Tees, WT, MT Or ST, Deduct	-40.09	
For Skewed Or Sloped Connections, Add	16.46	
05 12 23 00-0287 LF W24 x 76 A992/A36 Structural Beam Or Girder	131.10	49.09
For High Strength Low Alloy A572-50 Steel, Add	11.80	
For High Strength Low Alloy A588 Steel, Add	26.22	
For Each Additional Top Copes >2, Add	0.79	
For Structural Tees, WT, MT Or ST, Deduct	-38.02	
For Skewed Or Sloped Connections, Add	15.73	
05 12 23 00-0288 LF W24 x 68 A992/A36 Structural Beam Or Girder	123.46	48.82
For High Strength Low Alloy A572-50 Steel, Add	11.11	
For High Strength Low Alloy A588 Steel, Add	24.69	
For Each Additional Top Copes >2, Add	0.71	
For Structural Tees, WT, MT Or ST, Deduct	-35.40	
For Skewed Or Sloped Connections, Add	14.82	
05 12 23 00-0289 LF W24 x 62 A992/A36 Structural Beam Or Girder	119.44	48.54
For High Strength Low Alloy A572-50 Steel, Add	10.75	
For High Strength Low Alloy A588 Steel, Add	23.89	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-34.03	
For Skewed Or Sloped Connections, Add	14.33	
05 12 23 00-0290 LF W24 x 55 A992/A36 Structural Beam Or Girder	113.96	48.35
For High Strength Low Alloy A572-50 Steel, Add	10.26	
For High Strength Low Alloy A588 Steel, Add	22.79	
For Each Additional Top Copes >2, Add	0.62	
For Structural Tees, WT, MT Or ST, Deduct	-32.16	
For Skewed Or Sloped Connections, Add	13.68	
05 12 23 00-0291 LF W21 x 147 A992/A36 Structural Beam Or Girder	197.46	53.63
For High Strength Low Alloy A572-50 Steel, Add	17.77	
For High Strength Low Alloy A588 Steel, Add	39.49	
For Each Additional Top Copes >2, Add	1.40	
For Structural Tees, WT, MT Or ST, Deduct	-60.53	
For Skewed Or Sloped Connections, Add	23.70	
05 12 23 00-0292 LF W21 x 132 A992/A36 Structural Beam Or Girder	180.59	51.24
For High Strength Low Alloy A572-50 Steel, Add	16.25	
For High Strength Low Alloy A588 Steel, Add	36.12	
For Each Additional Top Copes >2, Add	1.26	
For Structural Tees, WT, MT Or ST, Deduct	-55.01	
For Skewed Or Sloped Connections, Add	21.67	
05 12 23 00-0293 LF W21 x 122 A992/A36 Structural Beam Or Girder	170.14	50.38
For High Strength Low Alloy A572-50 Steel, Add	15.31	
For High Strength Low Alloy A588 Steel, Add	34.03	
For Each Additional Top Copes >2, Add	1.16	
For Structural Tees, WT, MT Or ST, Deduct	-51.49	
For Skewed Or Sloped Connections, Add	20.42	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	157.92	48.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.58	
			<i>For Each Additional Top Copes >2, Add</i>	1.06	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.47	
			<i>For Skewed Or Sloped Connections, Add</i>	18.95	
05 12 23 00-0295	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	146.71	47.21
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.20	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.34	
			<i>For Each Additional Top Copes >2, Add</i>	0.96	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.80	
			<i>For Skewed Or Sloped Connections, Add</i>	17.61	
05 12 23 00-0296	LF		W21 x 93 A992/A36 Structural Beam Or Girder	142.11	50.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.79	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.42	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.73	
			<i>For Skewed Or Sloped Connections, Add</i>	17.05	
05 12 23 00-0297	LF		W21 x 83 A992/A36 Structural Beam Or Girder	134.90	49.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.14	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.98	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.29	
			<i>For Skewed Or Sloped Connections, Add</i>	16.19	
05 12 23 00-0298	LF		W21 x 73 A992/A36 Structural Beam Or Girder	126.13	49.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.35	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.23	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.29	
			<i>For Skewed Or Sloped Connections, Add</i>	15.14	
05 12 23 00-0299	LF		W21 x 68 A992/A36 Structural Beam Or Girder	121.69	48.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.95	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.34	
			<i>For Each Additional Top Copes >2, Add</i>	0.70	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.78	
			<i>For Skewed Or Sloped Connections, Add</i>	14.60	
05 12 23 00-0300	LF		W21 x 62 A992/A36 Structural Beam Or Girder	117.67	48.54
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.41	
			<i>For Skewed Or Sloped Connections, Add</i>	14.12	
05 12 23 00-0301	LF		W21 x 57 A992/A36 Structural Beam Or Girder	114.06	48.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.27	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.81	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.18	
			<i>For Skewed Or Sloped Connections, Add</i>	13.69	
05 12 23 00-0302	LF		W21 x 50 A992/A36 Structural Beam Or Girder	100.90	42.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.18	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.58	
			<i>For Skewed Or Sloped Connections, Add</i>	12.11	
05 12 23 00-0303	LF		W21 x 44 A992/A36 Structural Beam Or Girder	96.68	41.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.34	
			<i>For Each Additional Top Copes >2, Add</i>	0.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.14	
			<i>For Skewed Or Sloped Connections, Add</i>	11.60	
05 12 23 00-0304	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	165.86	50.20
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.17	
			<i>For Each Additional Top Copes >2, Add</i>	1.12	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.02	
			<i>For Skewed Or Sloped Connections, Add</i>	19.90	
05 12 23 00-0305	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	150.78	47.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.57	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.16	
			<i>For Each Additional Top Copes >2, Add</i>	1.00	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.16	
			<i>For Skewed Or Sloped Connections, Add</i>	18.09	
05 12 23 00-0306	LF		W18 x 97 A992/A36 Structural Beam Or Girder	145.01	50.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.05	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.00	
			<i>For Each Additional Top Copes >2, Add</i>	0.92	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.73	
			<i>For Skewed Or Sloped Connections, Add</i>	17.40	
05 12 23 00-0307	LF		W18 x 86 A992/A36 Structural Beam Or Girder	136.77	49.57
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.35	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.93	
			<i>For Skewed Or Sloped Connections, Add</i>	16.41	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0308	LF		W18 x 76 A992/A36 Structural Beam Or Girder	129.34	49.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.64	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.87	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.40	
			<i>For Skewed Or Sloped Connections, Add</i>	15.52	
05 12 23 00-0309	LF		W18 x 71 A992/A36 Structural Beam Or Girder	123.96	49.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.16	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.79	
			<i>For Each Additional Top Copes >2, Add</i>	0.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.55	
			<i>For Skewed Or Sloped Connections, Add</i>	14.88	
05 12 23 00-0310	LF		W18 x 65 A992/A36 Structural Beam Or Girder	118.68	48.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.68	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.74	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.74	
			<i>For Skewed Or Sloped Connections, Add</i>	14.24	
05 12 23 00-0311	LF		W18 x 60 A992/A36 Structural Beam Or Girder	113.94	48.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.79	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.12	
			<i>For Skewed Or Sloped Connections, Add</i>	13.67	
05 12 23 00-0312	LF		W18 x 55 A992/A36 Structural Beam Or Girder	109.18	48.35
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.83	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.84	
			<i>For Each Additional Top Copes >2, Add</i>	0.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.49	
			<i>For Skewed Or Sloped Connections, Add</i>	13.10	
05 12 23 00-0313	LF		W18 x 50 A992/A36 Structural Beam Or Girder	97.99	42.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.60	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.56	
			<i>For Skewed Or Sloped Connections, Add</i>	11.76	
05 12 23 00-0314	LF		W18 x 46 A992/A36 Structural Beam Or Girder	94.27	41.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.85	
			<i>For Each Additional Top Copes >2, Add</i>	0.50	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.29	
			<i>For Skewed Or Sloped Connections, Add</i>	11.31	
05 12 23 00-0315	LF		W18 x 40 A992/A36 Structural Beam Or Girder	82.25	35.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.45	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.06	
			<i>For Skewed Or Sloped Connections, Add</i>	9.87	
05 12 23 00-0316	LF		W18 x 35 A992/A36 Structural Beam Or Girder	77.60	35.68
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.52	
			<i>For Each Additional Top Copes >2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.46	
			<i>For Skewed Or Sloped Connections, Add</i>	9.31	
05 12 23 00-0317	LF		W16 x 100 A992/A36 Structural Beam Or Girder	133.04	32.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.97	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.61	
			<i>For Each Additional Top Copes >2, Add</i>	0.98	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.37	
			<i>For Skewed Or Sloped Connections, Add</i>	15.96	
05 12 23 00-0318	LF		W16 x 89 A992/A36 Structural Beam Or Girder	122.52	31.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.03	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.77	
			<i>For Skewed Or Sloped Connections, Add</i>	14.70	
05 12 23 00-0319	LF		W16 x 77 A992/A36 Structural Beam Or Girder	111.24	31.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.25	
			<i>For Each Additional Top Copes >2, Add</i>	0.78	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.89	
			<i>For Skewed Or Sloped Connections, Add</i>	13.35	
05 12 23 00-0320	LF		W16 x 67 A992/A36 Structural Beam Or Girder	101.64	31.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.15	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.33	
			<i>For Each Additional Top Copes >2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.60	
			<i>For Skewed Or Sloped Connections, Add</i>	12.20	
05 12 23 00-0321	LF		W16 x 57 A992/A36 Structural Beam Or Girder	92.13	30.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.29	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.34	
			<i>For Skewed Or Sloped Connections, Add</i>	11.06	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0322	LF		W16 x 50 A992/A36 Structural Beam Or Girder	85.51	30.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.10	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.07	
			<i>For Skewed Or Sloped Connections, Add</i>	10.26	
05 12 23 00-0323	LF		W16 x 45 A992/A36 Structural Beam Or Girder	80.87	30.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.28	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.47	
			<i>For Skewed Or Sloped Connections, Add</i>	9.70	
05 12 23 00-0324	LF		W16 x 40 A992/A36 Structural Beam Or Girder	76.00	29.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.20	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.81	
			<i>For Skewed Or Sloped Connections, Add</i>	9.12	
05 12 23 00-0325	LF		W16 x 36 A992/A36 Structural Beam Or Girder	72.20	29.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.50	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.41	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.52	
			<i>For Skewed Or Sloped Connections, Add</i>	8.66	
05 12 23 00-0326	LF		W16 x 31 A992/A36 Structural Beam Or Girder	61.20	23.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.24	
			<i>For Each Additional Top Copes >2, Add</i>	0.36	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.63	
			<i>For Skewed Or Sloped Connections, Add</i>	7.34	
05 12 23 00-0327	LF		W16 x 26 A992/A36 Structural Beam Or Girder	55.11	23.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.02	
			<i>For Each Additional Top Copes >2, Add</i>	0.30	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.54	
			<i>For Skewed Or Sloped Connections, Add</i>	6.61	
05 12 23 00-0328	LF		W14 x 99 A992/A36 Structural Beam Or Girder	125.87	26.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.79	
			<i>For Skewed Or Sloped Connections, Add</i>	15.10	
05 12 23 00-0329	LF		W14 x 90 A992/A36 Structural Beam Or Girder	117.30	26.18
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.56	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.46	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.86	
			<i>For Skewed Or Sloped Connections, Add</i>	14.08	
05 12 23 00-0330	LF		W14 x 82 A992/A36 Structural Beam Or Girder	109.65	25.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.93	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.24	
			<i>For Skewed Or Sloped Connections, Add</i>	13.16	
05 12 23 00-0331	LF		W14 x 74 A992/A36 Structural Beam Or Girder	102.03	25.52
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.41	
			<i>For Each Additional Top Copes >2, Add</i>	0.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.63	
			<i>For Skewed Or Sloped Connections, Add</i>	12.24	
05 12 23 00-0332	LF		W14 x 68 A992/A36 Structural Beam Or Girder	96.33	25.25
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.27	
			<i>For Each Additional Top Copes >2, Add</i>	0.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.68	
			<i>For Skewed Or Sloped Connections, Add</i>	11.56	
05 12 23 00-0333	LF		W14 x 61 A992/A36 Structural Beam Or Girder	89.72	24.97
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.94	
			<i>For Each Additional Top Copes >2, Add</i>	0.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.40	
			<i>For Skewed Or Sloped Connections, Add</i>	10.77	
05 12 23 00-0334	LF		W14 x 53 A992/A36 Structural Beam Or Girder	82.17	24.60
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.82	
			<i>For Skewed Or Sloped Connections, Add</i>	9.86	
05 12 23 00-0335	LF		W14 x 48 A992/A36 Structural Beam Or Girder	77.33	24.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.47	
			<i>For Each Additional Top Copes >2, Add</i>	0.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.17	
			<i>For Skewed Or Sloped Connections, Add</i>	9.28	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0336	LF		W14 x 43 A992/A36 Structural Beam Or Girder	72.56	24.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.51	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.52	
			<i>For Skewed Or Sloped Connections, Add</i>	8.71	
05 12 23 00-0337	LF		W14 x 38 A992/A36 Structural Beam Or Girder	67.81	24.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.56	
			<i>For Each Additional Top Copes >2, Add</i>	0.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.91	
			<i>For Skewed Or Sloped Connections, Add</i>	8.14	
05 12 23 00-0338	LF		W14 x 34 A992/A36 Structural Beam Or Girder	64.00	23.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.80	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.60	
			<i>For Skewed Or Sloped Connections, Add</i>	7.68	
05 12 23 00-0339	LF		W14 x 30 A992/A36 Structural Beam Or Girder	60.17	23.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.42	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.29	
			<i>For Skewed Or Sloped Connections, Add</i>	7.22	
05 12 23 00-0340	LF		W14 x 26 A992/A36 Structural Beam Or Girder	56.35	23.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.27	
			<i>For Each Additional Top Copes >2, Add</i>	0.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.98	
			<i>For Skewed Or Sloped Connections, Add</i>	6.76	
05 12 23 00-0341	LF		W14 x 22 A992/A36 Structural Beam Or Girder	52.63	23.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.70	
			<i>For Skewed Or Sloped Connections, Add</i>	6.32	
05 12 23 00-0342	LF		W12 x 87 A992/A36 Structural Beam Or Girder	114.51	26.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.90	
			<i>For Each Additional Top Copes >2, Add</i>	0.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.90	
			<i>For Skewed Or Sloped Connections, Add</i>	13.74	
05 12 23 00-0343	LF		W12 x 79 A992/A36 Structural Beam Or Girder	106.87	25.71
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.37	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.28	
			<i>For Skewed Or Sloped Connections, Add</i>	12.82	
05 12 23 00-0344	LF		W12 x 72 A992/A36 Structural Beam Or Girder	100.15	25.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.73	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.99	
			<i>For Skewed Or Sloped Connections, Add</i>	12.02	
05 12 23 00-0345	LF		W12 x 65 A992/A36 Structural Beam Or Girder	93.53	25.16
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.42	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.71	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.71	
			<i>For Skewed Or Sloped Connections, Add</i>	11.22	
05 12 23 00-0346	LF		W12 x 58 A992/A36 Structural Beam Or Girder	86.83	24.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.37	
			<i>For Each Additional Top Copes >2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.42	
			<i>For Skewed Or Sloped Connections, Add</i>	10.42	
05 12 23 00-0347	LF		W12 x 53 A992/A36 Structural Beam Or Girder	82.17	24.60
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.82	
			<i>For Skewed Or Sloped Connections, Add</i>	9.86	
05 12 23 00-0348	LF		W12 x 50 A992/A36 Structural Beam Or Girder	79.17	24.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.83	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.80	
			<i>For Skewed Or Sloped Connections, Add</i>	9.50	
05 12 23 00-0349	LF		W12 x 45 A992/A36 Structural Beam Or Girder	74.53	24.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.91	
			<i>For Each Additional Top Copes >2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.20	
			<i>For Skewed Or Sloped Connections, Add</i>	8.94	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0350	LF		W12 x 40 A992/A36 Structural Beam Or Girder	63.33	18.08
			For High Strength Low Alloy A572-50 Steel, Add	5.70	
			For High Strength Low Alloy A588 Steel, Add	12.67	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-19.27	
			For Skewed Or Sloped Connections, Add	7.60	
05 12 23 00-0351	LF		W12 x 35 A992/A36 Structural Beam Or Girder	58.69	17.98
			For High Strength Low Alloy A572-50 Steel, Add	5.28	
			For High Strength Low Alloy A588 Steel, Add	11.74	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.68	
			For Skewed Or Sloped Connections, Add	7.04	
05 12 23 00-0352	LF		W12 x 30 A992/A36 Structural Beam Or Girder	53.83	17.70
			For High Strength Low Alloy A572-50 Steel, Add	4.84	
			For High Strength Low Alloy A588 Steel, Add	10.77	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-16.02	
			For Skewed Or Sloped Connections, Add	6.46	
05 12 23 00-0353	LF		W12 x 26 A992/A36 Structural Beam Or Girder	50.01	17.51
			For High Strength Low Alloy A572-50 Steel, Add	4.50	
			For High Strength Low Alloy A588 Steel, Add	10.00	
			For Each Additional Top Copes >2, Add	0.31	
			For Structural Tees, WT, MT Or ST, Deduct	-14.71	
			For Skewed Or Sloped Connections, Add	6.00	
05 12 23 00-0354	LF		W12 x 22 A992/A36 Structural Beam Or Girder	46.29	17.33
			For High Strength Low Alloy A572-50 Steel, Add	4.17	
			For High Strength Low Alloy A588 Steel, Add	9.26	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.44	
			For Skewed Or Sloped Connections, Add	5.55	
05 12 23 00-0355	LF		W12 x 19 A992/A36 Structural Beam Or Girder	43.39	17.24
			For High Strength Low Alloy A572-50 Steel, Add	3.91	
			For High Strength Low Alloy A588 Steel, Add	8.68	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.43	
			For Skewed Or Sloped Connections, Add	5.21	
05 12 23 00-0356	LF		W12 x 16 A992/A36 Structural Beam Or Girder	40.51	16.95
			For High Strength Low Alloy A572-50 Steel, Add	3.65	
			For High Strength Low Alloy A588 Steel, Add	8.10	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.45	
			For Skewed Or Sloped Connections, Add	4.86	
05 12 23 00-0357	LF		W12 x 14 A992/A36 Structural Beam Or Girder	38.65	16.95
			For High Strength Low Alloy A572-50 Steel, Add	3.48	
			For High Strength Low Alloy A588 Steel, Add	7.73	
			For Each Additional Top Copes >2, Add	0.21	
			For Structural Tees, WT, MT Or ST, Deduct	-10.82	
			For Skewed Or Sloped Connections, Add	4.64	
05 12 23 00-0358	LF		W10 x 68 A992/A36 Structural Beam Or Girder	90.29	19.47
			For High Strength Low Alloy A572-50 Steel, Add	8.13	
			For High Strength Low Alloy A588 Steel, Add	18.06	
			For Each Additional Top Copes >2, Add	0.70	
			For Structural Tees, WT, MT Or ST, Deduct	-28.50	
			For Skewed Or Sloped Connections, Add	10.83	
05 12 23 00-0359	LF		W10 x 60 A992/A36 Structural Beam Or Girder	82.75	19.10
			For High Strength Low Alloy A572-50 Steel, Add	7.45	
			For High Strength Low Alloy A588 Steel, Add	16.55	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-25.92	
			For Skewed Or Sloped Connections, Add	9.93	
05 12 23 00-0360	LF		W10 x 54 A992/A36 Structural Beam Or Girder	76.97	18.73
			For High Strength Low Alloy A572-50 Steel, Add	6.93	
			For High Strength Low Alloy A588 Steel, Add	15.39	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-23.94	
			For Skewed Or Sloped Connections, Add	9.24	
05 12 23 00-0361	LF		W10 x 49 A992/A36 Structural Beam Or Girder	72.22	18.54
			For High Strength Low Alloy A572-50 Steel, Add	6.50	
			For High Strength Low Alloy A588 Steel, Add	14.44	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.31	
			For Skewed Or Sloped Connections, Add	8.67	
05 12 23 00-0362	LF		W10 x 45 A992/A36 Structural Beam Or Girder	68.40	18.44
			For High Strength Low Alloy A572-50 Steel, Add	6.16	
			For High Strength Low Alloy A588 Steel, Add	13.68	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-21.00	
			For Skewed Or Sloped Connections, Add	8.21	
05 12 23 00-0363	LF		W10 x 39 A992/A36 Structural Beam Or Girder	62.71	18.08
			For High Strength Low Alloy A572-50 Steel, Add	5.64	
			For High Strength Low Alloy A588 Steel, Add	12.54	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-19.06	
			For Skewed Or Sloped Connections, Add	7.53	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF		W10 x 33 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	57.03 5.13 11.41 0.38 -17.11 6.84	17.79
05 12 23 00-0365	LF		W10 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	54.14 4.87 10.83 0.35 -16.11 6.50	17.70
05 12 23 00-0366	LF		W10 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	50.42 4.54 10.08 0.32 -14.84 6.05	17.60
05 12 23 00-0367	LF		W10 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	46.49 4.18 9.30 0.28 -13.51 5.58	17.33
05 12 23 00-0368	LF		W10 x 19 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	43.70 3.93 8.74 0.25 -12.54 5.24	17.24
05 12 23 00-0369	LF		W10 x 17 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	41.74 3.76 8.35 0.23 -11.87 5.01	17.14
05 12 23 00-0370	LF		W10 x 15 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	39.89 3.59 7.98 0.22 -11.24 4.79	16.95
05 12 23 00-0371	LF		W10 x 12 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	37.09 3.34 7.42 0.19 -10.27 4.45	16.95
05 12 23 00-0372	LF		W8 x 35 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	58.89 5.30 11.78 0.40 -17.75 7.07	17.98
05 12 23 00-0373	LF		W8 x 31 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	55.08 4.96 11.02 0.36 -16.44 6.61	17.70
05 12 23 00-0374	LF		W8 x 28 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	51.24 4.61 10.25 0.33 -15.27 6.15	16.68
05 12 23 00-0375	LF		W8 x 24 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	46.82 4.21 9.36 0.30 -13.89 5.62	15.65
05 12 23 00-0376	LF		W8 x 21 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	43.58 3.92 8.72 0.28 -12.92 5.23	14.54
05 12 23 00-0377	LF		W8 x 18 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	38.29 3.45 7.66 0.24 -11.24 4.59	13.51

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF		W8 x 10 A992/A36 Structural Beam Or Girder	22.99	9.68
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.60	
			<i>For Each Additional Top Copes >2, Add</i>	0.13	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.51	
			<i>For Skewed Or Sloped Connections, Add</i>	2.76	
05 12 23 00-0379	LF		W6 x 9 A992/A36 Structural Beam Or Girder	20.95	7.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.89	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.19	
			<i>For Each Additional Top Copes >2, Add</i>	0.13	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.08	
			<i>For Skewed Or Sloped Connections, Add</i>	2.51	
05 12 23 00-0380			A992/A36 Structural Steel, M Shapes (05 12 23 00-0162)		
			Note: Includes material delivery and erection.		
05 12 23 00-0381	LF		M14 x 18 A992/A36 Structural Steel	43.03	13.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.61	
05 12 23 00-0382	LF		M12 x 11.8 A992/A36 Structural Steel	31.43	11.70
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.83	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	6.29	
05 12 23 00-0383	LF		M10 x 9 A992/A36 Structural Steel	24.47	9.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	4.89	
05 12 23 00-0384	LF		M8 x 6.5 A992/A36 Structural Steel	17.68	6.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	3.54	
05 12 23 00-0385	LF		M6 x 20 A992/A36 Structural Steel	47.98	15.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.32	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.60	
05 12 23 00-0386	LF		M6 x 4.4 A992/A36 Structural Steel	11.96	4.59
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.08	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	2.39	
05 12 23 00-0387	LF		M5 x 18.9 A992/A36 Structural Steel	46.35	15.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.27	
05 12 23 00-0388	LF		M4 x 13 A992/A36 Structural Steel	38.51	14.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.47	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	7.70	
05 12 23 00-0389			A992/A36 Structural Steel, S Shapes (05 12 23 00-0162)		
			Note: Includes material delivery and erection.		
05 12 23 00-0390	LF		S24 x 121 A992/A36 Structural Steel	255.62	67.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.01	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.12	
05 12 23 00-0391	LF		S24 x 106 A992/A36 Structural Steel	227.24	61.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.45	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.45	
05 12 23 00-0392	LF		S24 x 100 A992/A36 Structural Steel	217.63	61.36
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.53	
05 12 23 00-0393	LF		S24 x 90 A992/A36 Structural Steel	198.97	58.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.79	
05 12 23 00-0394	LF		S24 x 80 A992/A36 Structural Steel	179.75	54.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.18	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.95	
05 12 23 00-0395	LF		S20 x 96 A992/A36 Structural Steel	208.93	58.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.80	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.79	
05 12 23 00-0396	LF		S20 x 86 A992/A36 Structural Steel	190.12	55.54
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.11	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.02	
05 12 23 00-0397	LF		S20 x 75 A992/A36 Structural Steel	168.52	50.99
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.70	
05 12 23 00-0398	LF		S20 x 66 A992/A36 Structural Steel	150.83	47.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.57	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.17	
05 12 23 00-0399	LF		S18 x 70 A992/A36 Structural Steel	159.97	50.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.99	
05 12 23 00-0400	LF		S18 x 54.7 A992/A36 Structural Steel	127.20	41.21
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.45	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.44	
05 12 23 00-0401	LF		S15 x 50 A992/A36 Structural Steel	118.38	39.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.65	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.68	
05 12 23 00-0402	LF		S15 x 42.9 A992/A36 Structural Steel	103.48	35.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.31	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0403	LF		S12 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.26 10.46 23.25	37.66
05 12 23 00-0404	LF		S12 x 40.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.60 8.69 19.32	32.36
05 12 23 00-0405	LF		S12 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.42 7.60 16.88	29.21
05 12 23 00-0406	LF		S12 x 31.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.20 7.04 15.64	27.94
05 12 23 00-0407	LF		S10 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.06 7.75 17.21	30.75
05 12 23 00-0408	LF		S10 x 25.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.71 5.73 12.74	23.49
05 12 23 00-0409	LF		S8 x 23 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.69 5.19 11.54	21.27
05 12 23 00-0410	LF		S8 x 18.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.11 4.24 9.42	17.92
05 12 23 00-0411	LF		S7 x 20 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.20 4.61 10.24	19.47
05 12 23 00-0412	LF		S7 x 15.3 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.01 3.60 8.00	15.68
05 12 23 00-0413	LF		S6 x 17.25 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.04 3.87 8.61	15.73
05 12 23 00-0414	LF		S6 x 12.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.10 3.34 7.42	14.54
05 12 23 00-0415	LF		S5 x 14.75 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.36 3.54 7.87	14.81
05 12 23 00-0416	LF		S5 x 10 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.78 3.04 6.76	14.44
05 12 23 00-0417	LF		S4 x 9.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.93 2.96 6.59	14.44
05 12 23 00-0418	LF		S4 x 7.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.96 2.79 6.19	14.44
05 12 23 00-0419	LF		S3 x 7.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.78 2.77 6.16	14.44
05 12 23 00-0420	LF		S3 x 5.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.41 2.56 5.68	14.35
05 12 23 00-0421			A992/A36 Structural Steel, HP Shapes <small>(05 12 23 00-0162)</small>		
Note: Includes material delivery and erection.					
05 12 23 00-0422	LF		HP14 x 117 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	151.98 13.68 30.40	19.85
05 12 23 00-0423	LF		HP14 x 102 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	133.27 11.99 26.65	18.47
05 12 23 00-0424	LF		HP14 x 89 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.96 10.71 23.79	17.32
05 12 23 00-0425	LF		HP14 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.99 8.91 19.80	16.33
05 12 23 00-0426	LF		HP13 x 100 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.65 11.76 26.13	18.11
05 12 23 00-0427	LF		HP13 x 87 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.29 10.47 23.26	16.94
05 12 23 00-0428	LF		HP13 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.99 8.91 19.80	16.33
05 12 23 00-0429	LF		HP13 x 60 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.33 7.59 16.87	15.65
05 12 23 00-0430	LF		HP12 x 84 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.18 9.92 22.04	17.86

05	05 Metals
	05 10 Structural Metal Framing
	05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0431	LF		HP12 x 74 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.62 8.79 19.52	16.85
05 12 23 00-0432	LF		HP12 x 63 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.29 7.59 16.86	15.49
05 12 23 00-0433	LF		HP12 x 53 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.42 6.97 15.48	14.73
05 12 23 00-0434	LF		HP10 x 57 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.45 7.33 16.29	15.12
05 12 23 00-0435	LF		HP10 x 42 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.57 6.08 13.51	14.17
05 12 23 00-0436	LF		HP8 x 36 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.01 5.31 11.80	13.36
05 12 23 00-0437			Lightweight Framing Steel Shapes (05 12 23)		
05 12 23 00-0438			Angle Iron - L (05 12 23 00-0437)		
05 12 23 00-0439			1/8" Thick (05 12 23 00-0438)		
05 12 23 00-0440	LF		1/2" x 1/2" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.07 -0.14 -0.19 -0.28 -0.38 0.83 0.05 0.16 0.74 0.41	1.36
05 12 23 00-0441	LF		3/4" x 1/2" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.38 -0.15 -0.21 -0.32 -0.43 1.06 0.06 0.20 0.94 0.48	1.54
05 12 23 00-0442	LF		3/4" x 3/4" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.66 -0.17 -0.24 -0.36 -0.48 1.31 0.07 0.25 1.17 0.53	1.69
05 12 23 00-0443	LF		1" x 3/4" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.00 -0.19 -0.26 -0.40 -0.54 1.54 0.09 0.30 1.37 0.60	1.88
05 12 23 00-0444	LF		1" x 1" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.27 -0.20 -0.29 -0.43 -0.58 1.79 0.10 0.35 1.60 0.65	2.03
05 12 23 00-0445	LF		1-1/4" x 1-1/4" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.89 -0.24 -0.34 -0.51 -0.69 2.24 0.13 0.43 2.00 0.78	2.40



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0446 LF 1-1/2" x 1" x 1/8" Angle Iron.....	3.89	2.40
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.69	
For 316 Stainless Steel, Add	2.24	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.43	
For 304 Stainless Steel, Add	2.00	
For High Strength Steel (HSS), Add	0.78	
05 12 23 00-0447 LF 1-1/2" x 1-1/2" x 1/8" Angle Iron.....	4.67	2.87
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.62	
For >1,000, Deduct	-0.83	
For 316 Stainless Steel, Add	2.72	
For Aluminum, Add	0.15	
For Galvanized Steel, Add	0.53	
For 304 Stainless Steel, Add	2.42	
For High Strength Steel (HSS), Add	0.93	
05 12 23 00-0448 LF 2" x 2" x 1/8" Angle Iron.....	6.34	3.90
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.84	
For >1,000, Deduct	-1.12	
For 316 Stainless Steel, Add	3.68	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.71	
For 304 Stainless Steel, Add	3.28	
For High Strength Steel (HSS), Add	1.27	
05 12 23 00-0449 3/16" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0450 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron.....	4.40	2.53
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.75	
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	
For High Strength Steel (HSS), Add	0.88	
05 12 23 00-0451 LF 1-1/2" x 1" x 3/16" Angle Iron.....	4.40	2.53
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.75	
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	
For High Strength Steel (HSS), Add	0.88	
05 12 23 00-0452 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron.....	4.86	2.71
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.82	
For 316 Stainless Steel, Add	4.00	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.78	
For 304 Stainless Steel, Add	3.56	
For High Strength Steel (HSS), Add	0.97	
05 12 23 00-0453 LF 2" x 2" x 3/16" Angle Iron.....	5.57	2.91
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.90	
For 316 Stainless Steel, Add	5.44	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.05	
For 304 Stainless Steel, Add	4.85	
For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0454 LF 2-1/2" x 2" x 3/16" Angle Iron.....	6.07	3.11
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.97	
For 316 Stainless Steel, Add	6.14	
For Aluminum, Add	0.35	
For Galvanized Steel, Add	1.19	
For 304 Stainless Steel, Add	5.47	
For High Strength Steel (HSS), Add	1.21	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0455	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron.....	6.60	3.33
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000, Deduct</i>	-1.05	
			<i>For 316 Stainless Steel, Add</i>	6.88	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	6.13	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0456	LF		3" x 2" x 3/16" Angle Iron.....	6.59	3.33
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000, Deduct</i>	-1.05	
			<i>For 316 Stainless Steel, Add</i>	6.85	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	6.10	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0457	LF		3" x 2-1/2" x 3/16" Angle Iron.....	7.28	3.68
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	7.58	
			<i>For Aluminum, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.47	
			<i>For 304 Stainless Steel, Add</i>	6.75	
			<i>For High Strength Steel (HSS), Add</i>	1.46	
05 12 23 00-0458	LF		3" x 3" x 3/16" Angle Iron.....	7.96	4.03
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.94	
			<i>For >1,000, Deduct</i>	-1.27	
			<i>For 316 Stainless Steel, Add</i>	8.29	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	7.38	
			<i>For High Strength Steel (HSS), Add</i>	1.59	
05 12 23 00-0459	LF		1/4" Thick <small>(05 12 23 00-0438)</small>	4.88	2.68
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000, Deduct</i>	-0.81	
			<i>For 316 Stainless Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.76	
			<i>For High Strength Steel (HSS), Add</i>	0.98	
05 12 23 00-0461	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron.....	5.43	2.86
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000, Deduct</i>	-0.88	
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.09	
05 12 23 00-0462	LF		2" x 2" x 1/4" Angle Iron.....	6.29	3.05
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.72	
			<i>For >1,000, Deduct</i>	-0.98	
			<i>For 316 Stainless Steel, Add</i>	7.10	
			<i>For Aluminum, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.38	
			<i>For 304 Stainless Steel, Add</i>	6.33	
			<i>For High Strength Steel (HSS), Add</i>	1.26	
05 12 23 00-0463	LF		2-1/2" x 2" x 1/4" Angle Iron.....	7.04	3.38
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For 316 Stainless Steel, Add</i>	8.10	
			<i>For Aluminum, Add</i>	0.46	
			<i>For Galvanized Steel, Add</i>	1.57	
			<i>For 304 Stainless Steel, Add</i>	7.21	
			<i>For High Strength Steel (HSS), Add</i>	1.41	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0464	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron.....	7.80	3.70
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.88	
			<i>For >1,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	9.15	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.77	
			<i>For 304 Stainless Steel, Add</i>	8.15	
			<i>For High Strength Steel (HSS), Add</i>	1.56	
05 12 23 00-0465	LF		3" x 2" x 1/4" Angle Iron.....	7.80	3.70
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.88	
			<i>For >1,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	9.15	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.77	
			<i>For 304 Stainless Steel, Add</i>	8.15	
			<i>For High Strength Steel (HSS), Add</i>	1.56	
05 12 23 00-0466	LF		3" x 2-1/2" x 1/4" Angle Iron.....	8.63	4.12
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.33	
			<i>For 316 Stainless Steel, Add</i>	10.05	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.95	
			<i>For 304 Stainless Steel, Add</i>	8.95	
			<i>For High Strength Steel (HSS), Add</i>	1.73	
05 12 23 00-0467	LF		3" x 3" x 1/4" Angle Iron.....	9.44	4.52
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.46	
			<i>For 316 Stainless Steel, Add</i>	10.91	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.11	
			<i>For 304 Stainless Steel, Add</i>	9.72	
			<i>For High Strength Steel (HSS), Add</i>	1.89	
05 12 23 00-0468	LF		3-1/2" x 3" x 1/4" Angle Iron.....	10.24	4.86
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.58	
			<i>For 316 Stainless Steel, Add</i>	12.03	
			<i>For Aluminum, Add</i>	0.68	
			<i>For Galvanized Steel, Add</i>	2.33	
			<i>For 304 Stainless Steel, Add</i>	10.72	
			<i>For High Strength Steel (HSS), Add</i>	2.05	
05 12 23 00-0469	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron.....	10.81	0.50
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000, Deduct</i>	-1.66	
			<i>For 316 Stainless Steel, Add</i>	12.96	
			<i>For Aluminum, Add</i>	0.73	
			<i>For Galvanized Steel, Add</i>	2.51	
			<i>For 304 Stainless Steel, Add</i>	11.54	
			<i>For High Strength Steel (HSS), Add</i>	2.16	
05 12 23 00-0470	LF		4" x 3" x 1/4" Angle Iron.....	10.81	5.07
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000, Deduct</i>	-1.66	
			<i>For 316 Stainless Steel, Add</i>	12.96	
			<i>For Aluminum, Add</i>	0.73	
			<i>For Galvanized Steel, Add</i>	2.51	
			<i>For 304 Stainless Steel, Add</i>	11.54	
			<i>For High Strength Steel (HSS), Add</i>	2.16	
05 12 23 00-0471	LF		4" x 3-1/2" x 1/4" Angle Iron.....	11.37	5.28
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	13.82	
			<i>For Aluminum, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.68	
			<i>For 304 Stainless Steel, Add</i>	12.31	
			<i>For High Strength Steel (HSS), Add</i>	2.27	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0472	LF		4" x 4" x 1/4" Angle Iron	11.96	5.52
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000, Deduct	-1.82	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.39	
05 12 23 00-0473	LF		5" x 3" x 1/4" Angle Iron	11.96	5.52
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000, Deduct	-1.82	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.39	
05 12 23 00-0474	LF		5" x 3-1/2" x 1/4" Angle Iron	12.63	5.81
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.41	
			For >1,000, Deduct	-1.92	
			For 316 Stainless Steel, Add	15.62	
			For Aluminum, Add	0.88	
			For Galvanized Steel, Add	3.03	
			For 304 Stainless Steel, Add	13.91	
			For High Strength Steel (HSS), Add	2.53	
05 12 23 00-0475			5/16" Thick (05 12 23 00-0438)		
05 12 23 00-0476	LF		2-1/2" x 2" x 5/16" Angle Iron	8.37	3.93
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.60	
			For >500 To 1,000, Deduct	-0.94	
			For >1,000, Deduct	-1.28	
			For 316 Stainless Steel, Add	10.05	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For 304 Stainless Steel, Add	8.95	
			For High Strength Steel (HSS), Add	1.67	
05 12 23 00-0477	LF		2-1/2" x 2-1/2" x 5/16" Angle Iron	9.05	4.17
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.64	
			For >500 To 1,000, Deduct	-1.01	
			For >1,000, Deduct	-1.37	
			For 316 Stainless Steel, Add	11.17	
			For Aluminum, Add	0.63	
			For Galvanized Steel, Add	2.16	
			For 304 Stainless Steel, Add	9.95	
			For High Strength Steel (HSS), Add	1.81	
05 12 23 00-0478	LF		3" x 2" x 5/16" Angle Iron	9.05	4.17
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.64	
			For >500 To 1,000, Deduct	-1.01	
			For >1,000, Deduct	-1.37	
			For 316 Stainless Steel, Add	11.17	
			For Aluminum, Add	0.63	
			For Galvanized Steel, Add	2.16	
			For 304 Stainless Steel, Add	9.95	
			For High Strength Steel (HSS), Add	1.81	
05 12 23 00-0479	LF		3" x 2-1/2" x 5/16" Angle Iron	10.00	4.57
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.71	
			For >500 To 1,000, Deduct	-1.11	
			For >1,000, Deduct	-1.51	
			For 316 Stainless Steel, Add	12.51	
			For Aluminum, Add	0.70	
			For Galvanized Steel, Add	2.42	
			For 304 Stainless Steel, Add	11.14	
			For High Strength Steel (HSS), Add	2.00	
05 12 23 00-0480	LF		3" x 3" x 5/16" Angle Iron	10.87	4.96
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000, Deduct	-1.64	
			For 316 Stainless Steel, Add	13.63	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For 304 Stainless Steel, Add	12.14	
			For High Strength Steel (HSS), Add	2.17	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0481 LF 3-1/2" x 3" x 5/16" Angle Iron.....	11.56	5.21
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.74	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.31	
05 12 23 00-0482 LF 3-1/2" x 3-1/2" x 5/16" Angle Iron.....	12.32	5.48
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.84	
For 316 Stainless Steel, Add	16.06	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.11	
For 304 Stainless Steel, Add	14.31	
For High Strength Steel (HSS), Add	2.46	
05 12 23 00-0483 LF 4" x 3" x 5/16" Angle Iron.....	12.32	5.48
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.84	
For 316 Stainless Steel, Add	16.06	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.11	
For 304 Stainless Steel, Add	14.31	
For High Strength Steel (HSS), Add	2.46	
05 12 23 00-0484 LF 4" x 3-1/2" x 5/16" Angle Iron.....	13.07	5.79
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.42	
For >1,000, Deduct	-1.94	
For 316 Stainless Steel, Add	17.15	
For Aluminum, Add	0.96	
For Galvanized Steel, Add	3.32	
For 304 Stainless Steel, Add	15.28	
For High Strength Steel (HSS), Add	2.61	
05 12 23 00-0485 LF 4" x 4" x 5/16" Angle Iron.....	13.78	6.04
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.04	
For 316 Stainless Steel, Add	18.34	
For Aluminum, Add	1.03	
For Galvanized Steel, Add	3.55	
For 304 Stainless Steel, Add	16.33	
For High Strength Steel (HSS), Add	2.76	
05 12 23 00-0486 LF 5" x 3" x 5/16" Angle Iron.....	13.78	6.04
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.04	
For 316 Stainless Steel, Add	18.34	
For Aluminum, Add	1.03	
For Galvanized Steel, Add	3.55	
For 304 Stainless Steel, Add	16.33	
For High Strength Steel (HSS), Add	2.76	
05 12 23 00-0487 LF 5" x 3-1/2" x 5/16" Angle Iron.....	14.45	6.29
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-0.99	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.13	
For 316 Stainless Steel, Add	19.39	
For Aluminum, Add	1.09	
For Galvanized Steel, Add	3.76	
For 304 Stainless Steel, Add	17.27	
For High Strength Steel (HSS), Add	2.89	
05 12 23 00-0488 LF 5" x 5" x 5/16" Angle Iron.....	15.94	6.56
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.29	
For 316 Stainless Steel, Add	23.01	
For Aluminum, Add	1.29	
For Galvanized Steel, Add	4.46	
For 304 Stainless Steel, Add	20.49	
For High Strength Steel (HSS), Add	3.19	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0489	LF		6" x 3-1/2" x 5/16" Angle Iron.....	15.94	6.83
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.71	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For 316 Stainless Steel, Add</i>	21.86	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	4.23	
			<i>For 304 Stainless Steel, Add</i>	19.47	
			<i>For High Strength Steel (HSS), Add</i>	3.19	
05 12 23 00-0490			3/8" Thick (05 12 23 00-0438)		
05 12 23 00-0491	LF		3" x 2" x 3/8" Angle Iron.....	9.92	4.36
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.47	
			<i>For 316 Stainless Steel, Add</i>	13.15	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.55	
			<i>For 304 Stainless Steel, Add</i>	11.71	
			<i>For High Strength Steel (HSS), Add</i>	1.98	
05 12 23 00-0492	LF		3" x 2-1/2" x 3/8" Angle Iron.....	10.90	4.72
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.17	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	14.75	
			<i>For Aluminum, Add</i>	0.83	
			<i>For Galvanized Steel, Add</i>	2.86	
			<i>For 304 Stainless Steel, Add</i>	13.14	
			<i>For High Strength Steel (HSS), Add</i>	2.18	
05 12 23 00-0493	LF		3" x 3" x 3/8" Angle Iron.....	11.79	5.08
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	16.06	
			<i>For Aluminum, Add</i>	0.90	
			<i>For Galvanized Steel, Add</i>	3.11	
			<i>For 304 Stainless Steel, Add</i>	14.31	
			<i>For High Strength Steel (HSS), Add</i>	2.36	
05 12 23 00-0494	LF		3-1/2" x 3" x 3/8" Angle Iron.....	12.48	5.22
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.81	
			<i>For 316 Stainless Steel, Add</i>	17.66	
			<i>For Aluminum, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For 304 Stainless Steel, Add</i>	15.73	
			<i>For High Strength Steel (HSS), Add</i>	2.50	
05 12 23 00-0495	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron.....	13.27	5.51
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.40	
			<i>For >1,000, Deduct</i>	-1.91	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
			<i>For High Strength Steel (HSS), Add</i>	2.65	
05 12 23 00-0496	LF		4" x 3" x 3/8" Angle Iron.....	13.27	5.51
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.40	
			<i>For >1,000, Deduct</i>	-1.91	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
			<i>For High Strength Steel (HSS), Add</i>	2.65	
05 12 23 00-0497	LF		4" x 3-1/2" x 3/8" Angle Iron.....	14.34	6.00
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.08	
			<i>For 316 Stainless Steel, Add</i>	20.29	
			<i>For Aluminum, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.93	
			<i>For 304 Stainless Steel, Add</i>	18.07	
			<i>For High Strength Steel (HSS), Add</i>	2.87	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0498	LF		4" x 4" x 3/8" Angle Iron	15.06	6.18
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.16	
			<i>For 316 Stainless Steel, Add</i>	21.86	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	4.23	
			<i>For 304 Stainless Steel, Add</i>	19.47	
			<i>For High Strength Steel (HSS), Add</i>	3.01	
05 12 23 00-0499	LF		5" x 3" x 3/8" Angle Iron	15.40	6.42
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.63	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For 316 Stainless Steel, Add</i>	21.86	
			<i>For Aluminum, Add</i>	1.23	
			<i>For Galvanized Steel, Add</i>	4.23	
			<i>For 304 Stainless Steel, Add</i>	19.47	
			<i>For High Strength Steel (HSS), Add</i>	3.08	
05 12 23 00-0500	LF		5" x 3-1/2" x 3/8" Angle Iron.....	16.48	6.92
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500 To 1,000, Deduct</i>	-1.75	
			<i>For >1,000, Deduct</i>	-2.39	
			<i>For 316 Stainless Steel, Add</i>	23.20	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	20.66	
			<i>For High Strength Steel (HSS), Add</i>	3.30	
05 12 23 00-0501	LF		5" x 5" x 3/8" Angle Iron	19.35	8.06
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.04	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For 316 Stainless Steel, Add</i>	27.49	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.33	
			<i>For 304 Stainless Steel, Add</i>	24.48	
			<i>For High Strength Steel (HSS), Add</i>	3.87	
05 12 23 00-0502	LF		6" x 3-1/2" x 3/8" Angle Iron.....	18.14	7.50
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.91	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For 316 Stainless Steel, Add</i>	26.08	
			<i>For Aluminum, Add</i>	1.47	
			<i>For Galvanized Steel, Add</i>	5.05	
			<i>For 304 Stainless Steel, Add</i>	23.23	
			<i>For High Strength Steel (HSS), Add</i>	3.63	
05 12 23 00-0503	LF		6" x 4" x 3/8" Angle Iron	19.35	8.06
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.04	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For 316 Stainless Steel, Add</i>	27.49	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.33	
			<i>For 304 Stainless Steel, Add</i>	24.48	
			<i>For High Strength Steel (HSS), Add</i>	3.87	
05 12 23 00-0504	LF		6" x 6" x 3/8" Angle Iron	23.31	9.68
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.46	
			<i>For >1,000, Deduct</i>	-3.36	
			<i>For 316 Stainless Steel, Add</i>	33.31	
			<i>For Aluminum, Add</i>	1.87	
			<i>For Galvanized Steel, Add</i>	6.45	
			<i>For 304 Stainless Steel, Add</i>	29.67	
			<i>For High Strength Steel (HSS), Add</i>	4.66	
05 12 23 00-0505	LF		7" x 4" x 3/8" Angle Iron	21.34	8.88
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.08	
			<i>For 316 Stainless Steel, Add</i>	30.40	
			<i>For Aluminum, Add</i>	1.71	
			<i>For Galvanized Steel, Add</i>	5.89	
			<i>For 304 Stainless Steel, Add</i>	27.08	
			<i>For High Strength Steel (HSS), Add</i>	4.27	

05 12 23 00-0506 1/2" Thick (05 12 23 00-0438)

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0507	LF		3" x 3" x 1/2" Angle Iron	13.49	5.19
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.86	
			For >500 To 1,000, Deduct	-1.37	
			For >1,000, Deduct	-1.88	
			For 316 Stainless Steel, Add	21.02	
			For Aluminum, Add	1.18	
			For Galvanized Steel, Add	4.07	
			For 304 Stainless Steel, Add	18.72	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0508	LF		4" x 3" x 1/2" Angle Iron	15.93	6.13
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-1.61	
			For >1,000, Deduct	-2.22	
			For 316 Stainless Steel, Add	24.80	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.81	
			For 304 Stainless Steel, Add	22.09	
			For High Strength Steel (HSS), Add	3.19	
05 12 23 00-0509	LF		4" x 3-1/2" x 1/2" Angle Iron	17.08	6.57
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.08	
			For >500 To 1,000, Deduct	-1.73	
			For >1,000, Deduct	-2.38	
			For 316 Stainless Steel, Add	26.59	
			For Aluminum, Add	1.50	
			For Galvanized Steel, Add	5.15	
			For 304 Stainless Steel, Add	23.68	
			For High Strength Steel (HSS), Add	3.42	
05 12 23 00-0510	LF		4" x 4" x 1/2" Angle Iron	18.37	7.08
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.17	
			For >500 To 1,000, Deduct	-1.86	
			For >1,000, Deduct	-2.56	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.67	
05 12 23 00-0511	LF		5" x 3" x 1/2" Angle Iron	18.37	7.08
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.17	
			For >500 To 1,000, Deduct	-1.86	
			For >1,000, Deduct	-2.56	
			For 316 Stainless Steel, Add	28.61	
			For Aluminum, Add	1.61	
			For Galvanized Steel, Add	5.54	
			For 304 Stainless Steel, Add	25.48	
			For High Strength Steel (HSS), Add	3.67	
05 12 23 00-0512	LF		5" x 3-1/2" x 1/2" Angle Iron	19.51	7.52
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-1.24	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000, Deduct	-2.71	
			For 316 Stainless Steel, Add	30.40	
			For Aluminum, Add	1.71	
			For Galvanized Steel, Add	5.89	
			For 304 Stainless Steel, Add	27.08	
			For High Strength Steel (HSS), Add	3.90	
05 12 23 00-0513	LF		5" x 5" x 1/2" Angle Iron	23.26	8.95
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.48	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000, Deduct	-3.24	
			For 316 Stainless Steel, Add	36.22	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.02	
			For 304 Stainless Steel, Add	32.26	
			For High Strength Steel (HSS), Add	4.65	
05 12 23 00-0514	LF		6" x 4" x 1/2" Angle Iron	23.26	8.95
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.48	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000, Deduct	-3.24	
			For 316 Stainless Steel, Add	36.22	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.02	
			For 304 Stainless Steel, Add	32.26	
			For High Strength Steel (HSS), Add	4.65	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0515	LF		6" x 6" x 1/2" Angle Iron	28.13	10.83
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-3.91	
			<i>For 316 Stainless Steel, Add</i>	43.81	
			<i>For Aluminum, Add</i>	2.46	
			<i>For Galvanized Steel, Add</i>	8.49	
			<i>For 304 Stainless Steel, Add</i>	39.02	
			<i>For High Strength Steel (HSS), Add</i>	5.63	
05 12 23 00-0516	LF		7" x 4" x 1/2" Angle Iron	25.69	9.89
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For 316 Stainless Steel, Add</i>	40.00	
			<i>For Aluminum, Add</i>	2.25	
			<i>For Galvanized Steel, Add</i>	7.75	
			<i>For 304 Stainless Steel, Add</i>	35.63	
			<i>For High Strength Steel (HSS), Add</i>	5.14	
05 12 23 00-0517	LF		8" x 4" x 1/2" Angle Iron	28.13	10.83
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-3.91	
			<i>For 316 Stainless Steel, Add</i>	43.81	
			<i>For Aluminum, Add</i>	2.46	
			<i>For Galvanized Steel, Add</i>	8.49	
			<i>For 304 Stainless Steel, Add</i>	39.02	
			<i>For High Strength Steel (HSS), Add</i>	5.63	
05 12 23 00-0518	LF		8" x 6" x 1/2" Angle Iron	33.02	12.71
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-2.10	
			<i>For >500 To 1,000, Deduct</i>	-3.35	
			<i>For >1,000, Deduct</i>	-4.60	
			<i>For 316 Stainless Steel, Add</i>	51.42	
			<i>For Aluminum, Add</i>	2.89	
			<i>For Galvanized Steel, Add</i>	9.96	
			<i>For 304 Stainless Steel, Add</i>	45.80	
			<i>For High Strength Steel (HSS), Add</i>	6.60	
05 12 23 00-0519	LF		8" x 8" x 1/2" Angle Iron	37.90	14.58
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500 To 1,000, Deduct</i>	-3.84	
			<i>For >1,000, Deduct</i>	-5.28	
			<i>For 316 Stainless Steel, Add</i>	59.01	
			<i>For Aluminum, Add</i>	3.32	
			<i>For Galvanized Steel, Add</i>	11.43	
			<i>For 304 Stainless Steel, Add</i>	52.55	
			<i>For High Strength Steel (HSS), Add</i>	7.58	
05 12 23 00-0520			5/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0521	LF		4" x 4" x 5/8" Angle Iron	21.78	8.11
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.17	
			<i>For >1,000, Deduct</i>	-2.98	
			<i>For 316 Stainless Steel, Add</i>	35.10	
			<i>For Aluminum, Add</i>	1.97	
			<i>For Galvanized Steel, Add</i>	6.80	
			<i>For High Strength Steel (HSS), Add</i>	4.36	
05 12 23 00-0522	LF		5" x 3-1/2" x 5/8" Angle Iron	23.30	8.68
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500 To 1,000, Deduct</i>	-2.32	
			<i>For >1,000, Deduct</i>	-3.19	
			<i>For 316 Stainless Steel, Add</i>	37.57	
			<i>For Aluminum, Add</i>	2.11	
			<i>For Galvanized Steel, Add</i>	7.28	
			<i>For High Strength Steel (HSS), Add</i>	4.66	
05 12 23 00-0523	LF		5" x 5" x 5/8" Angle Iron	27.74	10.33
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.76	
			<i>For >1,000, Deduct</i>	-3.80	
			<i>For 316 Stainless Steel, Add</i>	44.70	
			<i>For Aluminum, Add</i>	2.51	
			<i>For Galvanized Steel, Add</i>	8.66	
			<i>For High Strength Steel (HSS), Add</i>	5.55	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0524	LF		6" x 4" x 5/8" Angle Iron	27.74	10.33
			For >100 To 250, Deduct	-1.03	
			For >250 To 500, Deduct	-1.73	
			For >500 To 1,000, Deduct	-2.76	
			For >1,000, Deduct	-3.80	
			For 316 Stainless Steel, Add	44.70	
			For Aluminum, Add	2.51	
			For Galvanized Steel, Add	8.66	
			For High Strength Steel (HSS), Add	5.55	
05 12 23 00-0525	LF		6" x 6" x 5/8" Angle Iron	33.57	12.50
			For >100 To 250, Deduct	-1.25	
			For >250 To 500, Deduct	-2.09	
			For >500 To 1,000, Deduct	-3.35	
			For >1,000, Deduct	-4.60	
			For 316 Stainless Steel, Add	54.08	
			For Aluminum, Add	3.04	
			For Galvanized Steel, Add	10.48	
			For High Strength Steel (HSS), Add	6.71	
05 12 23 00-0526	LF		7" x 4" x 5/8" Angle Iron	30.66	11.41
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.91	
			For >500 To 1,000, Deduct	-3.06	
			For >1,000, Deduct	-4.20	
			For 316 Stainless Steel, Add	49.41	
			For Aluminum, Add	2.78	
			For Galvanized Steel, Add	9.57	
			For High Strength Steel (HSS), Add	6.13	
05 12 23 00-0527	LF		8" x 6" x 5/8" Angle Iron	39.54	14.72
			For >100 To 250, Deduct	-1.47	
			For >250 To 500, Deduct	-2.46	
			For >500 To 1,000, Deduct	-3.94	
			For >1,000, Deduct	-5.42	
			For 316 Stainless Steel, Add	63.71	
			For Aluminum, Add	3.58	
			For Galvanized Steel, Add	12.34	
			For High Strength Steel (HSS), Add	7.91	
05 12 23 00-0528	LF		8" x 8" x 5/8" Angle Iron	45.36	16.89
			For >100 To 250, Deduct	-1.69	
			For >250 To 500, Deduct	-2.82	
			For >500 To 1,000, Deduct	-4.52	
			For >1,000, Deduct	-6.22	
			For 316 Stainless Steel, Add	73.09	
			For Aluminum, Add	4.11	
			For Galvanized Steel, Add	14.16	
			For High Strength Steel (HSS), Add	9.07	
05 12 23 00-0529			3/4" Thick (05 12 23 00-0438)		
05 12 23 00-0530	LF		4" x 4" x 3/4" Angle Iron	24.88	8.96
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.52	
			For >500 To 1,000, Deduct	-2.44	
			For >1,000, Deduct	-3.36	
			For 316 Stainless Steel, Add	41.38	
			For Aluminum, Add	2.33	
			For Galvanized Steel, Add	8.02	
			For High Strength Steel (HSS), Add	4.98	
05 12 23 00-0531	LF		5" x 3-1/2" x 3/4" Angle Iron	26.61	9.59
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.62	
			For >500 To 1,000, Deduct	-2.61	
			For >1,000, Deduct	-3.59	
			For 316 Stainless Steel, Add	44.26	
			For Aluminum, Add	2.49	
			For Galvanized Steel, Add	8.57	
			For High Strength Steel (HSS), Add	5.32	
05 12 23 00-0532	LF		5" x 5" x 3/4" Angle Iron	31.73	11.43
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.94	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-4.28	
			For 316 Stainless Steel, Add	52.77	
			For Aluminum, Add	2.97	
			For Galvanized Steel, Add	10.22	
			For High Strength Steel (HSS), Add	6.35	
05 12 23 00-0533	LF		6" x 4" x 3/4" Angle Iron	31.73	11.43
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.94	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-4.28	
			For 316 Stainless Steel, Add	52.77	
			For Aluminum, Add	2.97	
			For Galvanized Steel, Add	10.22	
			For High Strength Steel (HSS), Add	6.35	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0534 LF 6" x 6" x 3/4" Angle Iron	38.57	13.89
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.21	
For 316 Stainless Steel, Add	64.13	
For Aluminum, Add	3.61	
For Galvanized Steel, Add	12.42	
For High Strength Steel (HSS), Add	7.71	
05 12 23 00-0535 LF 7" x 4" x 3/4" Angle Iron	35.21	12.68
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.15	
For >500 To 1,000, Deduct	-3.45	
For >1,000, Deduct	-4.75	
For 316 Stainless Steel, Add	58.56	
For Aluminum, Add	3.29	
For Galvanized Steel, Add	11.35	
For High Strength Steel (HSS), Add	7.04	
05 12 23 00-0536 LF 8" x 4" x 3/4" Angle Iron	38.57	13.89
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.21	
For 316 Stainless Steel, Add	64.13	
For Aluminum, Add	3.61	
For Galvanized Steel, Add	12.42	
For High Strength Steel (HSS), Add	7.71	
05 12 23 00-0537 LF 8" x 6" x 3/4" Angle Iron	45.43	16.37
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.77	
For >500 To 1,000, Deduct	-4.45	
For >1,000, Deduct	-6.13	
For 316 Stainless Steel, Add	75.55	
For Aluminum, Add	4.25	
For Galvanized Steel, Add	14.64	
For High Strength Steel (HSS), Add	9.09	
05 12 23 00-0538 LF 8" x 8" x 3/4" Angle Iron	52.28	18.83
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-3.19	
For >500 To 1,000, Deduct	-5.13	
For >1,000, Deduct	-7.06	
For 316 Stainless Steel, Add	86.94	
For Aluminum, Add	4.89	
For Galvanized Steel, Add	16.85	
For High Strength Steel (HSS), Add	10.46	
05 12 23 00-0539 7/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0540 LF 5" x 5" x 7/8" Angle Iron	35.38	12.29
For >100 To 250, Deduct	-1.23	
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.41	
For >1,000, Deduct	-4.70	
For 316 Stainless Steel, Add	60.77	
For Aluminum, Add	3.42	
For Galvanized Steel, Add	11.77	
For High Strength Steel (HSS), Add	7.08	
05 12 23 00-0541 LF 6" x 4" x 7/8" Angle Iron	35.38	12.29
For >100 To 250, Deduct	-1.23	
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.41	
For >1,000, Deduct	-4.70	
For 316 Stainless Steel, Add	60.77	
For Aluminum, Add	3.42	
For Galvanized Steel, Add	11.77	
For High Strength Steel (HSS), Add	7.08	
05 12 23 00-0542 LF 6" x 6" x 7/8" Angle Iron	43.06	14.96
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.57	
For >500 To 1,000, Deduct	-4.15	
For >1,000, Deduct	-5.72	
For 316 Stainless Steel, Add	73.98	
For Aluminum, Add	4.16	
For Galvanized Steel, Add	14.33	
For High Strength Steel (HSS), Add	8.61	
05 12 23 00-0543 LF 8" x 6" x 7/8" Angle Iron	50.87	17.67
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-3.04	
For >500 To 1,000, Deduct	-4.90	
For >1,000, Deduct	-6.76	
For 316 Stainless Steel, Add	87.39	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.93	
For High Strength Steel (HSS), Add	10.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0544	LF		8" x 8" x 7/8" Angle Iron	58.55	20.34
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-3.50	
			<i>For >500 To 1,000, Deduct</i>	-5.64	
			<i>For >1,000, Deduct</i>	-7.78	
			<i>For 316 Stainless Steel, Add</i>	100.58	
			<i>For Aluminum, Add</i>	5.66	
			<i>For Galvanized Steel, Add</i>	19.49	
			<i>For High Strength Steel (HSS), Add</i>	11.71	
05 12 23 00-0545			Bar Channel (05 12 23 00-0437)		
05 12 23 00-0546	LF		1" x 1/2" x 1/8" Thick Bar Channel	3.47	
			<i>For 316 Stainless Steel, Add</i>	2.43	
			<i>For Aluminum, Add</i>	0.14	
			<i>For Galvanized Steel, Add</i>	0.47	
			<i>For 304 Stainless Steel, Add</i>	2.17	
			<i>For High Strength Steel (HSS), Add</i>	0.69	
05 12 23 00-0547	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.86	
			<i>For 316 Stainless Steel, Add</i>	2.91	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.56	
			<i>For 304 Stainless Steel, Add</i>	2.59	
			<i>For High Strength Steel (HSS), Add</i>	0.77	
05 12 23 00-0548	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.20	
			<i>For 316 Stainless Steel, Add</i>	3.23	
			<i>For Aluminum, Add</i>	0.18	
			<i>For Galvanized Steel, Add</i>	0.63	
			<i>For 304 Stainless Steel, Add</i>	2.88	
			<i>For High Strength Steel (HSS), Add</i>	0.84	
05 12 23 00-0549	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.87	
			<i>For 316 Stainless Steel, Add</i>	3.36	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.97	
05 12 23 00-0550	LF		2" x 1/2" x 1/8" Thick Bar Channel	5.11	
			<i>For 316 Stainless Steel, Add</i>	4.13	
			<i>For Aluminum, Add</i>	0.23	
			<i>For Galvanized Steel, Add</i>	0.80	
			<i>For 304 Stainless Steel, Add</i>	3.68	
05 12 23 00-0551	LF		2" x 1" x 1/8" Thick Bar Channel	6.90	
			<i>For 316 Stainless Steel, Add</i>	4.61	
			<i>For Aluminum, Add</i>	0.26	
			<i>For Galvanized Steel, Add</i>	0.89	
			<i>For 304 Stainless Steel, Add</i>	4.10	
05 12 23 00-0552			Channels - C (05 12 23 00-0437)		
05 12 23 00-0553	LF		C2 x 1.78 - 2" Wide Channel	5.71	3.37
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.73	
			<i>For >1,000, Deduct</i>	-0.99	
			<i>For 316 Stainless Steel, Add</i>	3.90	
			<i>For Aluminum, Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.76	
			<i>For 304 Stainless Steel, Add</i>	3.48	
05 12 23 00-0554	LF		C3 x 4.1 - 3" Wide Channel	8.18	4.84
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.42	
			<i>For 316 Stainless Steel, Add</i>	5.54	
			<i>For Aluminum, Add</i>	0.31	
			<i>For Galvanized Steel, Add</i>	1.07	
			<i>For 304 Stainless Steel, Add</i>	4.93	
05 12 23 00-0555	LF		C3 x 5 - 3" Wide Channel	9.97	5.91
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.29	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	6.72	
			<i>For Aluminum, Add</i>	0.38	
			<i>For Galvanized Steel, Add</i>	1.30	
			<i>For 304 Stainless Steel, Add</i>	5.99	
05 12 23 00-0556	LF		C3 x 6 - 3" Wide Channel	11.98	7.09
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500 To 1,000, Deduct</i>	-1.54	
			<i>For >1,000, Deduct</i>	-2.08	
			<i>For 316 Stainless Steel, Add</i>	8.10	
			<i>For Aluminum, Add</i>	0.46	
			<i>For Galvanized Steel, Add</i>	1.57	
			<i>For 304 Stainless Steel, Add</i>	7.21	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0557 LF C4 x 5.4 - 4" Wide Channel	10.05	5.81
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.72	
For 316 Stainless Steel, Add	7.36	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.56	
05 12 23 00-0558 LF C4 x 7.25 - 4" Wide Channel	13.48	7.80
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.12	
For >500 To 1,000, Deduct	-1.71	
For >1,000, Deduct	-2.31	
For 316 Stainless Steel, Add	9.86	
For Aluminum, Add	0.55	
For Galvanized Steel, Add	1.91	
For 304 Stainless Steel, Add	8.78	
05 12 23 00-0559 LF C5 x 6.7 - 5" Wide Channel	11.95	6.77
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.50	
For >1,000, Deduct	-2.03	
For 316 Stainless Steel, Add	9.31	
For Aluminum, Add	0.52	
For Galvanized Steel, Add	1.80	
For 304 Stainless Steel, Add	8.29	
05 12 23 00-0560 LF C5 x 9 - 5" Wide Channel	16.05	9.11
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.72	
For 316 Stainless Steel, Add	12.51	
For Aluminum, Add	0.70	
For Galvanized Steel, Add	2.42	
For 304 Stainless Steel, Add	11.14	
05 12 23 00-0561 LF C6 x 8.2 - 6" Wide Channel	14.41	8.13
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	11.39	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.21	
For 304 Stainless Steel, Add	10.15	
05 12 23 00-0562 LF C6 x 10.5 - 6" Wide Channel	18.43	10.42
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.50	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.12	
For 316 Stainless Steel, Add	14.56	
For Aluminum, Add	0.82	
For Galvanized Steel, Add	2.82	
For 304 Stainless Steel, Add	12.97	
05 12 23 00-0563 LF C6 x 13 - 6" Wide Channel	22.84	12.89
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.86	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-3.86	
For 316 Stainless Steel, Add	18.05	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.50	
For 304 Stainless Steel, Add	16.07	
05 12 23 00-0564 LF C7 x 9.8 - 7" Wide Channel	17.72	9.68
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.41	
For >500 To 1,000, Deduct	-2.18	
For >1,000, Deduct	-2.94	
For 316 Stainless Steel, Add	15.39	
For Aluminum, Add	0.87	
For Galvanized Steel, Add	2.98	
For 304 Stainless Steel, Add	13.71	
05 12 23 00-0565 LF C7 x 12.25 - 7" Wide Channel	22.15	12.10
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.76	
For >500 To 1,000, Deduct	-2.72	
For >1,000, Deduct	-3.68	
For 316 Stainless Steel, Add	19.26	
For Aluminum, Add	1.08	
For Galvanized Steel, Add	3.73	
For 304 Stainless Steel, Add	17.16	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0566	LF		C7 x 14.75 - 7" Wide Channel.....	26.68	14.57
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500 To 1,000, Deduct</i>	-3.28	
			<i>For >1,000, Deduct</i>	-4.43	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0567	LF		C8 x 11.5 - 8" Wide Channel.....	19.84	10.65
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500 To 1,000, Deduct</i>	-2.41	
			<i>For >1,000, Deduct</i>	-3.26	
			<i>For 316 Stainless Steel, Add</i>	18.05	
			<i>For Aluminum, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.50	
			<i>For 304 Stainless Steel, Add</i>	16.07	
05 12 23 00-0568	LF		C8 x 13.75 - 8" Wide Channel.....	23.72	12.74
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500 To 1,000, Deduct</i>	-2.88	
			<i>For >1,000, Deduct</i>	-3.90	
			<i>For 316 Stainless Steel, Add</i>	21.57	
			<i>For Aluminum, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	4.18	
			<i>For 304 Stainless Steel, Add</i>	19.21	
05 12 23 00-0569	LF		C8 x 18.75 - 8" Wide Channel.....	32.35	17.37
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.55	
			<i>For >500 To 1,000, Deduct</i>	-3.93	
			<i>For >1,000, Deduct</i>	-5.32	
			<i>For 316 Stainless Steel, Add</i>	29.44	
			<i>For Aluminum, Add</i>	1.66	
			<i>For Galvanized Steel, Add</i>	5.70	
			<i>For 304 Stainless Steel, Add</i>	26.22	
05 12 23 00-0570	LF		C9 x 13.4 - 9" Wide Channel.....	23.12	12.41
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500 To 1,000, Deduct</i>	-2.81	
			<i>For >1,000, Deduct</i>	-3.80	
			<i>For 316 Stainless Steel, Add</i>	21.02	
			<i>For Aluminum, Add</i>	1.18	
			<i>For Galvanized Steel, Add</i>	4.07	
			<i>For 304 Stainless Steel, Add</i>	18.72	
05 12 23 00-0571	LF		C9 x 15 - 9" Wide Channel.....	25.88	13.89
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.04	
			<i>For >500 To 1,000, Deduct</i>	-3.15	
			<i>For >1,000, Deduct</i>	-4.26	
			<i>For 316 Stainless Steel, Add</i>	23.55	
			<i>For Aluminum, Add</i>	1.32	
			<i>For Galvanized Steel, Add</i>	4.56	
			<i>For 304 Stainless Steel, Add</i>	20.98	
05 12 23 00-0572	LF		C9 x 20 - 9" Wide Channel.....	34.51	18.52
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.72	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.68	
			<i>For 316 Stainless Steel, Add</i>	31.39	
			<i>For Aluminum, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	6.08	
			<i>For 304 Stainless Steel, Add</i>	27.96	
05 12 23 00-0573	LF		C10 x 15.3 - 10" Wide Channel.....	26.39	14.17
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500 To 1,000, Deduct</i>	-3.21	
			<i>For >1,000, Deduct</i>	-4.34	
			<i>For 316 Stainless Steel, Add</i>	24.00	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.65	
			<i>For 304 Stainless Steel, Add</i>	21.38	
05 12 23 00-0574	LF		C10 x 20 - 10" Wide Channel.....	34.51	18.52
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.72	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.68	
			<i>For 316 Stainless Steel, Add</i>	31.39	
			<i>For Aluminum, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	6.08	
			<i>For 304 Stainless Steel, Add</i>	27.96	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575	LF		C10 x 25 - 10" Wide Channel	43.13	23.15
			<i>For >100 To 250, Deduct</i>	-2.32	
			<i>For >250 To 500, Deduct</i>	-3.39	
			<i>For >500 To 1,000, Deduct</i>	-5.24	
			<i>For >1,000, Deduct</i>	-7.09	
			<i>For 316 Stainless Steel, Add</i>	39.23	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	34.94	
05 12 23 00-0576	LF		C10 x 30 - 10" Wide Channel	51.76	27.78
			<i>For >100 To 250, Deduct</i>	-2.78	
			<i>For >250 To 500, Deduct</i>	-4.07	
			<i>For >500 To 1,000, Deduct</i>	-6.29	
			<i>For >1,000, Deduct</i>	-8.51	
			<i>For 316 Stainless Steel, Add</i>	47.07	
			<i>For Aluminum, Add</i>	2.65	
			<i>For Galvanized Steel, Add</i>	9.12	
			<i>For 304 Stainless Steel, Add</i>	41.92	
05 12 23 00-0577	LF		C12 x 20.7 - 12" Wide Channel	35.72	19.17
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500 To 1,000, Deduct</i>	-4.34	
			<i>For >1,000, Deduct</i>	-5.88	
			<i>For 316 Stainless Steel, Add</i>	32.48	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Galvanized Steel, Add</i>	6.29	
			<i>For 304 Stainless Steel, Add</i>	28.93	
05 12 23 00-0578	LF		C12 x 25 - 12" Wide Channel	43.13	23.15
			<i>For >100 To 250, Deduct</i>	-2.32	
			<i>For >250 To 500, Deduct</i>	-3.39	
			<i>For >500 To 1,000, Deduct</i>	-5.24	
			<i>For >1,000, Deduct</i>	-7.09	
			<i>For 316 Stainless Steel, Add</i>	39.23	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	34.94	
05 12 23 00-0579	LF		C12 x 30 - 12" Wide Channel	51.76	27.78
			<i>For >100 To 250, Deduct</i>	-2.78	
			<i>For >250 To 500, Deduct</i>	-4.07	
			<i>For >500 To 1,000, Deduct</i>	-6.29	
			<i>For >1,000, Deduct</i>	-8.51	
			<i>For 316 Stainless Steel, Add</i>	47.07	
			<i>For Aluminum, Add</i>	2.65	
			<i>For Galvanized Steel, Add</i>	9.12	
			<i>For 304 Stainless Steel, Add</i>	41.92	
05 12 23 00-0580	LF		C15 x 33.9 - 15" Wide Channel	58.48	31.40
			<i>For >100 To 250, Deduct</i>	-3.14	
			<i>For >250 To 500, Deduct</i>	-4.60	
			<i>For >500 To 1,000, Deduct</i>	-7.11	
			<i>For >1,000, Deduct</i>	-9.62	
			<i>For 316 Stainless Steel, Add</i>	53.18	
			<i>For Aluminum, Add</i>	2.99	
			<i>For Galvanized Steel, Add</i>	10.30	
			<i>For 304 Stainless Steel, Add</i>	47.37	
05 12 23 00-0581	LF		C15 x 40 - 15" Wide Channel	69.02	37.05
			<i>For >100 To 250, Deduct</i>	-3.71	
			<i>For >250 To 500, Deduct</i>	-5.43	
			<i>For >500 To 1,000, Deduct</i>	-8.39	
			<i>For >1,000, Deduct</i>	-11.35	
			<i>For 316 Stainless Steel, Add</i>	62.78	
			<i>For Aluminum, Add</i>	3.53	
			<i>For Galvanized Steel, Add</i>	12.16	
			<i>For 304 Stainless Steel, Add</i>	55.92	
05 12 23 00-0582	LF		C15 x 50 - 15" Wide Channel	86.27	46.31
			<i>For >100 To 250, Deduct</i>	-4.63	
			<i>For >250 To 500, Deduct</i>	-6.79	
			<i>For >500 To 1,000, Deduct</i>	-10.49	
			<i>For >1,000, Deduct</i>	-14.19	
			<i>For 316 Stainless Steel, Add</i>	78.46	
			<i>For Aluminum, Add</i>	4.41	
			<i>For Galvanized Steel, Add</i>	15.20	
			<i>For 304 Stainless Steel, Add</i>	69.88	
05 12 23 00-0583			Miscellaneous Channels - MC <small>(05 12 23 00-0437)</small>		
05 12 23 00-0584	LF		MC6 x 12 - 6" Wide Channel	21.75	11.91
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.67	
			<i>For >1,000, Deduct</i>	-3.62	
			<i>For 316 Stainless Steel, Add</i>	18.82	
			<i>For Aluminum, Add</i>	1.06	
			<i>For Galvanized Steel, Add</i>	3.65	
			<i>For 304 Stainless Steel, Add</i>	16.76	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0585	LF		MC6 x 15.1 - 6" Wide Channel.....	27.37	14.98
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500 To 1,000, Deduct</i>	-3.37	
			<i>For >1,000, Deduct</i>	-4.55	
			<i>For 316 Stainless Steel, Add</i>	23.68	
			<i>For Aluminum, Add</i>	1.33	
			<i>For Galvanized Steel, Add</i>	4.59	
			<i>For 304 Stainless Steel, Add</i>	21.09	
05 12 23 00-0586	LF		MC6 x 15.3 - 6" Wide Channel.....	27.74	15.18
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-2.21	
			<i>For >500 To 1,000, Deduct</i>	-3.41	
			<i>For >1,000, Deduct</i>	-4.61	
			<i>For 316 Stainless Steel, Add</i>	24.03	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.66	
			<i>For 304 Stainless Steel, Add</i>	21.40	
05 12 23 00-0587	LF		MC6 x 16.3 - 6" Wide Channel.....	29.55	16.16
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500 To 1,000, Deduct</i>	-3.63	
			<i>For >1,000, Deduct</i>	-4.91	
			<i>For 316 Stainless Steel, Add</i>	25.57	
			<i>For Aluminum, Add</i>	1.44	
			<i>For Galvanized Steel, Add</i>	4.95	
			<i>For 304 Stainless Steel, Add</i>	22.77	
05 12 23 00-0588	LF		MC6 x 18 - 6" Wide Channel.....	32.63	17.86
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500 To 1,000, Deduct</i>	-4.01	
			<i>For >1,000, Deduct</i>	-5.42	
			<i>For 316 Stainless Steel, Add</i>	28.26	
			<i>For Aluminum, Add</i>	1.59	
			<i>For Galvanized Steel, Add</i>	5.47	
			<i>For 304 Stainless Steel, Add</i>	25.17	
05 12 23 00-0589	LF		MC7 x 17.6 - 7" Wide Channel.....	31.82	17.39
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500 To 1,000, Deduct</i>	-3.91	
			<i>For >1,000, Deduct</i>	-5.29	
			<i>For 316 Stainless Steel, Add</i>	27.62	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.35	
			<i>For 304 Stainless Steel, Add</i>	24.60	
05 12 23 00-0590	LF		MC7 x 19.1 - 7" Wide Channel.....	34.52	18.87
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.75	
			<i>For >500 To 1,000, Deduct</i>	-4.24	
			<i>For >1,000, Deduct</i>	-5.73	
			<i>For 316 Stainless Steel, Add</i>	29.95	
			<i>For Aluminum, Add</i>	1.68	
			<i>For Galvanized Steel, Add</i>	5.80	
			<i>For 304 Stainless Steel, Add</i>	26.68	
05 12 23 00-0591	LF		MC7 x 22.7 - 7" Wide Channel.....	41.04	22.43
			<i>For >100 To 250, Deduct</i>	-2.24	
			<i>For >250 To 500, Deduct</i>	-3.27	
			<i>For >500 To 1,000, Deduct</i>	-5.04	
			<i>For >1,000, Deduct</i>	-6.82	
			<i>For 316 Stainless Steel, Add</i>	35.62	
			<i>For Aluminum, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	6.90	
			<i>For 304 Stainless Steel, Add</i>	31.72	
05 12 23 00-0592	LF		MC8 x 8.5 - 8" Wide Channel.....	14.67	7.87
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.78	
			<i>For >1,000, Deduct</i>	-2.41	
			<i>For 316 Stainless Steel, Add</i>	13.34	
			<i>For Aluminum, Add</i>	0.75	
			<i>For Galvanized Steel, Add</i>	2.59	
			<i>For 304 Stainless Steel, Add</i>	11.88	
05 12 23 00-0593	LF		MC8 x 18.7 - 8" Wide Channel.....	32.26	17.32
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500 To 1,000, Deduct</i>	-3.92	
			<i>For >1,000, Deduct</i>	-5.31	
			<i>For 316 Stainless Steel, Add</i>	29.34	
			<i>For Aluminum, Add</i>	1.65	
			<i>For Galvanized Steel, Add</i>	5.69	
			<i>For 304 Stainless Steel, Add</i>	26.13	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0594	LF		MC8 x 20 - 8" Wide Channel	34.51	18.52
			For >100 To 250, Deduct	-1.85	
			For >250 To 500, Deduct	-2.72	
			For >500 To 1,000, Deduct	-4.20	
			For >1,000, Deduct	-5.68	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For 304 Stainless Steel, Add	27.96	
05 12 23 00-0595	LF		MC8 x 21.4 - 8" Wide Channel	36.93	19.82
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-2.91	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-6.07	
			For 316 Stainless Steel, Add	33.60	
			For Aluminum, Add	1.89	
			For Galvanized Steel, Add	6.51	
			For 304 Stainless Steel, Add	29.93	
05 12 23 00-0596	LF		MC8 x 22.8 - 8" Wide Channel	39.34	21.13
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-3.09	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000, Deduct	-6.47	
			For 316 Stainless Steel, Add	35.81	
			For Aluminum, Add	2.01	
			For Galvanized Steel, Add	6.94	
			For 304 Stainless Steel, Add	31.89	
05 12 23 00-0597	LF		MC9 x 23.9 - 9" Wide Channel	41.23	22.13
			For >100 To 250, Deduct	-2.21	
			For >250 To 500, Deduct	-3.24	
			For >500 To 1,000, Deduct	-5.01	
			For >1,000, Deduct	-6.78	
			For 316 Stainless Steel, Add	37.50	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
			For 304 Stainless Steel, Add	33.40	
05 12 23 00-0598	LF		MC9 x 25.4 - 9" Wide Channel	43.81	23.52
			For >100 To 250, Deduct	-2.35	
			For >250 To 500, Deduct	-3.45	
			For >500 To 1,000, Deduct	-5.33	
			For >1,000, Deduct	-7.21	
			For 316 Stainless Steel, Add	39.84	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.72	
			For 304 Stainless Steel, Add	35.48	
05 12 23 00-0599	LF		MC10 x 6.5 - 10" Wide Channel.....	11.22	6.02
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000, Deduct	-1.85	
			For 316 Stainless Steel, Add	10.21	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.98	
			For 304 Stainless Steel, Add	9.09	
05 12 23 00-0600	LF		MC10 x 8.4 - 10" Wide Channel.....	14.48	7.78
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.76	
			For >1,000, Deduct	-2.38	
			For 316 Stainless Steel, Add	13.15	
			For Aluminum, Add	0.74	
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	11.71	
05 12 23 00-0601	LF		MC10 x 21.9 - 10" Wide Channel.....	37.78	20.29
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.97	
			For >500 To 1,000, Deduct	-4.59	
			For >1,000, Deduct	-6.21	
			For 316 Stainless Steel, Add	34.37	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.66	
			For 304 Stainless Steel, Add	30.61	
05 12 23 00-0602	LF		MC10 x 24.9 - 10" Wide Channel.....	42.96	23.07
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-3.38	
			For >500 To 1,000, Deduct	-5.22	
			For >1,000, Deduct	-7.07	
			For 316 Stainless Steel, Add	39.07	
			For Aluminum, Add	2.20	
			For Galvanized Steel, Add	7.57	
			For 304 Stainless Steel, Add	34.80	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0603	LF		MC10 x 25.3 - 10" Wide Channel.....	43.65	23.44
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-3.43	
			<i>For >500 To 1,000, Deduct</i>	-5.31	
			<i>For >1,000, Deduct</i>	-7.18	
			<i>For 316 Stainless Steel, Add</i>	39.71	
			<i>For Aluminum, Add</i>	2.23	
			<i>For Galvanized Steel, Add</i>	7.69	
			<i>For 304 Stainless Steel, Add</i>	35.37	
05 12 23 00-0604	LF		MC10 x 28.3 - 10" Wide Channel.....	48.83	26.21
			<i>For >100 To 250, Deduct</i>	-2.62	
			<i>For >250 To 500, Deduct</i>	-3.84	
			<i>For >500 To 1,000, Deduct</i>	-5.94	
			<i>For >1,000, Deduct</i>	-8.03	
			<i>For 316 Stainless Steel, Add</i>	44.38	
			<i>For Aluminum, Add</i>	2.50	
			<i>For Galvanized Steel, Add</i>	8.60	
			<i>For 304 Stainless Steel, Add</i>	39.53	
05 12 23 00-0605	LF		MC10 x 28.5 - 10" Wide Channel.....	49.18	26.40
			<i>For >100 To 250, Deduct</i>	-2.64	
			<i>For >250 To 500, Deduct</i>	-3.87	
			<i>For >500 To 1,000, Deduct</i>	-5.98	
			<i>For >1,000, Deduct</i>	-8.09	
			<i>For 316 Stainless Steel, Add</i>	44.74	
			<i>For Aluminum, Add</i>	2.52	
			<i>For Galvanized Steel, Add</i>	8.67	
			<i>For 304 Stainless Steel, Add</i>	39.84	
05 12 23 00-0606	LF		MC10 x 33.6 - 10" Wide Channel.....	57.98	31.12
			<i>For >100 To 250, Deduct</i>	-3.11	
			<i>For >250 To 500, Deduct</i>	-4.56	
			<i>For >500 To 1,000, Deduct</i>	-7.05	
			<i>For >1,000, Deduct</i>	-9.54	
			<i>For 316 Stainless Steel, Add</i>	52.74	
			<i>For Aluminum, Add</i>	2.97	
			<i>For Galvanized Steel, Add</i>	10.22	
			<i>For 304 Stainless Steel, Add</i>	46.97	
05 12 23 00-0607	LF		MC10 x 41.1 - 10" Wide Channel.....	70.92	38.07
			<i>For >100 To 250, Deduct</i>	-3.81	
			<i>For >250 To 500, Deduct</i>	-5.58	
			<i>For >500 To 1,000, Deduct</i>	-8.62	
			<i>For >1,000, Deduct</i>	-11.66	
			<i>For 316 Stainless Steel, Add</i>	64.51	
			<i>For Aluminum, Add</i>	3.63	
			<i>For Galvanized Steel, Add</i>	12.50	
			<i>For 304 Stainless Steel, Add</i>	57.46	
05 12 23 00-0608	LF		MC12 x 30.9 - 12" Wide Channel.....	53.33	28.61
			<i>For >100 To 250, Deduct</i>	-2.86	
			<i>For >250 To 500, Deduct</i>	-4.20	
			<i>For >500 To 1,000, Deduct</i>	-6.48	
			<i>For >1,000, Deduct</i>	-8.77	
			<i>For 316 Stainless Steel, Add</i>	48.51	
			<i>For Aluminum, Add</i>	2.73	
			<i>For Galvanized Steel, Add</i>	9.40	
			<i>For 304 Stainless Steel, Add</i>	43.21	
05 12 23 00-0609	LF		MC12 x 32.9 - 12" Wide Channel.....	56.76	30.47
			<i>For >100 To 250, Deduct</i>	-3.05	
			<i>For >250 To 500, Deduct</i>	-4.47	
			<i>For >500 To 1,000, Deduct</i>	-6.90	
			<i>For >1,000, Deduct</i>	-9.34	
			<i>For 316 Stainless Steel, Add</i>	51.62	
			<i>For Aluminum, Add</i>	2.90	
			<i>For Galvanized Steel, Add</i>	10.00	
			<i>For 304 Stainless Steel, Add</i>	45.97	
05 12 23 00-0610	LF		MC12 x 35 - 12" Wide Channel.....	60.40	32.42
			<i>For >100 To 250, Deduct</i>	-3.24	
			<i>For >250 To 500, Deduct</i>	-4.75	
			<i>For >500 To 1,000, Deduct</i>	-7.34	
			<i>For >1,000, Deduct</i>	-9.93	
			<i>For 316 Stainless Steel, Add</i>	54.94	
			<i>For Aluminum, Add</i>	3.09	
			<i>For Galvanized Steel, Add</i>	10.65	
			<i>For 304 Stainless Steel, Add</i>	48.93	
05 12 23 00-0611	LF		MC12 x 37 - 12" Wide Channel.....	63.85	34.27
			<i>For >100 To 250, Deduct</i>	-3.43	
			<i>For >250 To 500, Deduct</i>	-5.02	
			<i>For >500 To 1,000, Deduct</i>	-7.76	
			<i>For >1,000, Deduct</i>	-10.50	
			<i>For 316 Stainless Steel, Add</i>	58.08	
			<i>For Aluminum, Add</i>	3.27	
			<i>For Galvanized Steel, Add</i>	11.25	
			<i>For 304 Stainless Steel, Add</i>	51.73	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0612	LF		MC12 x 40 - 12" Wide Channel	69.01	37.05
			<i>For >100 To 250, Deduct</i>	-3.71	
			<i>For >250 To 500, Deduct</i>	-5.43	
			<i>For >500 To 1,000, Deduct</i>	-8.39	
			<i>For >1,000, Deduct</i>	-11.35	
			<i>For 316 Stainless Steel, Add</i>	62.75	
			<i>For Aluminum, Add</i>	3.53	
			<i>For Galvanized Steel, Add</i>	12.16	
			<i>For 304 Stainless Steel, Add</i>	55.89	
05 12 23 00-0613	LF		MC12 x 45 - 12" Wide Channel	77.65	41.69
			<i>For >100 To 250, Deduct</i>	-4.17	
			<i>For >250 To 500, Deduct</i>	-6.11	
			<i>For >500 To 1,000, Deduct</i>	-9.44	
			<i>For >1,000, Deduct</i>	-12.77	
			<i>For 316 Stainless Steel, Add</i>	70.62	
			<i>For Aluminum, Add</i>	3.97	
			<i>For Galvanized Steel, Add</i>	13.68	
			<i>For 304 Stainless Steel, Add</i>	62.90	
05 12 23 00-0614	LF		MC12 x 50 - 12" Wide Channel	86.26	46.32
			<i>For >100 To 250, Deduct</i>	-4.63	
			<i>For >250 To 500, Deduct</i>	-6.79	
			<i>For >500 To 1,000, Deduct</i>	-10.49	
			<i>For >1,000, Deduct</i>	-14.19	
			<i>For 316 Stainless Steel, Add</i>	78.43	
			<i>For Aluminum, Add</i>	4.41	
			<i>For Galvanized Steel, Add</i>	15.20	
			<i>For 304 Stainless Steel, Add</i>	69.85	
05 12 23 00-0615	LF		MC13 x 31.8 - 13" Wide Channel.....	54.87	29.45
			<i>For >100 To 250, Deduct</i>	-2.95	
			<i>For >250 To 500, Deduct</i>	-4.32	
			<i>For >500 To 1,000, Deduct</i>	-6.67	
			<i>For >1,000, Deduct</i>	-9.02	
			<i>For 316 Stainless Steel, Add</i>	49.92	
			<i>For Aluminum, Add</i>	2.81	
			<i>For Galvanized Steel, Add</i>	9.67	
			<i>For 304 Stainless Steel, Add</i>	44.46	
05 12 23 00-0616	LF		MC13 x 35 - 13" Wide Channel	60.40	32.42
			<i>For >100 To 250, Deduct</i>	-3.24	
			<i>For >250 To 500, Deduct</i>	-4.75	
			<i>For >500 To 1,000, Deduct</i>	-7.34	
			<i>For >1,000, Deduct</i>	-9.93	
			<i>For 316 Stainless Steel, Add</i>	54.94	
			<i>For Aluminum, Add</i>	3.09	
			<i>For Galvanized Steel, Add</i>	10.65	
			<i>For 304 Stainless Steel, Add</i>	48.93	
05 12 23 00-0617	LF		MC13 x 40 - 13" Wide Channel	69.01	37.05
			<i>For >100 To 250, Deduct</i>	-3.71	
			<i>For >250 To 500, Deduct</i>	-5.43	
			<i>For >500 To 1,000, Deduct</i>	-8.39	
			<i>For >1,000, Deduct</i>	-11.35	
			<i>For 316 Stainless Steel, Add</i>	62.75	
			<i>For Aluminum, Add</i>	3.53	
			<i>For Galvanized Steel, Add</i>	12.16	
			<i>For 304 Stainless Steel, Add</i>	55.89	
05 12 23 00-0618	LF		MC13 x 50 - 13" Wide Channel	86.26	46.32
			<i>For >100 To 250, Deduct</i>	-4.63	
			<i>For >250 To 500, Deduct</i>	-6.79	
			<i>For >500 To 1,000, Deduct</i>	-10.49	
			<i>For >1,000, Deduct</i>	-14.19	
			<i>For 316 Stainless Steel, Add</i>	78.43	
			<i>For Aluminum, Add</i>	4.41	
			<i>For Galvanized Steel, Add</i>	15.20	
			<i>For 304 Stainless Steel, Add</i>	69.85	
05 12 23 00-0619	LF		MC18 x 42.7 - 18" Wide Channel.....	73.67	39.55
			<i>For >100 To 250, Deduct</i>	-3.96	
			<i>For >250 To 500, Deduct</i>	-5.80	
			<i>For >500 To 1,000, Deduct</i>	-8.96	
			<i>For >1,000, Deduct</i>	-12.12	
			<i>For 316 Stainless Steel, Add</i>	66.98	
			<i>For Aluminum, Add</i>	3.77	
			<i>For Galvanized Steel, Add</i>	12.98	
			<i>For 304 Stainless Steel, Add</i>	59.65	
05 12 23 00-0620	LF		MC18 x 45.8 - 18" Wide Channel.....	79.02	42.42
			<i>For >100 To 250, Deduct</i>	-4.24	
			<i>For >250 To 500, Deduct</i>	-6.22	
			<i>For >500 To 1,000, Deduct</i>	-9.61	
			<i>For >1,000, Deduct</i>	-13.00	
			<i>For 316 Stainless Steel, Add</i>	71.87	
			<i>For Aluminum, Add</i>	4.04	
			<i>For Galvanized Steel, Add</i>	13.93	
			<i>For 304 Stainless Steel, Add</i>	64.01	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0621	LF		MC18 x 51.9 - 18" Wide Channel.....	89.54	48.07
			<i>For >100 To 250, Deduct</i>	-4.81	
			<i>For >250 To 500, Deduct</i>	-7.05	
			<i>For >500 To 1,000, Deduct</i>	-10.89	
			<i>For >1,000, Deduct</i>	-14.73	
			<i>For 316 Stainless Steel, Add</i>	81.44	
			<i>For Aluminum, Add</i>	4.58	
			<i>For Galvanized Steel, Add</i>	15.78	
			<i>For 304 Stainless Steel, Add</i>	72.53	
05 12 23 00-0622	LF		MC18 x 58 - 18" Wide Channel.....	100.07	53.72
			<i>For >100 To 250, Deduct</i>	-5.37	
			<i>For >250 To 500, Deduct</i>	-7.87	
			<i>For >500 To 1,000, Deduct</i>	-12.17	
			<i>For >1,000, Deduct</i>	-16.46	
			<i>For 316 Stainless Steel, Add</i>	91.01	
			<i>For Aluminum, Add</i>	5.12	
			<i>For Galvanized Steel, Add</i>	17.63	
			<i>For 304 Stainless Steel, Add</i>	81.05	
05 12 23 00-0623			Structural Bar Tees (05 12 23 00-0437)		
05 12 23 00-0624	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	4.25	2.47
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.54	
			<i>For >1,000, Deduct</i>	-0.73	
			<i>For 316 Stainless Steel, Add</i>	3.10	
			<i>For Aluminum, Add</i>	0.17	
			<i>For Galvanized Steel, Add</i>	0.60	
			<i>For 304 Stainless Steel, Add</i>	2.76	
05 12 23 00-0625	LF		1" x 1" x 1/8" Structural Bar Tee	5.02	2.90
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.86	
			<i>For 316 Stainless Steel, Add</i>	3.68	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.28	
05 12 23 00-0626	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.89	3.35
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.89	
			<i>For >1,000, Deduct</i>	-1.23	
			<i>For 316 Stainless Steel, Add</i>	14.14	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
05 12 23 00-0627	LF		2" x 2" x 1/4" Structural Bar Tee	11.59	4.39
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	18.37	
			<i>For Aluminum, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.56	
			<i>For 304 Stainless Steel, Add</i>	16.36	
05 12 23 00-0628	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.29	5.29
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.57	
			<i>For >1,000, Deduct</i>	-2.18	
			<i>For 316 Stainless Steel, Add</i>	32.74	
			<i>For Aluminum, Add</i>	1.84	
			<i>For Galvanized Steel, Add</i>	6.34	
			<i>For 304 Stainless Steel, Add</i>	29.16	
05 12 23 00-0629	LF		3" x 3" x 3/8" Structural Bar Tee	21.50	6.77
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500 To 1,000, Deduct</i>	-1.98	
			<i>For >1,000, Deduct</i>	-2.74	
			<i>For 316 Stainless Steel, Add</i>	39.87	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.73	
			<i>For 304 Stainless Steel, Add</i>	35.51	

05 12 23 00-0630 Structural Zees (05 12 23 00-0437)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0631 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee	8.92	3.35
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.23	
For 316 Stainless Steel, Add	14.24	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	12.68	
05 12 23 00-0632 LF 2-11/16" x 3" x 2-11/16" Structural Zee.....	13.12	4.01
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.65	
For 316 Stainless Steel, Add	24.93	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.83	
For 304 Stainless Steel, Add	22.20	
05 12 23 00-0633 LF 3-1/16" x 4" x 3-1/16" Structural Zee.....	19.10	4.52
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.19	
For 316 Stainless Steel, Add	41.82	
For Aluminum, Add	2.35	
For Galvanized Steel, Add	8.10	
For 304 Stainless Steel, Add	37.25	
05 12 23 00-0634 LF 3-1/4" x 5" x 3-1/4" Structural Zee.....	25.37	5.16
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.76	
For 316 Stainless Steel, Add	59.17	
For Aluminum, Add	3.33	
For Galvanized Steel, Add	11.46	
For 304 Stainless Steel, Add	52.70	
05 12 23 00-0635 LF 3-1/2" x 6" x 3-1/2" Structural Zee.....	32.45	5.62
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-2.37	
For >1,000, Deduct	-3.37	
For 316 Stainless Steel, Add	79.87	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.14	
05 12 23 00-0636 Junior I-Beams (05 12 23 00-0437)		
05 12 23 00-0637 LF 3" Junior I-Beam, 5.7 LB/LF.....	9.79	4.84
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.13	
For >1,000, Deduct	-1.54	
For 316 Stainless Steel, Add	10.69	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	9.52	
05 12 23 00-0638 LF 4" Junior I-Beam, 7.7 LB/LF.....	11.73	5.29
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.29	
For >1,000, Deduct	-1.76	
For 316 Stainless Steel, Add	14.94	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.90	
For 304 Stainless Steel, Add	13.31	
05 12 23 00-0639 LF 5" Junior I-Beam, 10 LB/LF.....	14.39	5.81
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.05	
For 316 Stainless Steel, Add	21.25	
For Aluminum, Add	1.20	
For Galvanized Steel, Add	4.12	
For 304 Stainless Steel, Add	18.92	
05 12 23 00-0640 LF 6" Junior I-Beam, 12.5 LB/LF.....	15.90	6.33
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.25	
For 316 Stainless Steel, Add	23.90	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.63	
For 304 Stainless Steel, Add	21.29	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0641	LF		7" Junior I-Beam, 15.3 LB/LF	20.42	6.77
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.66	
			<i>For 316 Stainless Steel, Add</i>	36.42	
			<i>For Aluminum, Add</i>	2.05	
			<i>For Galvanized Steel, Add</i>	7.06	
			<i>For 304 Stainless Steel, Add</i>	32.43	
05 12 23 00-0642	LF		8" Junior I-Beam, 18.4 LB/LF	22.24	7.23
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500 To 1,000, Deduct</i>	-2.08	
			<i>For >1,000, Deduct</i>	-2.87	
			<i>For 316 Stainless Steel, Add</i>	40.32	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.91	
05 12 23 00-0643			Round Stock (05 12 23 00-0437)		
05 12 23 00-0644	LF		1/4" Carbon Steel Rounds, ASTM A108	1.54	
			<i>For 316 Stainless Steel, Add</i>	2.14	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.42	
			<i>For 304 Stainless Steel, Add</i>	1.91	
05 12 23 00-0645	LF		3/8" Carbon Steel Rounds, ASTM A108	2.30	
			<i>For 316 Stainless Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.76	
05 12 23 00-0646	LF		1/2" Carbon Steel Rounds, ASTM A108	3.09	
			<i>For 316 Stainless Steel, Add</i>	6.43	
			<i>For Aluminum, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	5.73	
05 12 23 00-0647	LF		5/8" Carbon Steel Rounds, ASTM A108	4.56	
			<i>For 316 Stainless Steel, Add</i>	10.75	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.08	
			<i>For 304 Stainless Steel, Add</i>	9.58	
05 12 23 00-0648	LF		3/4" Carbon Steel Rounds, ASTM A108	5.43	
			<i>For 316 Stainless Steel, Add</i>	12.77	
			<i>For Aluminum, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.47	
			<i>For 304 Stainless Steel, Add</i>	11.37	
05 12 23 00-0649	LF		7/8" Carbon Steel Rounds, ASTM A108	6.31	
			<i>For 316 Stainless Steel, Add</i>	14.91	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.89	
			<i>For 304 Stainless Steel, Add</i>	13.28	
05 12 23 00-0650	LF		1" Carbon Steel Rounds, ASTM A108	9.05	
			<i>For 316 Stainless Steel, Add</i>	22.72	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.24	
05 12 23 00-0651	LF		1-1/8" Carbon Steel Rounds, ASTM A108	11.03	
			<i>For 316 Stainless Steel, Add</i>	27.62	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.35	
			<i>For 304 Stainless Steel, Add</i>	24.60	
05 12 23 00-0652	LF		1-1/4" Carbon Steel Rounds, ASTM A108	13.22	
			<i>For 316 Stainless Steel, Add</i>	32.48	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Galvanized Steel, Add</i>	6.29	
			<i>For 304 Stainless Steel, Add</i>	28.93	
05 12 23 00-0653	LF		1-3/8" Carbon Steel Rounds, ASTM A108	15.97	
			<i>For 316 Stainless Steel, Add</i>	39.65	
			<i>For Aluminum, Add</i>	2.23	
			<i>For Galvanized Steel, Add</i>	7.68	
			<i>For 304 Stainless Steel, Add</i>	35.31	
05 12 23 00-0654	LF		1-1/2" Carbon Steel Rounds, ASTM A108	17.90	
			<i>For 316 Stainless Steel, Add</i>	43.49	
			<i>For Aluminum, Add</i>	2.45	
			<i>For Galvanized Steel, Add</i>	8.43	
			<i>For 304 Stainless Steel, Add</i>	38.73	
05 12 23 00-0655	LF		1-5/8" Carbon Steel Rounds, ASTM A108	20.77	
			<i>For 316 Stainless Steel, Add</i>	49.28	
			<i>For Aluminum, Add</i>	2.77	
			<i>For Galvanized Steel, Add</i>	9.55	
			<i>For 304 Stainless Steel, Add</i>	43.89	
05 12 23 00-0656	LF		1-3/4" Carbon Steel Rounds, ASTM A108	25.10	
			<i>For 316 Stainless Steel, Add</i>	57.34	
			<i>For Aluminum, Add</i>	3.23	
			<i>For Galvanized Steel, Add</i>	11.11	
			<i>For 304 Stainless Steel, Add</i>	51.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0657 LF 1-7/8" Carbon Steel Rounds, ASTM A108.....	30.46	
<i>For 316 Stainless Steel, Add</i>	67.17	
<i>For Aluminum, Add</i>	3.78	
<i>For Galvanized Steel, Add</i>	13.01	
<i>For 304 Stainless Steel, Add</i>	59.82	
05 12 23 00-0658 LF 2" Carbon Steel Rounds, ASTM A108.....	35.01	
<i>For 316 Stainless Steel, Add</i>	74.72	
<i>For Aluminum, Add</i>	4.20	
<i>For Galvanized Steel, Add</i>	14.48	
<i>For 304 Stainless Steel, Add</i>	66.55	
05 12 23 00-0659 LF 2-1/8" Carbon Steel Rounds, ASTM A108.....	41.15	
<i>For 316 Stainless Steel, Add</i>	85.34	
<i>For Aluminum, Add</i>	4.80	
<i>For Galvanized Steel, Add</i>	16.54	
<i>For 304 Stainless Steel, Add</i>	76.01	
05 12 23 00-0660 LF 2-1/4" Carbon Steel Rounds, ASTM A108.....	46.64	
<i>For 316 Stainless Steel, Add</i>	95.97	
<i>For Aluminum, Add</i>	5.40	
<i>For Galvanized Steel, Add</i>	18.59	
<i>For 304 Stainless Steel, Add</i>	85.47	
05 12 23 00-0661 LF 2-3/8" Carbon Steel Rounds, ASTM A108.....	53.45	
<i>For 316 Stainless Steel, Add</i>	109.76	
<i>For Aluminum, Add</i>	6.17	
<i>For Galvanized Steel, Add</i>	21.27	
<i>For 304 Stainless Steel, Add</i>	97.76	
05 12 23 00-0662 LF 2-1/2" Carbon Steel Rounds, ASTM A108.....	59.44	
<i>For 316 Stainless Steel, Add</i>	118.27	
<i>For Aluminum, Add</i>	6.65	
<i>For Galvanized Steel, Add</i>	22.92	
<i>For 304 Stainless Steel, Add</i>	105.34	
05 12 23 00-0663 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	71.93	
<i>For 316 Stainless Steel, Add</i>	150.24	
<i>For Aluminum, Add</i>	8.45	
<i>For Galvanized Steel, Add</i>	29.11	
<i>For 304 Stainless Steel, Add</i>	133.81	
05 12 23 00-0664 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	81.86	
<i>For 316 Stainless Steel, Add</i>	171.33	
<i>For Aluminum, Add</i>	9.64	
<i>For Galvanized Steel, Add</i>	33.19	
<i>For 304 Stainless Steel, Add</i>	152.59	
05 12 23 00-0665 LF 2-7/8" Carbon Steel Rounds, ASTM A108.....	91.32	
<i>For 316 Stainless Steel, Add</i>	190.94	
<i>For Aluminum, Add</i>	10.74	
<i>For Galvanized Steel, Add</i>	37.00	
<i>For 304 Stainless Steel, Add</i>	170.06	
05 12 23 00-0666 LF 3" Carbon Steel Rounds, ASTM A108.....	96.44	
<i>For 316 Stainless Steel, Add</i>	196.67	
<i>For Aluminum, Add</i>	11.06	
<i>For Galvanized Steel, Add</i>	38.11	
<i>For 304 Stainless Steel, Add</i>	175.16	
05 12 23 00-0667 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	101.13	
<i>For 316 Stainless Steel, Add</i>	201.02	
<i>For Aluminum, Add</i>	11.31	
<i>For Galvanized Steel, Add</i>	38.95	
<i>For 304 Stainless Steel, Add</i>	179.04	
05 12 23 00-0668 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	107.03	
<i>For 316 Stainless Steel, Add</i>	209.22	
<i>For Aluminum, Add</i>	11.77	
<i>For Galvanized Steel, Add</i>	40.54	
<i>For 304 Stainless Steel, Add</i>	186.33	
05 12 23 00-0669 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	128.77	
<i>For 316 Stainless Steel, Add</i>	265.47	
<i>For Aluminum, Add</i>	14.93	
<i>For Galvanized Steel, Add</i>	51.44	
<i>For 304 Stainless Steel, Add</i>	236.44	
05 12 23 00-0670 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	142.77	
<i>For 316 Stainless Steel, Add</i>	296.96	
<i>For Aluminum, Add</i>	16.70	
<i>For Galvanized Steel, Add</i>	57.54	
<i>For 304 Stainless Steel, Add</i>	264.48	
05 12 23 00-0671 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	153.40	
<i>For 316 Stainless Steel, Add</i>	317.66	
<i>For Aluminum, Add</i>	17.87	
<i>For Galvanized Steel, Add</i>	61.55	
<i>For 304 Stainless Steel, Add</i>	282.92	
05 12 23 00-0672 LF 4" Carbon Steel Rounds, ASTM A108.....	171.33	
<i>For 316 Stainless Steel, Add</i>	361.70	
<i>For Aluminum, Add</i>	20.35	
<i>For Galvanized Steel, Add</i>	70.08	
<i>For 304 Stainless Steel, Add</i>	322.14	

05 12 23 00-0673 Square Stock (05 12 23 00-0437)

05	Metals
05 10	Structural Metal Framing
05 12	Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0674 LF 3/8" Square Bar Stock.....	1.31	
For 316 Stainless Steel, Add	1.06	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.20	
For 304 Stainless Steel, Add	0.94	
05 12 23 00-0675 LF 1/2" Square Bar Stock.....	1.67	
For 316 Stainless Steel, Add	1.89	
For Aluminum, Add	0.11	
For Galvanized Steel, Add	0.37	
For 304 Stainless Steel, Add	1.68	
05 12 23 00-0676 LF 5/8" Square Bar Stock.....	2.12	
For 316 Stainless Steel, Add	2.94	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.57	
For 304 Stainless Steel, Add	2.62	
05 12 23 00-0677 LF 3/4" Square Bar Stock.....	2.77	
For 316 Stainless Steel, Add	4.26	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.79	
05 12 23 00-0678 LF 7/8" Square Bar Stock.....	3.50	
For 316 Stainless Steel, Add	5.92	
For Aluminum, Add	0.33	
For Galvanized Steel, Add	1.15	
For 304 Stainless Steel, Add	5.27	
05 12 23 00-0679 LF 1" Square Bar Stock.....	4.32	
For 316 Stainless Steel, Add	7.58	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.47	
For 304 Stainless Steel, Add	6.75	
05 12 23 00-0680 LF 1-1/4" Square Bar Stock.....	6.77	
For 316 Stainless Steel, Add	11.84	
For Aluminum, Add	0.67	
For Galvanized Steel, Add	2.29	
For 304 Stainless Steel, Add	10.55	
05 12 23 00-0681 LF 1-1/2" Square Bar Stock.....	9.64	
For 316 Stainless Steel, Add	17.06	
For Aluminum, Add	0.96	
For Galvanized Steel, Add	3.30	
For 304 Stainless Steel, Add	15.19	
05 12 23 00-0682 LF 1-3/4" Square Bar Stock.....	14.59	
For 316 Stainless Steel, Add	23.71	
For Aluminum, Add	1.33	
For Galvanized Steel, Add	4.59	
For 304 Stainless Steel, Add	21.12	
05 12 23 00-0683 LF 2" Square Bar Stock.....	21.53	
For 316 Stainless Steel, Add	30.34	
For Aluminum, Add	1.71	
For Galvanized Steel, Add	5.88	
For 304 Stainless Steel, Add	27.02	
05 12 23 00-0684 Steel Tubing (05 12 23 00-0437)		
Note: General purpose low-carbon steel.		
05 12 23 00-0685 Square Steel Tubing (05 12 23 00-0684)		
05 12 23 00-0686 0.06" Wall Thickness (05 12 23 00-0685)		
05 12 23 00-0687 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	1.48	0.46
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.19	
For 316 Stainless Steel, Add	2.78	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.54	
For 304 Stainless Steel, Add	2.48	
05 12 23 00-0688 LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	2.30	0.72
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.29	
For 316 Stainless Steel, Add	4.26	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.79	
05 12 23 00-0689 LF 1" x 1" x 0.06" Square Steel Tubing.....	3.09	1.32
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.29	
For >1,000, Deduct	-0.40	
For 316 Stainless Steel, Add	5.66	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.04	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0690	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.06	1.26
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.51	
			<i>For 316 Stainless Steel, Add</i>	7.65	
			<i>For Aluminum, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	6.81	
05 12 23 00-0691	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.83	1.52
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000, Deduct</i>	-0.61	
			<i>For 316 Stainless Steel, Add</i>	8.99	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For 304 Stainless Steel, Add</i>	8.01	
05 12 23 00-0692			0.083" Wall Thickness <small>(05 12 23 00-0685)</small>		
05 12 23 00-0693	LF		3/4" x 3/4" x 0.083" Square Steel Tubing.....	2.68	0.86
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For 316 Stainless Steel, Add</i>	4.93	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.95	
			<i>For 304 Stainless Steel, Add</i>	4.39	
05 12 23 00-0694	LF		1" x 1" x 0.083" Square Steel Tubing.....	3.86	1.17
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For 316 Stainless Steel, Add</i>	7.36	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.43	
			<i>For 304 Stainless Steel, Add</i>	6.56	
05 12 23 00-0695	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.70	1.49
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000, Deduct</i>	-0.60	
			<i>For 316 Stainless Steel, Add</i>	8.70	
			<i>For Aluminum, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.69	
			<i>For 304 Stainless Steel, Add</i>	7.75	
05 12 23 00-0696	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.70	1.81
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.73	
			<i>For 316 Stainless Steel, Add</i>	10.50	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.03	
			<i>For 304 Stainless Steel, Add</i>	9.35	
05 12 23 00-0697	LF		2" x 2" x 0.083" Square Steel Tubing.....	7.34	2.42
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	13.22	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.56	
			<i>For 304 Stainless Steel, Add</i>	11.77	
05 12 23 00-0698			0.12" Wall Thickness <small>(05 12 23 00-0685)</small>		
05 12 23 00-0699	LF		1" x 1" x 0.12" Square Steel Tubing.....	4.30	1.39
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500 To 1,000, Deduct</i>	-0.40	
			<i>For >1,000, Deduct</i>	-0.55	
			<i>For 316 Stainless Steel, Add</i>	7.84	
			<i>For Aluminum, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For 304 Stainless Steel, Add</i>	6.98	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0700	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.56	1.79
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000, Deduct</i>	-0.72	
			<i>For 316 Stainless Steel, Add</i>	10.14	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.97	
			<i>For 304 Stainless Steel, Add</i>	9.03	
05 12 23 00-0701	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.80	2.18
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.87	
			<i>For 316 Stainless Steel, Add</i>	12.45	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
05 12 23 00-0702	LF		2" x 2" x 0.12" Square Steel Tubing.....	9.23	2.97
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.19	
			<i>For 316 Stainless Steel, Add</i>	16.83	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.99	
05 12 23 00-0703			1/8" Wall Thickness (05 12 23 00-0685)		
05 12 23 00-0704	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.50	3.09
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000, Deduct</i>	-1.15	
			<i>For 316 Stainless Steel, Add</i>	14.02	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.48	
05 12 23 00-0705	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	11.13	3.92
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.49	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
05 12 23 00-0706	LF		3" x 3" x 1/8" Square Steel Tubing.....	13.12	4.74
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.29	
			<i>For >1,000, Deduct</i>	-1.77	
			<i>For 316 Stainless Steel, Add</i>	21.76	
			<i>For Aluminum, Add</i>	1.22	
			<i>For Galvanized Steel, Add</i>	4.22	
			<i>For 304 Stainless Steel, Add</i>	19.38	
05 12 23 00-0707	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	15.24	5.57
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.50	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For 316 Stainless Steel, Add</i>	25.02	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.85	
			<i>For 304 Stainless Steel, Add</i>	22.29	
05 12 23 00-0708	LF		4" x 4" x 1/8" Square Steel Tubing.....	16.92	6.38
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For 316 Stainless Steel, Add</i>	26.88	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.94	

05 12 23 00-0709 3/16" Wall Thickness (05 12 23 00-0685)



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0710 LF 2" x 2" x 3/16" Square Steel Tubing.....	9.63	3.48
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.95	
For >1,000, Deduct	-1.30	
For 316 Stainless Steel, Add	15.94	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.09	
For 304 Stainless Steel, Add	14.19	
05 12 23 00-0711 LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	12.47	4.51
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.69	
For 316 Stainless Steel, Add	20.64	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.00	
For 304 Stainless Steel, Add	18.38	
05 12 23 00-0712 LF 3" x 3" x 3/16" Square Steel Tubing.....	15.32	5.55
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.07	
For 316 Stainless Steel, Add	25.38	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	22.60	
05 12 23 00-0713 LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	18.17	6.57
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.11	
For >500 To 1,000, Deduct	-1.79	
For >1,000, Deduct	-2.46	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0714 LF 4" x 4" x 3/16" Square Steel Tubing.....	21.01	7.60
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.29	
For >500 To 1,000, Deduct	-2.06	
For >1,000, Deduct	-2.84	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0715 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	23.86	8.64
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.46	
For >500 To 1,000, Deduct	-2.34	
For >1,000, Deduct	-3.23	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0716 LF 5" x 5" x 3/16" Square Steel Tubing.....	26.69	9.66
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.63	
For >500 To 1,000, Deduct	-2.62	
For >1,000, Deduct	-3.61	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	
05 12 23 00-0717 LF 6" x 6" x 3/16" Square Steel Tubing.....	32.40	11.73
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.18	
For >1,000, Deduct	-4.38	
For 316 Stainless Steel, Add	53.66	
For Aluminum, Add	3.02	
For Galvanized Steel, Add	10.40	
For 304 Stainless Steel, Add	47.79	
05 12 23 00-0718 1/4" Wall Thickness (05 12 23 00-0685)		
05 12 23 00-0719 LF 2" x 2" x 1/4" Square Steel Tubing.....	10.17	3.49
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.35	
For 316 Stainless Steel, Add	17.63	
For Aluminum, Add	0.99	
For Galvanized Steel, Add	3.42	
For 304 Stainless Steel, Add	15.70	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0720	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.36	4.59
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.28	
			<i>For >1,000, Deduct</i>	-1.77	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0721	LF		3" x 3" x 1/4" Square Steel Tubing.....	16.55	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.19	
			<i>For 316 Stainless Steel, Add</i>	28.70	
			<i>For Aluminum, Add</i>	1.61	
			<i>For Galvanized Steel, Add</i>	5.56	
			<i>For 304 Stainless Steel, Add</i>	25.56	
05 12 23 00-0722	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	19.75	6.78
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.89	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0723	LF		4" x 4" x 1/4" Square Steel Tubing.....	22.94	7.88
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.20	
			<i>For >1,000, Deduct</i>	-3.03	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0724	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	26.15	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.51	
			<i>For >1,000, Deduct</i>	-3.46	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0725	LF		5" x 5" x 1/4" Square Steel Tubing.....	29.36	10.09
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500 To 1,000, Deduct</i>	-2.81	
			<i>For >1,000, Deduct</i>	-3.88	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	
05 12 23 00-0726	LF		6" x 6" x 1/4" Square Steel Tubing.....	35.75	12.28
			<i>For >100 To 250, Deduct</i>	-1.23	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500 To 1,000, Deduct</i>	-3.43	
			<i>For >1,000, Deduct</i>	-4.73	
			<i>For 316 Stainless Steel, Add</i>	61.98	
			<i>For Aluminum, Add</i>	3.49	
			<i>For Galvanized Steel, Add</i>	12.01	
			<i>For 304 Stainless Steel, Add</i>	55.20	
05 12 23 00-0727			Rectangular Steel Tubing (05 12 23 00-0684)		
05 12 23 00-0728			3/16" Wall Thickness (05 12 23 00-0727)		
05 12 23 00-0729	LF		3" x 2" x 3/16" Square Steel Tubing.....	12.47	4.51
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.69	
			<i>For 316 Stainless Steel, Add</i>	20.64	
			<i>For Aluminum, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	4.00	
			<i>For 304 Stainless Steel, Add</i>	18.38	
05 12 23 00-0730	LF		4" x 2" x 3/16" Square Steel Tubing.....	15.32	5.55
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For 316 Stainless Steel, Add</i>	25.38	
			<i>For Aluminum, Add</i>	1.43	
			<i>For Galvanized Steel, Add</i>	4.92	
			<i>For 304 Stainless Steel, Add</i>	22.60	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0731	LF		4" x 3" x 3/16" Square Steel Tubing.....	18.17	6.57
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.79	
			<i>For >1,000, Deduct</i>	-2.46	
			<i>For 316 Stainless Steel, Add</i>	30.08	
			<i>For Aluminum, Add</i>	1.69	
			<i>For Galvanized Steel, Add</i>	5.83	
			<i>For 304 Stainless Steel, Add</i>	26.79	
05 12 23 00-0732	LF		5" x 2" x 3/16" Square Steel Tubing.....	18.17	6.57
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.79	
			<i>For >1,000, Deduct</i>	-2.46	
			<i>For 316 Stainless Steel, Add</i>	30.08	
			<i>For Aluminum, Add</i>	1.69	
			<i>For Galvanized Steel, Add</i>	5.83	
			<i>For 304 Stainless Steel, Add</i>	26.79	
05 12 23 00-0733	LF		5" x 3" x 3/16" Square Steel Tubing.....	21.01	7.60
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000, Deduct</i>	-2.84	
			<i>For 316 Stainless Steel, Add</i>	34.78	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.74	
			<i>For 304 Stainless Steel, Add</i>	30.98	
05 12 23 00-0734	LF		5" x 4" x 3/16" Square Steel Tubing.....	23.86	8.64
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500 To 1,000, Deduct</i>	-2.34	
			<i>For >1,000, Deduct</i>	-3.23	
			<i>For 316 Stainless Steel, Add</i>	39.52	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Galvanized Steel, Add</i>	7.66	
			<i>For 304 Stainless Steel, Add</i>	35.20	
05 12 23 00-0735	LF		6" x 2" x 3/16" Square Steel Tubing.....	21.01	7.60
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000, Deduct</i>	-2.84	
			<i>For 316 Stainless Steel, Add</i>	34.78	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.74	
			<i>For 304 Stainless Steel, Add</i>	30.98	
05 12 23 00-0736	LF		6" x 3" x 3/16" Square Steel Tubing.....	23.86	8.64
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500 To 1,000, Deduct</i>	-2.34	
			<i>For >1,000, Deduct</i>	-3.23	
			<i>For 316 Stainless Steel, Add</i>	39.52	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Galvanized Steel, Add</i>	7.66	
			<i>For 304 Stainless Steel, Add</i>	35.20	
05 12 23 00-0737	LF		6" x 4" x 3/16" Square Steel Tubing.....	26.69	9.66
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500 To 1,000, Deduct</i>	-2.62	
			<i>For >1,000, Deduct</i>	-3.61	
			<i>For 316 Stainless Steel, Add</i>	44.19	
			<i>For Aluminum, Add</i>	2.49	
			<i>For Galvanized Steel, Add</i>	8.56	
			<i>For 304 Stainless Steel, Add</i>	39.36	
05 12 23 00-0738			1/4" Wall Thickness (05 12 23 00-0727)		
05 12 23 00-0739	LF		3" x 2" x 1/4" Square Steel Tubing.....	13.36	4.59
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.28	
			<i>For >1,000, Deduct</i>	-1.77	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0740	LF		4" x 2" x 1/4" Square Steel Tubing.....	16.55	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000, Deduct</i>	-2.19	
			<i>For 316 Stainless Steel, Add</i>	28.70	
			<i>For Aluminum, Add</i>	1.61	
			<i>For Galvanized Steel, Add</i>	5.56	
			<i>For 304 Stainless Steel, Add</i>	25.56	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0741	LF		4" x 3" x 1/4" Square Steel Tubing.....	19.75	6.78
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.89	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0742	LF		5" x 2" x 1/4" Square Steel Tubing.....	19.75	6.78
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.89	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0743	LF		5" x 3" x 1/4" Square Steel Tubing.....	22.94	7.88
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.20	
			<i>For >1,000, Deduct</i>	-3.03	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0744	LF		5" x 4" x 1/4" Square Steel Tubing.....	26.15	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.51	
			<i>For >1,000, Deduct</i>	-3.46	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0745	LF		6" x 2" x 1/4" Square Steel Tubing.....	22.94	7.88
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.20	
			<i>For >1,000, Deduct</i>	-3.03	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0746	LF		6" x 3" x 1/4" Square Steel Tubing.....	26.15	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.51	
			<i>For >1,000, Deduct</i>	-3.46	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0747	LF		6" x 4" x 1/4" Square Steel Tubing.....	29.36	10.09
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500 To 1,000, Deduct</i>	-2.81	
			<i>For >1,000, Deduct</i>	-3.88	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	
05 12 23 00-0748			Round Steel Tubing <small>(05 12 23 00-0684)</small>		
05 12 23 00-0749			0.065" Wall Thickness <small>(05 12 23 00-0748)</small>		
05 12 23 00-0750	LF		1" Diameter x 0.065" Round Steel Tubing	2.67	0.84
			<i>For >100 To 250, Deduct</i>	-0.08	
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For 316 Stainless Steel, Add</i>	4.96	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.96	
			<i>For 304 Stainless Steel, Add</i>	4.42	
05 12 23 00-0751	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	3.38	1.07
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.19	
			<i>For >500 To 1,000, Deduct</i>	-0.31	
			<i>For >1,000, Deduct</i>	-0.43	
			<i>For 316 Stainless Steel, Add</i>	6.27	
			<i>For Aluminum, Add</i>	0.35	
			<i>For Galvanized Steel, Add</i>	1.22	
			<i>For 304 Stainless Steel, Add</i>	5.59	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0752 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	4.09	1.29
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.52	
For 316 Stainless Steel, Add	7.62	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.78	
05 12 23 00-0753 LF 2" Diameter x 0.065" Round Steel Tubing	5.51	1.73
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.70	
For 316 Stainless Steel, Add	10.24	
For Aluminum, Add	0.58	
For Galvanized Steel, Add	1.98	
For 304 Stainless Steel, Add	9.12	
05 12 23 00-0754 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	6.94	2.18
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.88	
For 316 Stainless Steel, Add	12.90	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	11.49	
05 12 23 00-0755 LF 3" Diameter x 0.065" Round Steel Tubing	8.36	2.63
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.06	
For 316 Stainless Steel, Add	15.55	
For Aluminum, Add	0.87	
For Galvanized Steel, Add	3.01	
For 304 Stainless Steel, Add	13.85	
05 12 23 00-0756 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	9.80	3.08
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.25	
For 316 Stainless Steel, Add	18.21	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	16.22	
05 12 23 00-0757 LF 4" Diameter x 0.065" Round Steel Tubing	11.22	3.52
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.43	
For 316 Stainless Steel, Add	20.86	
For Aluminum, Add	1.17	
For Galvanized Steel, Add	4.04	
For 304 Stainless Steel, Add	18.58	
05 12 23 00-0758 0.083" Wall Thickness (05 12 23 00-0748)		
05 12 23 00-0759 LF 1" Diameter x 0.083" Round Steel Tubing	2.91	0.92
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.37	
For 316 Stainless Steel, Add	5.38	
For Aluminum, Add	0.30	
For Galvanized Steel, Add	1.04	
For 304 Stainless Steel, Add	4.79	
05 12 23 00-0760 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	3.69	1.17
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	6.82	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.32	
For 304 Stainless Steel, Add	6.07	
05 12 23 00-0761 LF 1-1/2" Diameter x 0.083" Round Steel Tubing	4.48	1.42
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.57	
For 316 Stainless Steel, Add	8.29	
For Aluminum, Add	0.47	
For Galvanized Steel, Add	1.61	
For 304 Stainless Steel, Add	7.38	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0762 LF 2" Diameter x 0.083" Round Steel Tubing	6.06	1.92
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.77	
For 316 Stainless Steel, Add	11.20	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	9.98	
05 12 23 00-0763 LF 2-1/2" Diameter x 0.083" Round Steel Tubing	7.65	2.43
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-0.98	
For 316 Stainless Steel, Add	14.14	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.74	
For 304 Stainless Steel, Add	12.60	
05 12 23 00-0764 LF 3" Diameter x 0.083" Round Steel Tubing	9.23	2.92
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.18	
For 316 Stainless Steel, Add	17.06	
For Aluminum, Add	0.96	
For Galvanized Steel, Add	3.30	
For 304 Stainless Steel, Add	15.19	
05 12 23 00-0765 LF 3-1/2" Diameter x 0.083" Round Steel Tubing	10.80	3.42
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.38	
For 316 Stainless Steel, Add	19.97	
For Aluminum, Add	1.12	
For Galvanized Steel, Add	3.87	
For 304 Stainless Steel, Add	17.78	
05 12 23 00-0766 LF 4" Diameter x 0.083" Round Steel Tubing	12.38	3.93
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.58	
For 316 Stainless Steel, Add	22.88	
For Aluminum, Add	1.29	
For Galvanized Steel, Add	4.43	
For 304 Stainless Steel, Add	20.38	
05 12 23 00-0767 0.125" Wall Thickness (05 12 23 00-0748)		
05 12 23 00-0768 LF 2" Diameter x 0.125" Round Steel Tubing	6.67	2.43
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.90	
For 316 Stainless Steel, Add	11.01	
For Aluminum, Add	0.62	
For Galvanized Steel, Add	2.13	
For 304 Stainless Steel, Add	9.80	
05 12 23 00-0769 LF 2-1/2" Diameter x 0.125" Round Steel Tubing	8.45	3.07
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	13.92	
For Aluminum, Add	0.78	
For Galvanized Steel, Add	2.70	
For 304 Stainless Steel, Add	12.40	
05 12 23 00-0770 LF 3" Diameter x 0.125" Round Steel Tubing	10.22	3.71
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.01	
For >1,000, Deduct	-1.39	
For 316 Stainless Steel, Add	16.86	
For Aluminum, Add	0.95	
For Galvanized Steel, Add	3.27	
For 304 Stainless Steel, Add	15.02	
05 12 23 00-0771 LF 3-1/2" Diameter x 0.125" Round Steel Tubing	12.01	4.37
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.63	
For 316 Stainless Steel, Add	19.81	
For Aluminum, Add	1.11	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	17.64	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0772 LF 4" Diameter x 0.125" Round Steel Tubing	13.78	5.01
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.85	
For >500 To 1,000, Deduct	-1.36	
For >1,000, Deduct	-1.87	
For 316 Stainless Steel, Add	22.72	
For Aluminum, Add	1.28	
For Galvanized Steel, Add	4.40	
For 304 Stainless Steel, Add	20.24	
05 12 23 00-0773 Flat Steel Bar (05 12 23 00-0437)		
05 12 23 00-0774 1/8" Thick (05 12 23 00-0773)		
05 12 23 00-0775 LF 1/8" Thick x 1" Wide Flat Steel Bar	2.49	1.21
For 316 Stainless Steel, Add	2.18	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.94	
05 12 23 00-0776 LF 1/8" Thick x 2" Wide Flat Steel Bar	3.85	1.81
For 316 Stainless Steel, Add	3.65	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.71	
For 304 Stainless Steel, Add	3.25	
05 12 23 00-0777 LF 1/8" Thick x 4" Wide Flat Steel Bar	5.90	2.55
For 316 Stainless Steel, Add	6.66	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.29	
For 304 Stainless Steel, Add	5.93	
05 12 23 00-0778 LF 1/8" Thick x 6" Wide Flat Steel Bar	7.99	3.46
For 316 Stainless Steel, Add	8.96	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	7.98	
05 12 23 00-0779 3/16" Thick (05 12 23 00-0773)		
05 12 23 00-0780 LF 3/16" Thick x 1" Wide Flat Steel Bar	3.28	1.50
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.96	
05 12 23 00-0781 LF 3/16" Thick x 2" Wide Flat Steel Bar	5.17	2.24
For 316 Stainless Steel, Add	5.76	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.12	
For 304 Stainless Steel, Add	5.13	
05 12 23 00-0782 LF 3/16" Thick x 4" Wide Flat Steel Bar	6.91	2.59
For 316 Stainless Steel, Add	9.73	
For Aluminum, Add	0.55	
For Galvanized Steel, Add	1.88	
For 304 Stainless Steel, Add	8.66	
05 12 23 00-0783 LF 3/16" Thick x 6" Wide Flat Steel Bar	9.58	3.58
For 316 Stainless Steel, Add	13.47	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.61	
For 304 Stainless Steel, Add	12.00	
05 12 23 00-0784 1/4" Thick (05 12 23 00-0773)		
05 12 23 00-0785 LF 1/4" Thick x 1" Wide Flat Steel Bar	3.41	1.58
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	
05 12 23 00-0786 LF 1/4" Thick x 2" Wide Flat Steel Bar	5.65	2.38
For 316 Stainless Steel, Add	6.69	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.30	
For 304 Stainless Steel, Add	5.96	
05 12 23 00-0787 LF 1/4" Thick x 4" Wide Flat Steel Bar	8.11	2.71
For 316 Stainless Steel, Add	12.93	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	11.51	
05 12 23 00-0788 LF 1/4" Thick x 6" Wide Flat Steel Bar	11.76	4.01
For 316 Stainless Steel, Add	18.34	
For Aluminum, Add	1.03	
For Galvanized Steel, Add	3.55	
For 304 Stainless Steel, Add	16.33	
05 12 23 00-0789 3/8" Thick (05 12 23 00-0773)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0790	LF		3/8" Thick x 1" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	4.30 5.18 0.29 1.00 4.62	1.78
05 12 23 00-0791	LF		3/8" Thick x 2" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	7.00 9.57 0.54 1.85 8.52	2.67
05 12 23 00-0792	LF		3/8" Thick x 4" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	10.56 19.14 1.08 3.71 17.04	3.05
05 12 23 00-0793	LF		3/8" Thick x 6" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	15.19 26.91 1.51 5.21 23.97	4.51
05 12 23 00-0794			1/2" Thick <small>(05 12 23 00-0773)</small>		
05 12 23 00-0795	LF		1/2" Thick x 1" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.02 6.66 0.37 1.29 5.93	1.95
05 12 23 00-0796	LF		1/2" Thick x 2" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	8.24 12.22 0.69 2.37 10.89	2.94
05 12 23 00-0797	LF		1/2" Thick x 4" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	11.53 20.80 1.17 4.03 18.53	3.35
05 12 23 00-0798	LF		1/2" Thick x 6" Wide Flat Steel Bar <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	20.43 41.50 2.33 8.04 36.96	4.96
05 12 23 00-0799			Flat Steel Plate <small>(05 12 23 00-0437)</small>		
05 12 23 00-0800	SF		1/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	12.68 15.65 0.88 3.03 13.94	5.19
05 12 23 00-0801	SF		3/16" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	14.18 19.58 1.10 3.79 17.44	5.37
05 12 23 00-0802	SF		1/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	16.85 24.99 1.41 4.84 22.26	6.02
05 12 23 00-0803	SF		3/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	22.42 39.20 2.21 7.60 34.91	6.77
05 12 23 00-0804	SF		1/2" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	26.44 48.83 2.75 9.46 43.49	7.45
05 12 23 00-0805	SF		3/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	42.61 91.62 5.15 17.75 81.60	9.22
05 12 23 00-0806	SF		1" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	56.67 125.44 7.06 24.30 111.72	11.53

05 13 Structural Stainless-Steel Framing (05 10)



Metals	05	05
Structural Metal Framing	05 10	
Structural Stainless-Steel Framing	05 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 13 00 00-0001 Stainless Steel Tube <small>(05 13)</small>		
05 13 00 00-0002 LF 1" x 1" Stainless Steel Tube.....	23.46	
05 13 00 00-0003 LF 1-1/2" x 1-1/2" Stainless Steel Tube	30.42	
05 13 00 00-0004 LF 2" x 2" Stainless Steel Tube.....	40.33	
 05 14 Structural Aluminum Framing <small>(05 10)</small>		
05 14 16 Structural Aluminum Framing <small>(05 14)</small>		
05 14 16 00-0001 Rolled Or Plate Shapes <small>(05 14 16)</small>		
Note: 1" through 10" member.		
05 14 16 00-0002 LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.60	4.00
05 14 16 00-0003 LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.35	2.70
 05 14 16 00-0004 Aluminum Extrusions <small>(05 14 16)</small>		
05 14 16 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.80	2.70
05 14 16 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	7.03	2.70
 05 14 16 00-0007 Aluminum Tubing <small>(05 14 16)</small>		
05 14 16 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	8.14	2.91
05 14 16 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.69	4.73
05 14 16 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	12.03	5.16
05 14 16 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.97	6.03
05 14 16 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.47	6.45
05 14 16 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness	28.16	8.17
05 14 16 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness	24.04	7.32
 05 14 16 00-0015 Columns <small>(05 14 16)</small>		
Note: Baked on paint finish, load bearing.		
05 14 16 00-0016 Round Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0017 LF 6" Diameter Aluminum Column	21.94	5.59
05 14 16 00-0018 LF 8" Diameter Aluminum Column	29.14	7.99
05 14 16 00-0019 LF 10" Diameter Aluminum Column	34.56	9.00
05 14 16 00-0020 LF 12" Diameter Aluminum Column	46.56	9.41
05 14 16 00-0021 LF 15" Diameter Aluminum Column	58.03	10.91
05 14 16 00-0022 EA 6" Diameter Aluminum Base And Cap	40.90	10.41
05 14 16 00-0023 EA 8" Diameter Aluminum Base And Cap	45.94	11.24
05 14 16 00-0024 EA 10" Diameter Aluminum Base And Cap	55.82	12.49
05 14 16 00-0025 EA 12" Diameter Aluminum Base And Cap	85.91	13.32
05 14 16 00-0026 EA 15" Diameter Aluminum Base And Cap	124.09	14.57
 05 14 16 00-0027 Octagonal Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0028 LF 6" Diameter Aluminum Column	22.90	5.59
05 14 16 00-0029 LF 8" Diameter Aluminum Column	31.77	7.99
05 14 16 00-0030 LF 10" Diameter Aluminum Column	37.87	9.00
05 14 16 00-0031 LF 12" Diameter Aluminum Column	52.12	9.41
05 14 16 00-0032 LF 15" Diameter Aluminum Column	65.29	10.91
05 14 16 00-0033 EA 6" Diameter Aluminum Base And Cap	44.91	10.41
05 14 16 00-0034 EA 8" Diameter Aluminum Base And Cap	50.64	11.24
05 14 16 00-0035 EA 10" Diameter Aluminum Base And Cap	61.99	12.49
05 14 16 00-0036 EA 12" Diameter Aluminum Base And Cap	97.77	13.32
05 14 16 00-0037 EA 15" Diameter Aluminum Base And Cap	143.08	14.57
 05 14 16 00-0038 Fluted Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0039 LF 6" Diameter Aluminum Column	24.67	5.59
05 14 16 00-0040 LF 8" Diameter Aluminum Column	34.13	7.99
05 14 16 00-0041 LF 10" Diameter Aluminum Column	40.86	9.00
05 14 16 00-0042 LF 12" Diameter Aluminum Column	57.13	9.41
05 14 16 00-0043 LF 15" Diameter Aluminum Column	71.82	10.91
05 14 16 00-0044 EA 6" Diameter Aluminum Base And Cap	48.53	10.41
05 14 16 00-0045 EA 8" Diameter Aluminum Base And Cap	54.86	11.24
05 14 16 00-0046 EA 10" Diameter Aluminum Base And Cap	67.54	12.49
05 14 16 00-0047 EA 12" Diameter Aluminum Base And Cap	108.43	13.32
05 14 16 00-0048 EA 15" Diameter Aluminum Base And Cap	160.17	14.57
 05 14 16 00-0049 Square Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0050 LF 6" Aluminum Column	25.89	5.59
05 14 16 00-0051 LF 8" Aluminum Column	35.74	7.99
05 14 16 00-0052 LF 10" Aluminum Column	42.90	9.00
05 14 16 00-0053 LF 12" Aluminum Column	60.55	9.41
05 14 16 00-0054 LF 15" Aluminum Column	76.29	10.91
05 14 16 00-0055 EA 6" Aluminum Base And Cap	51.00	10.41

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 14 16 00-0056	EA	8" Aluminum Base And Cap.....		57.75	11.24
05 14 16 00-0057	EA	10" Aluminum Base And Cap.....		71.34	12.49
05 14 16 00-0058	EA	12" Aluminum Base And Cap.....		115.73	13.32
05 14 16 00-0059	EA	15" Aluminum Base And Cap.....		171.86	14.57
05 14 16 00-0060		Ornamental Or Decorative Cap And Bases <small>(05 14 16 00-0015)</small>			
05 14 16 00-0061	EA	8" Corinthian Capital And Base.....		229.38	12.49
05 14 16 00-0062	EA	10" Corinthian Capital And Base.....		332.69	14.57
05 14 16 00-0063	EA	12" Corinthian Capital And Base.....		518.11	16.65
05 14 16 00-0064	EA	8" Scamozzi Capital And Base.....		121.94	12.49
05 14 16 00-0065	EA	10" Scamozzi Capital And Base.....		160.61	14.57
05 14 16 00-0066	EA	12" Scamozzi Capital And Base.....		306.90	16.65
05 15		Wire Rope Assemblies <small>(05 10)</small>			
05 15 16		Steel Wire Rope Assemblies <small>(05 15)</small>			
Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.					
05 15 16 00-0001		6x7 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>			
05 15 16 00-0002	LF	1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.31	0.06
		<i>For 7x7 Strand Core, Add</i>		0.01	
		<i>For <100, Add</i>		0.08	
		<i>For >500 To 1,000, Deduct</i>		-0.02	
		<i>For >1,000 To 2,000, Deduct</i>		-0.02	
		<i>For >2,000, Deduct</i>		-0.03	
05 15 16 00-0003	LF	3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.35	0.07
		<i>For 7x7 Strand Core, Add</i>		0.01	
		<i>For <100, Add</i>		0.09	
		<i>For >500 To 1,000, Deduct</i>		-0.02	
		<i>For >1,000 To 2,000, Deduct</i>		-0.03	
		<i>For >2,000, Deduct</i>		-0.04	
05 15 16 00-0004	LF	1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.46	0.08
		<i>For 7x7 Strand Core, Add</i>		0.02	
		<i>For <100, Add</i>		0.13	
		<i>For >500 To 1,000, Deduct</i>		-0.02	
		<i>For >1,000 To 2,000, Deduct</i>		-0.03	
		<i>For >2,000, Deduct</i>		-0.05	
05 15 16 00-0005	LF	5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.51	0.09
		<i>For 7x7 Strand Core, Add</i>		0.02	
		<i>For <100, Add</i>		0.14	
		<i>For >500 To 1,000, Deduct</i>		-0.03	
		<i>For >1,000 To 2,000, Deduct</i>		-0.04	
		<i>For >2,000, Deduct</i>		-0.05	
05 15 16 00-0006	LF	3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.72	0.09
		<i>For 7x7 Strand Core, Add</i>		0.03	
		<i>For <100, Add</i>		0.21	
		<i>For >500 To 1,000, Deduct</i>		-0.04	
		<i>For >1,000 To 2,000, Deduct</i>		-0.05	
		<i>For >2,000, Deduct</i>		-0.07	
05 15 16 00-0007	LF	1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		0.94	0.09
		<i>For 7x7 Strand Core, Add</i>		0.04	
		<i>For <100, Add</i>		0.29	
		<i>For >500 To 1,000, Deduct</i>		-0.05	
		<i>For >1,000 To 2,000, Deduct</i>		-0.07	
		<i>For >2,000, Deduct</i>		-0.09	
05 15 16 00-0008	LF	5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		1.19	0.09
		<i>For 7x7 Strand Core, Add</i>		0.05	
		<i>For <100, Add</i>		0.36	
		<i>For >500 To 1,000, Deduct</i>		-0.06	
		<i>For >1,000 To 2,000, Deduct</i>		-0.09	
		<i>For >2,000, Deduct</i>		-0.12	
05 15 16 00-0009	LF	3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		1.51	0.09
		<i>For 7x7 Strand Core, Add</i>		0.06	
		<i>For <100, Add</i>		0.46	
		<i>For >500 To 1,000, Deduct</i>		-0.08	
		<i>For >1,000 To 2,000, Deduct</i>		-0.11	
		<i>For >2,000, Deduct</i>		-0.15	
05 15 16 00-0010	LF	7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		1.87	0.17
		<i>For 7x7 Strand Core, Add</i>		0.07	
		<i>For <100, Add</i>		0.55	
		<i>For >500 To 1,000, Deduct</i>		-0.09	
		<i>For >1,000 To 2,000, Deduct</i>		-0.14	
		<i>For >2,000, Deduct</i>		-0.19	
05 15 16 00-0011	LF	1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....		2.21	0.17
		<i>For 7x7 Strand Core, Add</i>		0.08	
		<i>For <100, Add</i>		0.64	
		<i>For >500 To 1,000, Deduct</i>		-0.11	
		<i>For >1,000 To 2,000, Deduct</i>		-0.17	
		<i>For >2,000, Deduct</i>		-0.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0012	LF		9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.68 0.09 0.77 -0.13 -0.20 -0.27	0.26
05 15 16 00-0013	LF		5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.09 0.10 0.88 -0.15 -0.23 -0.31	0.34
05 15 16 00-0014	LF		3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.16 0.14 1.17 -0.21 -0.31 -0.42	0.43
05 15 16 00-0015			8x19 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0016	LF		3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.04 0.32 -0.05 -0.08 -0.10	0.09
05 15 16 00-0017	LF		1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.55 0.50 -0.08 -0.12 -0.16	0.09
05 15 16 00-0018	LF		5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.79 0.57 -0.09 -0.13 -0.18	0.09
05 15 16 00-0019	LF		3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.10 0.66 -0.11 -0.16 -0.21	0.09
05 15 16 00-0020	LF		7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.49 0.77 -0.12 -0.19 -0.25	0.17
05 15 16 00-0021	LF		1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.87 0.87 -0.14 -0.22 -0.29	0.17
05 15 16 00-0022	LF		9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.39 1.01 -0.17 -0.25 -0.34	0.26
05 15 16 00-0023	LF		5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.08 1.22 -0.20 -0.31 -0.41	0.34
05 15 16 00-0024	LF		3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	5.71 1.70 -0.29 -0.43 -0.57	0.43
05 15 16 00-0025	LF		7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	7.59 2.24 -0.38 -0.57 -0.76	0.60
05 15 16 00-0026	LF		1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	9.54 2.80 -0.48 -0.72 -0.95	0.87
05 15 16 00-0027	LF		1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	7.01 1.77 -0.35 -0.53 -0.70	1.04
05 15 16 00-0028	LF		1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	14.42 4.19 -0.72 -1.08 -1.44	1.29

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0029	LF		1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.33	1.55
			For <100, Add	5.04	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000 To 2,000, Deduct	-1.30	
			For >2,000, Deduct	-1.73	
05 15 16 00-0030	LF		1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.60	1.89
			For <100, Add	5.98	
			For >500 To 1,000, Deduct	-1.03	
			For >1,000 To 2,000, Deduct	-1.55	
			For >2,000, Deduct	-2.06	
05 15 16 00-0031			6x19 Class Bright, IPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0032	LF		1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.48	0.09
			For <100, Add	0.48	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
			For 7x19 Strand Core, Add	0.26	
			For Heavy Duty IWRC Rating, Add	0.32	
			For 7x19 Galvanized, Add	0.70	
05 15 16 00-0033	LF		5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	1.75	0.09
			For <100, Add	0.55	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.18	
			For 7x19 Strand Core, Add	0.29	
			For Heavy Duty IWRC Rating, Add	0.36	
			For 7x19 Galvanized, Add	0.79	
05 15 16 00-0034	LF		3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.10	0.17
			For <100, Add	0.65	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
			For 7x19 Strand Core, Add	0.33	
			For Heavy Duty IWRC Rating, Add	0.42	
			For 7x19 Galvanized, Add	0.91	
05 15 16 00-0035	LF		7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.48	0.17
			For <100, Add	0.75	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.19	
			For >2,000, Deduct	-0.25	
			For 7x19 Strand Core, Add	0.38	
			For Heavy Duty IWRC Rating, Add	0.47	
			For 7x19 Galvanized, Add	1.03	
05 15 16 00-0036	LF		1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.91	0.26
			For <100, Add	0.86	
			For >500 To 1,000, Deduct	-0.15	
			For >1,000 To 2,000, Deduct	-0.22	
			For >2,000, Deduct	-0.29	
			For 7x19 Strand Core, Add	0.42	
			For Heavy Duty IWRC Rating, Add	0.53	
			For 7x19 Galvanized, Add	1.16	
05 15 16 00-0037	LF		9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.44	0.34
			For <100, Add	1.00	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.34	
			For 7x19 Strand Core, Add	0.48	
			For Heavy Duty IWRC Rating, Add	0.61	
			For 7x19 Galvanized, Add	1.33	
05 15 16 00-0038	LF		5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.96	0.34
			For <100, Add	1.14	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000 To 2,000, Deduct	-0.30	
			For >2,000, Deduct	-0.40	
			For 7x19 Strand Core, Add	0.54	
			For Heavy Duty IWRC Rating, Add	0.68	
			For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039	LF		3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	5.61	0.60
			For <100, Add	1.60	
			For >500 To 1,000, Deduct	-0.28	
			For >1,000 To 2,000, Deduct	-0.42	
			For >2,000, Deduct	-0.56	
			For 7x19 Strand Core, Add	0.76	
			For Heavy Duty IWRC Rating, Add	0.95	
			For 7x19 Galvanized, Add	2.09	
05 15 16 00-0040	LF		7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	7.41	0.68
			For <100, Add	2.10	
			For >500 To 1,000, Deduct	-0.37	
			For >1,000 To 2,000, Deduct	-0.56	
			For >2,000, Deduct	-0.74	
			For 7x19 Strand Core, Add	0.99	
			For Heavy Duty IWRC Rating, Add	1.24	
			For 7x19 Galvanized, Add	2.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0041 LF 1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	9.34	0.95
For <100, Add	2.62	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.70	
For >2,000, Deduct	-0.93	
For 7x19 Strand Core, Add	1.22	
For Heavy Duty IWRC Rating, Add	1.52	
For 7x19 Galvanized, Add	3.35	
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	11.57	1.21
For <100, Add	3.24	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000, Deduct	-1.16	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	13.79	1.46
For <100, Add	3.84	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-1.38	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	16.73	1.81
For <100, Add	4.65	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.25	
For >2,000, Deduct	-1.67	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	19.85	2.15
For <100, Add	5.51	
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 2,000, Deduct	-1.49	
For >2,000, Deduct	-1.99	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	
05 15 16 00-0046 LF 1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.61	2.50
For <100, Add	6.59	
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 2,000, Deduct	-1.77	
For >2,000, Deduct	-2.36	
For 7x19 Strand Core, Add	3.04	
For Heavy Duty IWRC Rating, Add	3.81	
For 7x19 Galvanized, Add	8.37	
05 15 16 00-0047 LF 1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	31.63	4.18
For <100, Add	8.32	
For >500 To 1,000, Deduct	-1.58	
For >1,000 To 2,000, Deduct	-2.37	
For >2,000, Deduct	-3.16	
For 7x19 Strand Core, Add	3.57	
For Heavy Duty IWRC Rating, Add	4.47	
For 7x19 Galvanized, Add	9.83	
05 15 16 00-0048 LF 1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	36.34	4.72
For <100, Add	9.56	
For >500 To 1,000, Deduct	-1.82	
For >1,000 To 2,000, Deduct	-2.73	
For >2,000, Deduct	-3.63	
For 7x19 Strand Core, Add	4.11	
For Heavy Duty IWRC Rating, Add	5.14	
For 7x19 Galvanized, Add	11.30	
05 15 16 00-0049 LF 2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	41.74	5.44
For <100, Add	10.98	
For >500 To 1,000, Deduct	-2.09	
For >1,000 To 2,000, Deduct	-3.13	
For >2,000, Deduct	-4.17	
For 7x19 Strand Core, Add	4.72	
For Heavy Duty IWRC Rating, Add	5.90	
For 7x19 Galvanized, Add	12.97	
05 15 16 00-0050 LF 2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	47.00	6.09
For <100, Add	12.42	
For >500 To 1,000, Deduct	-2.35	
For >1,000 To 2,000, Deduct	-3.53	
For >2,000, Deduct	-4.70	
For 7x19 Strand Core, Add	5.37	
For Heavy Duty IWRC Rating, Add	6.71	
For 7x19 Galvanized, Add	14.76	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0051	LF		2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	53.30	6.81
			<i>For <100, Add</i>	14.12	
			<i>For >500 To 1,000, Deduct</i>	-2.67	
			<i>For >1,000 To 2,000, Deduct</i>	-4.00	
			<i>For >2,000, Deduct</i>	-5.33	
			<i>For 7x19 Strand Core, Add</i>	6.12	
			<i>For Heavy Duty IWRC Rating, Add</i>	7.65	
			<i>For 7x19 Galvanized, Add</i>	16.83	
05 15 16 00-0052			6x37 Class Bright, IPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0053	LF		1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.86	0.09
			<i>For <100, Add</i>	0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.14	
			<i>For >2,000, Deduct</i>	-0.19	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0054	LF		5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.22	0.09
			<i>For <100, Add</i>	0.72	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.17	
			<i>For >2,000, Deduct</i>	-0.22	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0055	LF		3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.67	0.17
			<i>For <100, Add</i>	0.85	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
			<i>For XIPS Wire, Add</i>	0.06	
05 15 16 00-0056	LF		7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.09	0.17
			<i>For <100, Add</i>	0.96	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
			<i>For XIPS Wire, Add</i>	0.07	
05 15 16 00-0057	LF		1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.61	0.26
			<i>For <100, Add</i>	1.10	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000 To 2,000, Deduct</i>	-0.27	
			<i>For >2,000, Deduct</i>	-0.36	
			<i>For XIPS Wire, Add</i>	0.09	
05 15 16 00-0058	LF		9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.18	0.34
			<i>For <100, Add</i>	1.26	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000 To 2,000, Deduct</i>	-0.31	
			<i>For >2,000, Deduct</i>	-0.42	
			<i>For XIPS Wire, Add</i>	0.10	
05 15 16 00-0059	LF		5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.76	0.34
			<i>For <100, Add</i>	1.42	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000, Deduct</i>	-0.48	
			<i>For XIPS Wire, Add</i>	0.11	
05 15 16 00-0060	LF		3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	6.37	0.60
			<i>For <100, Add</i>	1.87	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.48	
			<i>For >2,000, Deduct</i>	-0.64	
			<i>For XIPS Wire, Add</i>	0.15	
05 15 16 00-0061	LF		7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	8.23	0.68
			<i>For <100, Add</i>	2.39	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000 To 2,000, Deduct</i>	-0.62	
			<i>For >2,000, Deduct</i>	-0.82	
			<i>For XIPS Wire, Add</i>	0.19	
05 15 16 00-0062	LF		1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	10.37	0.95
			<i>For <100, Add</i>	2.99	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000 To 2,000, Deduct</i>	-0.78	
			<i>For >2,000, Deduct</i>	-1.04	
			<i>For XIPS Wire, Add</i>	0.24	
05 15 16 00-0063	LF		1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	12.87	1.21
			<i>For <100, Add</i>	3.68	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000 To 2,000, Deduct</i>	-0.97	
			<i>For >2,000, Deduct</i>	-1.29	
			<i>For XIPS Wire, Add</i>	0.30	
05 15 16 00-0064	LF		1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	15.35	1.46
			<i>For <100, Add</i>	4.39	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000 To 2,000, Deduct</i>	-1.15	
			<i>For >2,000, Deduct</i>	-1.54	
			<i>For XIPS Wire, Add</i>	0.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0065 LF 1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	18.20	1.81
For <100, Add	5.16	
For >500 To 1,000, Deduct	-0.91	
For >1,000 To 2,000, Deduct	-1.37	
For >2,000, Deduct	-1.82	
For XIPS Wire, Add	0.42	
05 15 16 00-0066 LF 1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	21.66	2.15
For <100, Add	6.15	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,000, Deduct	-1.62	
For >2,000, Deduct	-2.17	
For XIPS Wire, Add	0.51	
05 15 16 00-0067 LF 1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	26.00	2.59
For <100, Add	7.38	
For >500 To 1,000, Deduct	-1.30	
For >1,000 To 2,000, Deduct	-1.95	
For >2,000, Deduct	-2.60	
For XIPS Wire, Add	0.61	
05 15 16 00-0068 LF 1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	34.58	4.18
For <100, Add	9.31	
For >500 To 1,000, Deduct	-1.73	
For >1,000 To 2,000, Deduct	-2.59	
For >2,000, Deduct	-3.46	
For XIPS Wire, Add	0.79	
05 15 16 00-0069 LF 1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	39.97	4.72
For <100, Add	10.83	
For >500 To 1,000, Deduct	-2.00	
For >1,000 To 2,000, Deduct	-3.00	
For >2,000, Deduct	-4.00	
For XIPS Wire, Add	0.92	
05 15 16 00-0070 LF 2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	45.60	5.44
For <100, Add	12.33	
For >500 To 1,000, Deduct	-2.28	
For >1,000 To 2,000, Deduct	-3.42	
For >2,000, Deduct	-4.56	
For XIPS Wire, Add	1.05	
05 15 16 00-0071 LF 2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	51.40	6.09
For <100, Add	13.96	
For >500 To 1,000, Deduct	-2.57	
For >1,000 To 2,000, Deduct	-3.86	
For >2,000, Deduct	-5.14	
For XIPS Wire, Add	1.18	
05 15 16 00-0072 LF 2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	58.02	6.81
For <100, Add	15.77	
For >500 To 1,000, Deduct	-2.90	
For >1,000 To 2,000, Deduct	-4.35	
For >2,000, Deduct	-5.80	
For XIPS Wire, Add	1.34	
05 15 16 00-0073 6x19 And 6x37 Swaged Wire Rope (05 15 16)		
05 15 16 00-0074 LF 1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.09	0.34
For <100, Add	1.56	
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 2,000, Deduct	-0.38	
For >2,000, Deduct	-0.51	
05 15 16 00-0075 LF 9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.71	0.34
For <100, Add	1.76	
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 2,000, Deduct	-0.43	
For >2,000, Deduct	-0.57	
05 15 16 00-0076 LF 5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.06	0.43
For <100, Add	2.18	
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 2,000, Deduct	-0.53	
For >2,000, Deduct	-0.71	
05 15 16 00-0077 LF 3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.72	0.68
For <100, Add	2.62	
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 2,000, Deduct	-0.65	
For >2,000, Deduct	-0.87	
05 15 16 00-0078 LF 7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.85	0.87
For <100, Add	3.22	
For >500 To 1,000, Deduct	-0.54	
For >1,000 To 2,000, Deduct	-0.81	
For >2,000, Deduct	-1.09	
05 15 16 00-0079 LF 1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.42	1.12
For <100, Add	3.93	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 2,000, Deduct	-1.01	
For >2,000, Deduct	-1.34	
05 15 16 00-0080 LF 1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.88	1.46
For <100, Add	4.94	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000, Deduct	-1.69	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0081	LF		1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	20.18	1.81
			<i>For <100, Add</i>	5.87	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000 To 2,000, Deduct</i>	-1.51	
			<i>For >2,000, Deduct</i>	-2.02	
05 15 16 00-0082	LF		1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.70	2.15
			<i>For <100, Add</i>	6.85	
			<i>For >500 To 1,000, Deduct</i>	-1.19	
			<i>For >1,000 To 2,000, Deduct</i>	-1.78	
			<i>For >2,000, Deduct</i>	-2.37	
05 15 16 00-0083	LF		1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.95	3.64
			<i>For <100, Add</i>	8.76	
			<i>For >500 To 1,000, Deduct</i>	-1.60	
			<i>For >1,000 To 2,000, Deduct</i>	-2.40	
			<i>For >2,000, Deduct</i>	-3.20	
05 15 16 00-0084			Flattened Strand Wire Rope, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0085	LF		5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.54	0.34
			<i>For <100, Add</i>	2.05	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0086	LF		3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.85	0.51
			<i>For <100, Add</i>	2.75	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000 To 2,000, Deduct</i>	-0.66	
			<i>For >2,000, Deduct</i>	-0.89	
05 15 16 00-0087	LF		7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.21	0.68
			<i>For <100, Add</i>	3.44	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000 To 2,000, Deduct</i>	-0.84	
			<i>For >2,000, Deduct</i>	-1.12	
05 15 16 00-0088	LF		1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.72	0.95
			<i>For <100, Add</i>	4.18	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000 To 2,000, Deduct</i>	-1.03	
			<i>For >2,000, Deduct</i>	-1.37	
05 15 16 00-0089	LF		1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.63	1.21
			<i>For <100, Add</i>	5.03	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000 To 2,000, Deduct</i>	-1.25	
			<i>For >2,000, Deduct</i>	-1.66	
05 15 16 00-0090	LF		1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	20.13	1.46
			<i>For <100, Add</i>	6.08	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000 To 2,000, Deduct</i>	-1.51	
			<i>For >2,000, Deduct</i>	-2.01	
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.28	1.72
			<i>For <100, Add</i>	7.33	
			<i>For >500 To 1,000, Deduct</i>	-1.21	
			<i>For >1,000 To 2,000, Deduct</i>	-1.82	
			<i>For >2,000, Deduct</i>	-2.43	
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.75	2.15
			<i>For <100, Add</i>	9.01	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000 To 2,000, Deduct</i>	-2.23	
			<i>For >2,000, Deduct</i>	-2.98	
05 15 16 00-0093	LF		1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	35.50	2.50
			<i>For <100, Add</i>	10.79	
			<i>For >500 To 1,000, Deduct</i>	-1.78	
			<i>For >1,000 To 2,000, Deduct</i>	-2.66	
			<i>For >2,000, Deduct</i>	-3.55	
05 15 16 00-0094	LF		1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	45.52	4.00
			<i>For <100, Add</i>	13.29	
			<i>For >500 To 1,000, Deduct</i>	-2.28	
			<i>For >1,000 To 2,000, Deduct</i>	-3.41	
			<i>For >2,000, Deduct</i>	-4.55	
05 15 16 00-0095			Flattened Strand Wire Rope, XIP, IWRC <small>(05 15 16)</small>		
05 15 16 00-0096	LF		5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	6.61	0.34
			<i>For <100, Add</i>	2.06	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000, Deduct</i>	-0.66	
05 15 16 00-0097	LF		3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	8.93	0.60
			<i>For <100, Add</i>	2.76	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000 To 2,000, Deduct</i>	-0.67	
			<i>For >2,000, Deduct</i>	-0.89	
05 15 16 00-0098	LF		7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	11.33	0.77
			<i>For <100, Add</i>	3.46	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000 To 2,000, Deduct</i>	-0.85	
			<i>For >2,000, Deduct</i>	-1.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0099 LF 1" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	13.87	0.95
<i>For <100, Add</i>	4.20	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.04	
<i>For >2,000, Deduct</i>	-1.39	
05 15 16 00-0100 LF 1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	16.79	1.21
<i>For <100, Add</i>	5.05	
<i>For >500 To 1,000, Deduct</i>	-0.84	
<i>For >1,000 To 2,000, Deduct</i>	-1.26	
<i>For >2,000, Deduct</i>	-1.68	
05 15 16 00-0101 LF 1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	20.37	1.55
<i>For <100, Add</i>	6.11	
<i>For >500 To 1,000, Deduct</i>	-1.02	
<i>For >1,000 To 2,000, Deduct</i>	-1.53	
<i>For >2,000, Deduct</i>	-2.04	
05 15 16 00-0102 LF 1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	24.59	1.89
<i>For <100, Add</i>	7.38	
<i>For >500 To 1,000, Deduct</i>	-1.23	
<i>For >1,000 To 2,000, Deduct</i>	-1.84	
<i>For >2,000, Deduct</i>	-2.46	
05 15 16 00-0103 LF 1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	30.05	2.23
<i>For <100, Add</i>	9.05	
<i>For >500 To 1,000, Deduct</i>	-1.50	
<i>For >1,000 To 2,000, Deduct</i>	-2.25	
<i>For >2,000, Deduct</i>	-3.01	
05 15 16 00-0104 LF 1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	39.42	3.64
<i>For <100, Add</i>	11.38	
<i>For >500 To 1,000, Deduct</i>	-1.97	
<i>For >1,000 To 2,000, Deduct</i>	-2.96	
<i>For >2,000, Deduct</i>	-3.94	
05 15 16 00-0105 LF 1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	46.84	4.36
<i>For <100, Add</i>	13.49	
<i>For >500 To 1,000, Deduct</i>	-2.34	
<i>For >1,000 To 2,000, Deduct</i>	-3.51	
<i>For >2,000, Deduct</i>	-4.68	
05 15 16 00-0106 5x19 Coated Wire Rope, Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107 LF 9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	4.79	0.09
<i>For <100, Add</i>	1.60	
<i>For >500 To 1,000, Deduct</i>	-0.24	
<i>For >1,000 To 2,000, Deduct</i>	-0.36	
<i>For >2,000, Deduct</i>	-0.48	
05 15 16 00-0108 LF 5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.39	0.17
<i>For <100, Add</i>	1.79	
<i>For >500 To 1,000, Deduct</i>	-0.27	
<i>For >1,000 To 2,000, Deduct</i>	-0.40	
<i>For >2,000, Deduct</i>	-0.54	
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.85	0.17
<i>For <100, Add</i>	1.92	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.44	
<i>For >2,000, Deduct</i>	-0.59	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	6.49	0.17
<i>For <100, Add</i>	2.13	
<i>For >500 To 1,000, Deduct</i>	-0.32	
<i>For >1,000 To 2,000, Deduct</i>	-0.49	
<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0111 LF 13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.18	0.26
<i>For <100, Add</i>	2.34	
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 2,000, Deduct</i>	-0.54	
<i>For >2,000, Deduct</i>	-0.72	
05 15 16 00-0112 LF 7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.81	0.34
<i>For <100, Add</i>	2.52	
<i>For >500 To 1,000, Deduct</i>	-0.39	
<i>For >1,000 To 2,000, Deduct</i>	-0.59	
<i>For >2,000, Deduct</i>	-0.78	
05 15 16 00-0113 LF 1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	9.48	0.43
<i>For <100, Add</i>	3.03	
<i>For >500 To 1,000, Deduct</i>	-0.47	
<i>For >1,000 To 2,000, Deduct</i>	-0.71	
<i>For >2,000, Deduct</i>	-0.95	
05 15 16 00-0114 LF 1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.64	0.60
<i>For <100, Add</i>	3.69	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000 To 2,000, Deduct</i>	-0.87	
<i>For >2,000, Deduct</i>	-1.16	
05 15 16 00-0115 LF 1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.71	0.68
<i>For <100, Add</i>	4.35	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.03	
<i>For >2,000, Deduct</i>	-1.37	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0116	LF		1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.40	0.87
			<i>For <100, Add</i>	5.15	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000 To 2,000, Deduct</i>	-1.23	
			<i>For >2,000, Deduct</i>	-1.64	
05 15 16 00-0117	LF		1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.25	1.12
			<i>For <100, Add</i>	6.01	
			<i>For >500 To 1,000, Deduct</i>	-0.96	
			<i>For >1,000 To 2,000, Deduct</i>	-1.44	
			<i>For >2,000, Deduct</i>	-1.93	
05 15 16 00-0118	LF		1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	22.66	1.38
			<i>For <100, Add</i>	7.04	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000 To 2,000, Deduct</i>	-1.70	
			<i>For >2,000, Deduct</i>	-2.27	
05 15 16 00-0119	LF		1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	27.07	1.63
			<i>For <100, Add</i>	8.40	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000 To 2,000, Deduct</i>	-2.03	
			<i>For >2,000, Deduct</i>	-2.71	
05 15 16 00-0120			19x7 Rotation Resistant Wire Rope, IPS ^(05 15 16)		
05 15 16 00-0121	LF		3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.45	0.09
			<i>For <100, Add</i>	0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000 To 2,000, Deduct</i>	-0.11	
			<i>For >2,000, Deduct</i>	-0.15	
05 15 16 00-0122	LF		1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.71	0.09
			<i>For <100, Add</i>	0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.13	
			<i>For >2,000, Deduct</i>	-0.17	
05 15 16 00-0123	LF		5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.15	0.09
			<i>For <100, Add</i>	0.69	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.16	
			<i>For >2,000, Deduct</i>	-0.22	
05 15 16 00-0124	LF		3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.41	0.17
			<i>For <100, Add</i>	0.76	
			<i>For >500 To 1,000, Deduct</i>	-0.12	
			<i>For >1,000 To 2,000, Deduct</i>	-0.18	
			<i>For >2,000, Deduct</i>	-0.24	
05 15 16 00-0125	LF		7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.83	0.17
			<i>For <100, Add</i>	0.87	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.21	
			<i>For >2,000, Deduct</i>	-0.28	
05 15 16 00-0126	LF		1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.06	0.17
			<i>For <100, Add</i>	0.95	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
05 15 16 00-0127	LF		9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.74	0.34
			<i>For <100, Add</i>	1.11	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.28	
			<i>For >2,000, Deduct</i>	-0.37	
05 15 16 00-0128	LF		5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	4.45	0.34
			<i>For <100, Add</i>	1.31	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000 To 2,000, Deduct</i>	-0.33	
			<i>For >2,000, Deduct</i>	-0.45	
05 15 16 00-0129	LF		3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	6.48	0.51
			<i>For <100, Add</i>	1.92	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0130	LF		7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	8.43	0.68
			<i>For <100, Add</i>	2.47	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000 To 2,000, Deduct</i>	-0.63	
			<i>For >2,000, Deduct</i>	-0.84	
05 15 16 00-0131	LF		1" Diameter 19x7 Rotation Resistant Wire Rope IPS	10.53	0.95
			<i>For <100, Add</i>	3.06	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000 To 2,000, Deduct</i>	-0.79	
			<i>For >2,000, Deduct</i>	-1.05	
05 15 16 00-0132	LF		1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	12.91	1.21
			<i>For <100, Add</i>	3.72	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000 To 2,000, Deduct</i>	-0.97	
			<i>For >2,000, Deduct</i>	-1.29	



Metals	05
Structural Metal Framing	05 10
Wire Rope Assemblies	05 15

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0133	LF		1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS	15.58	1.46
			For <100, Add	4.47	
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 2,000, Deduct	-1.17	
			For >2,000, Deduct	-1.56	
05 15 16 00-0134	LF		1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS	18.48	1.81
			For <100, Add	5.28	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000 To 2,000, Deduct	-1.39	
			For >2,000, Deduct	-1.85	
05 15 16 00-0135	LF		1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS	21.45	2.15
			For <100, Add	6.10	
			For >500 To 1,000, Deduct	-1.07	
			For >1,000 To 2,000, Deduct	-1.61	
			For >2,000, Deduct	-2.15	
05 15 16 00-0136			8x19 Class Bright, Rotation Resistant, XIPS, IWRC (05 15 16)		
05 15 16 00-0137	LF		3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	2.55	0.17
			For <100, Add	0.80	
			For >500 To 1,000, Deduct	-0.13	
			For >1,000 To 2,000, Deduct	-0.19	
			For >2,000, Deduct	-0.26	
05 15 16 00-0138	LF		7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.01	0.17
			For <100, Add	0.93	
			For >500 To 1,000, Deduct	-0.15	
			For >1,000 To 2,000, Deduct	-0.23	
			For >2,000, Deduct	-0.30	
05 15 16 00-0139	LF		1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.46	0.26
			For <100, Add	1.05	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.35	
05 15 16 00-0140	LF		9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.07	0.34
			For <100, Add	1.22	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000 To 2,000, Deduct	-0.31	
			For >2,000, Deduct	-0.41	
05 15 16 00-0141	LF		5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.74	0.34
			For <100, Add	1.41	
			For >500 To 1,000, Deduct	-0.24	
			For >1,000 To 2,000, Deduct	-0.36	
			For >2,000, Deduct	-0.47	
05 15 16 00-0142	LF		3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	6.71	0.60
			For <100, Add	1.98	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 2,000, Deduct	-0.50	
			For >2,000, Deduct	-0.67	
05 15 16 00-0143	LF		7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	8.86	0.68
			For <100, Add	2.61	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.66	
			For >2,000, Deduct	-0.89	
05 15 16 00-0144	LF		1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	11.13	0.95
			For <100, Add	3.25	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 2,000, Deduct	-0.83	
			For >2,000, Deduct	-1.11	
05 15 16 00-0145	LF		1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.58	1.21
			For <100, Add	3.93	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000, Deduct	-1.36	
05 15 16 00-0146	LF		1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.23	1.46
			For <100, Add	4.67	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000 To 2,000, Deduct	-1.22	
			For >2,000, Deduct	-1.62	
05 15 16 00-0147	LF		1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.61	1.89
			For <100, Add	5.63	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000 To 2,000, Deduct	-1.47	
			For >2,000, Deduct	-1.96	
05 15 16 00-0148	LF		1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.44	2.23
			For <100, Add	6.71	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000 To 2,000, Deduct	-1.76	
			For >2,000, Deduct	-2.34	
05 15 16 00-0149			Heavy Duty Galvanized Wire Rope Thimbles (05 15 16)		
05 15 16 00-0150	EA		1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.44	2.59
05 15 16 00-0151	EA		5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.98	2.59
05 15 16 00-0152	EA		3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.59	2.59
05 15 16 00-0153	EA		7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.09	2.59



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0154	EA	1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.18	2.59
05 15 16 00-0155	EA	9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.18	2.59
05 15 16 00-0156	EA	5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.69	2.59
05 15 16 00-0157	EA	3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.70	3.96
05 15 16 00-0158	EA	7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	25.94	4.82
05 15 16 00-0159	EA	1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	44.54	7.92
05 15 16 00-0160	EA	1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	62.72	10.76
05 15 16 00-0161	EA	1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	65.05	10.76
05 15 16 00-0162	EA	1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	130.48	22.47
05 15 16 00-0163	EA	1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	186.97	32.28
05 15 16 00-0164	EA	1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	279.18	36.15
05 15 16 00-0165	EA	1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	329.46	43.04
05 15 16 00-0166	EA	1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	432.13	54.22
05 15 16 00-0167	EA	2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	451.02	54.22
05 15 16 00-0168	EA	2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	649.55	86.08
05 15 16 00-0169 Galvanized Wire Rope Clips (05 15 16)				
05 15 16 00-0170	EA	1/8" Diameter Galvanized Wire Rope Clips	11.19	2.59
05 15 16 00-0171	EA	3/16" Diameter Galvanized Wire Rope Clips	11.39	2.59
05 15 16 00-0172	EA	1/4" Diameter Galvanized Wire Rope Clips	12.53	2.59
05 15 16 00-0173	EA	5/16" Diameter Galvanized Wire Rope Clips	12.66	2.59
05 15 16 00-0174	EA	3/8" Diameter Galvanized Wire Rope Clips	12.95	2.59
05 15 16 00-0175	EA	7/16" Diameter Galvanized Wire Rope Clips	15.50	2.59
05 15 16 00-0176	EA	1/2" Diameter Galvanized Wire Rope Clips	15.50	2.59
05 15 16 00-0177	EA	9/16" Diameter Galvanized Wire Rope Clips	17.64	2.59
05 15 16 00-0178	EA	5/8" Diameter Galvanized Wire Rope Clips	17.64	2.59
05 15 16 00-0179	EA	3/4" Diameter Galvanized Wire Rope Clips	24.64	3.44
05 15 16 00-0180	EA	7/8" Diameter Galvanized Wire Rope Clips	37.30	5.16
05 15 16 00-0181	EA	1" Diameter Galvanized Wire Rope Clips	40.31	5.16
05 15 16 00-0182	EA	1-1/8" Diameter Galvanized Wire Rope Clips	48.32	6.88
05 15 16 00-0183	EA	1-1/4" Diameter Galvanized Wire Rope Clips	70.85	10.33
05 15 16 00-0184	EA	1-3/8" Diameter Galvanized Wire Rope Clips	85.63	11.19
05 15 16 00-0185	EA	1-1/2" Diameter Galvanized Wire Rope Clips	93.74	12.91
05 15 16 00-0186	EA	1-5/8" Diameter Galvanized Wire Rope Clips	137.26	16.36
05 15 16 00-0187	EA	1-3/4" Diameter Galvanized Wire Rope Clips	182.81	21.52
05 15 16 00-0188	EA	2" Diameter Galvanized Wire Rope Clips	222.88	28.40
05 15 16 00-0189	EA	2-1/4" Diameter Galvanized Wire Rope Clips	298.20	36.15
05 15 16 00-0190	EA	2-1/2" Diameter Galvanized Wire Rope Clips	331.68	39.60
05 15 16 00-0191	EA	2-3/4" Diameter Galvanized Wire Rope Clips	472.13	48.20
05 15 16 00-0192	EA	3" Diameter Galvanized Wire Rope Clips	633.03	71.44
05 15 16 00-0193 Open Swage Sockets (05 15 16)				
05 15 16 00-0194	EA	1/4" Diameter Open Swage Sockets	50.66	2.59
05 15 16 00-0195	EA	5/16" Diameter Open Swage Sockets	62.03	2.59
05 15 16 00-0196	EA	3/8" Diameter Open Swage Sockets	65.45	3.44
05 15 16 00-0197	EA	7/16" Diameter Open Swage Sockets	79.06	4.31
05 15 16 00-0198	EA	1/2" Diameter Open Swage Sockets	79.06	4.31
05 15 16 00-0199	EA	9/16" Diameter Open Swage Sockets	122.14	9.47
05 15 16 00-0200	EA	5/8" Diameter Open Swage Sockets	122.14	9.47
05 15 16 00-0201	EA	3/4" Diameter Open Swage Sockets	166.57	18.08
05 15 16 00-0202	EA	7/8" Diameter Open Swage Sockets	226.42	25.82
05 15 16 00-0203	EA	1" Diameter Open Swage Sockets	324.85	39.60
05 15 16 00-0204	EA	1-1/8" Diameter Open Swage Sockets	447.40	61.97
05 15 16 00-0205	EA	1-1/4" Diameter Open Swage Sockets	521.72	71.44
05 15 16 00-0206	EA	1-3/8" Diameter Open Swage Sockets	698.84	94.68
05 15 16 00-0207	EA	1-1/2" Diameter Open Swage Sockets	1,006.08	120.50
05 15 16 00-0208	EA	1-3/4" Diameter Open Swage Sockets	1,487.24	146.33
05 15 16 00-0209	EA	2" Diameter Open Swage Sockets	2,528.36	284.04
05 15 16 00-0210 Closed Swage Sockets (05 15 16)				
05 15 16 00-0211	EA	1/4" Diameter Closed Swage Sockets	33.14	2.59
05 15 16 00-0212	EA	5/16" Diameter Closed Swage Sockets	43.42	2.59
05 15 16 00-0213	EA	3/8" Diameter Closed Swage Sockets	51.17	2.59
05 15 16 00-0214	EA	7/16" Diameter Closed Swage Sockets	54.86	3.44
05 15 16 00-0215	EA	1/2" Diameter Closed Swage Sockets	60.50	3.44
05 15 16 00-0216	EA	9/16" Diameter Closed Swage Sockets	79.47	6.03
05 15 16 00-0217	EA	5/8" Diameter Closed Swage Sockets	83.58	6.88
05 15 16 00-0218	EA	3/4" Diameter Closed Swage Sockets	107.26	11.19
05 15 16 00-0219	EA	7/8" Diameter Closed Swage Sockets	142.65	16.36
05 15 16 00-0220	EA	1" Diameter Closed Swage Sockets	204.06	22.37
05 15 16 00-0221	EA	1-1/8" Diameter Closed Swage Sockets	257.77	30.99
05 15 16 00-0222	EA	1-1/4" Diameter Closed Swage Sockets	361.03	48.20
05 15 16 00-0223	EA	1-3/8" Diameter Closed Swage Sockets	472.98	61.97
05 15 16 00-0224	EA	1-1/2" Diameter Closed Swage Sockets	652.14	86.08
05 15 16 00-0225	EA	1-3/4" Diameter Closed Swage Sockets	884.74	111.89
05 15 16 00-0226	EA	2" Diameter Closed Swage Sockets	1,573.83	172.14



	Metals	05
	Structural Metal Framing	05 10
	Wire Rope Assemblies	05 15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0227			Open Spelter Sockets Galvanized <small>(05 15 16)</small>		
05 15 16 00-0228	EA		1/4" Open Spelter Sockets, Galvanized.....	47.13	2.59
05 15 16 00-0229	EA		5/16" Open Spelter Sockets, Galvanized.....	49.95	2.59
05 15 16 00-0230	EA		3/8" Open Spelter Sockets, Galvanized.....	54.21	2.59
05 15 16 00-0231	EA		7/16" Open Spelter Sockets, Galvanized.....	60.41	5.16
05 15 16 00-0232	EA		1/2" Open Spelter Sockets, Galvanized.....	64.91	5.16
05 15 16 00-0233	EA		9/16" Open Spelter Sockets, Galvanized.....	84.76	8.61
05 15 16 00-0234	EA		5/8" Open Spelter Sockets, Galvanized.....	90.28	8.61
05 15 16 00-0235	EA		3/4" Open Spelter Sockets, Galvanized.....	113.13	12.91
05 15 16 00-0236	EA		7/8" Open Spelter Sockets, Galvanized.....	174.24	21.52
05 15 16 00-0237	EA		1" Open Spelter Sockets, Galvanized.....	300.43	33.57
05 15 16 00-0238	EA		1-1/8" Open Spelter Sockets, Galvanized.....	392.32	54.22
05 15 16 00-0239	EA		1-1/4" Open Spelter Sockets, Galvanized.....	526.91	71.44
05 15 16 00-0240	EA		1-3/8" Open Spelter Sockets, Galvanized.....	553.39	71.44
05 15 16 00-0241	EA		1-1/2" Open Spelter Sockets, Galvanized.....	892.96	94.68
05 15 16 00-0242	EA		1-5/8" Open Spelter Sockets, Galvanized.....	1,066.26	120.50
05 15 16 00-0243	EA		1-3/4" Open Spelter Sockets, Galvanized.....	1,614.11	189.35
05 15 16 00-0244	EA		1-7/8" Open Spelter Sockets, Galvanized.....	1,709.16	189.35
05 15 16 00-0245	EA		2" Open Spelter Sockets, Galvanized.....	2,147.68	284.04
05 15 16 00-0246	EA		2-1/8" Open Spelter Sockets, Galvanized.....	2,257.03	284.04
05 15 16 00-0247	EA		2-1/2" Open Spelter Sockets, Galvanized.....	2,788.20	361.51
05 15 16 00-0248	EA		2-3/8" Open Spelter Sockets, Galvanized.....	2,937.21	361.51
05 15 16 00-0249			Closed Spelter Sockets Galvanized <small>(05 15 16)</small>		
05 15 16 00-0250	EA		1/4" Closed Spelter Sockets, Galvanized.....	40.33	2.59
05 15 16 00-0251	EA		5/16" Closed Spelter Sockets, Galvanized.....	40.77	2.59
05 15 16 00-0252	EA		3/8" Closed Spelter Sockets, Galvanized.....	44.27	2.59
05 15 16 00-0253	EA		7/16" Closed Spelter Sockets, Galvanized.....	49.37	4.31
05 15 16 00-0254	EA		1/2" Closed Spelter Sockets, Galvanized.....	53.06	4.31
05 15 16 00-0255	EA		9/16" Closed Spelter Sockets, Galvanized.....	74.25	7.75
05 15 16 00-0256	EA		5/8" Closed Spelter Sockets, Galvanized.....	79.18	7.75
05 15 16 00-0257	EA		3/4" Closed Spelter Sockets, Galvanized.....	96.59	11.19
05 15 16 00-0258	EA		7/8" Closed Spelter Sockets, Galvanized.....	143.02	17.21
05 15 16 00-0259	EA		1" Closed Spelter Sockets, Galvanized.....	217.86	26.68
05 15 16 00-0260	EA		1-1/8" Closed Spelter Sockets, Galvanized.....	303.95	36.15
05 15 16 00-0261	EA		1-1/4" Closed Spelter Sockets, Galvanized.....	367.76	48.20
05 15 16 00-0262	EA		1-3/8" Closed Spelter Sockets, Galvanized.....	387.32	48.20
05 15 16 00-0263	EA		1-1/2" Closed Spelter Sockets, Galvanized.....	625.13	61.97
05 15 16 00-0264	EA		1-5/8" Closed Spelter Sockets, Galvanized.....	741.81	78.33
05 15 16 00-0265	EA		1-3/4" Closed Spelter Sockets, Galvanized.....	984.67	120.50
05 15 16 00-0266	EA		1-7/8" Closed Spelter Sockets, Galvanized.....	1,039.69	120.50
05 15 16 00-0267	EA		2" Closed Spelter Sockets, Galvanized.....	1,296.61	172.14
05 15 16 00-0268	EA		2-1/8" Closed Spelter Sockets, Galvanized.....	1,363.61	172.14
05 15 16 00-0269	EA		2-1/2" Closed Spelter Sockets, Galvanized.....	1,680.73	232.39
05 15 16 00-0270	EA		2-3/8" Closed Spelter Sockets, Galvanized.....	2,027.96	232.39
05 15 16 00-0271			Jaw And Jaw, Forged Steel Turnbuckles <small>(05 15 16)</small>		
05 15 16 00-0272	EA		1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle.....	17.21	2.59
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-1.29	
05 15 16 00-0273	EA		5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle.....	18.74	2.59
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-1.52	
05 15 16 00-0274	EA		3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	24.60	2.59
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-2.40	
05 15 16 00-0275	EA		1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	33.64	3.44
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-2.88	
05 15 16 00-0276	EA		1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	38.38	4.31
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-3.07	
05 15 16 00-0277	EA		1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	50.72	5.16
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-4.50	
05 15 16 00-0278	EA		5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	59.14	6.88
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-4.90	
05 15 16 00-0279	EA		5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	72.56	6.88
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-6.58	
05 15 16 00-0280	EA		5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	69.67	7.75
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-5.84	
05 15 16 00-0281	EA		3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	76.46	9.47
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-5.97	
05 15 16 00-0282	EA		3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	90.49	11.19
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-6.78	
05 15 16 00-0283	EA		3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	97.78	12.05
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-7.29	
05 15 16 00-0284	EA		3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	122.44	14.63
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-9.46	
05 15 16 00-0285	EA		7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	185.45	20.65
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-15.52	
05 15 16 00-0286	EA		7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	217.74	24.10
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-18.32	
05 15 16 00-0287	EA		1" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	194.29	20.65
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct.....	-16.85	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0288 EA 1" x 12", Jaw And Jaw, Forged Steel Turnbuckle	223.14	26.68
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.33	
05 15 16 00-0289 EA 1" x 18", Jaw And Jaw, Forged Steel Turnbuckle	276.50	33.57
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.61	
05 15 16 00-0290 EA 1" x 24", Jaw And Jaw, Forged Steel Turnbuckle	439.56	39.60
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-42.46	
05 15 16 00-0291 EA 1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle	388.24	48.20
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.55	
05 15 16 00-0292 EA 1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle	456.43	54.22
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.19	
05 15 16 00-0293 EA 1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle	587.30	61.97
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-51.21	
05 15 16 00-0294 EA 1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	619.30	66.28
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-53.17	
05 15 16 00-0295 EA 1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle	720.54	86.08
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-56.44	
05 15 16 00-0296 EA 1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	967.22	111.89
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-80.53	
05 15 16 00-0297 EA 2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	1,960.62	215.18
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-164.99	

05 15 16 00-0298 Drop Forged Shoulder Eye Bolts (05 15 16)

05 15 16 00-0299 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	10.57	
05 15 16 00-0300 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	10.87	
05 15 16 00-0301 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	11.01	
05 15 16 00-0302 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	14.56	
05 15 16 00-0303 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	14.71	
05 15 16 00-0304 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	18.25	
05 15 16 00-0305 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	21.15	
05 15 16 00-0306 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	27.45	
05 15 16 00-0307 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	34.86	
05 15 16 00-0308 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	51.43	
05 15 16 00-0309 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	65.96	
05 15 16 00-0310 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	108.24	
05 15 16 00-0311 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	148.29	
05 15 16 00-0312 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt	198.66	

05 15 16 00-0313 Drop Forged Eye Bolts (05 15 16)

05 15 16 00-0314 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	15.25	
05 15 16 00-0315 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	16.69	
05 15 16 00-0316 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	14.14	
05 15 16 00-0317 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.29	
05 15 16 00-0318 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	15.51	
05 15 16 00-0319 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	15.75	
05 15 16 00-0320 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.02	
05 15 16 00-0321 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	17.94	
05 15 16 00-0322 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	18.56	
05 15 16 00-0323 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	19.14	
05 15 16 00-0324 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	14.77	
05 15 16 00-0325 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	18.33	
05 15 16 00-0326 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	18.76	
05 15 16 00-0327 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	19.92	
05 15 16 00-0328 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	20.41	
05 15 16 00-0329 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	20.77	
05 15 16 00-0330 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	21.33	
05 15 16 00-0331 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	21.94	
05 15 16 00-0332 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	22.73	
05 15 16 00-0333 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	23.17	
05 15 16 00-0334 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	27.52	
05 15 16 00-0335 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	28.06	
05 15 16 00-0336 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	28.96	
05 15 16 00-0337 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	32.93	
05 15 16 00-0338 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	36.74	
05 15 16 00-0339 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	27.60	
05 15 16 00-0340 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	28.15	
05 15 16 00-0341 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	30.84	
05 15 16 00-0342 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	33.05	
05 15 16 00-0343 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	38.03	
05 15 16 00-0344 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt	49.52	

05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)**05 15 19 00-0001 7x7 Class 304 Stainless Steel (05 15 19)**

05 15 19 00-0002 LF 3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope	0.33	0.06
For <100, Add	0.09	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.02	
For >2,000, Deduct	-0.03	
For 316 Stainless Steel, Add	0.07	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0003	LF			1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.38	0.06
				For <100, Add	0.11	
				For >500 To 1,000, Deduct	-0.02	
				For >1,000 To 2,000, Deduct	-0.03	
				For >2,000, Deduct	-0.04	
				For 316 Stainless Steel, Add	0.09	
05 15 19 00-0004	LF			5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.46	0.07
				For <100, Add	0.14	
				For >500 To 1,000, Deduct	-0.02	
				For >1,000 To 2,000, Deduct	-0.03	
				For >2,000, Deduct	-0.05	
				For 316 Stainless Steel, Add	0.11	
05 15 19 00-0005	LF			3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.55	0.07
				For <100, Add	0.16	
				For >500 To 1,000, Deduct	-0.03	
				For >1,000 To 2,000, Deduct	-0.04	
				For >2,000, Deduct	-0.06	
				For 316 Stainless Steel, Add	0.14	
05 15 19 00-0006	LF			1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.70	0.08
				For <100, Add	0.21	
				For >500 To 1,000, Deduct	-0.04	
				For >1,000 To 2,000, Deduct	-0.05	
				For >2,000, Deduct	-0.07	
				For 316 Stainless Steel, Add	0.18	
05 15 19 00-0007	LF			5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.11	0.09
				For <100, Add	0.35	
				For >500 To 1,000, Deduct	-0.06	
				For >1,000 To 2,000, Deduct	-0.08	
				For >2,000, Deduct	-0.11	
				For 316 Stainless Steel, Add	0.31	
05 15 19 00-0008	LF			3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.25	0.09
				For <100, Add	0.40	
				For >500 To 1,000, Deduct	-0.06	
				For >1,000 To 2,000, Deduct	-0.09	
				For >2,000, Deduct	-0.13	
				For 316 Stainless Steel, Add	0.35	
05 15 19 00-0009	LF			1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.71	0.09
				For <100, Add	0.56	
				For >500 To 1,000, Deduct	-0.09	
				For >1,000 To 2,000, Deduct	-0.13	
				For >2,000, Deduct	-0.17	
				For 316 Stainless Steel, Add	0.51	
05 15 19 00-0010	LF			5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.15	0.09
				For <100, Add	0.70	
				For >500 To 1,000, Deduct	-0.11	
				For >1,000 To 2,000, Deduct	-0.16	
				For >2,000, Deduct	-0.22	
				For 316 Stainless Steel, Add	0.64	
05 15 19 00-0011	LF			3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.70	0.09
				For <100, Add	0.87	
				For >500 To 1,000, Deduct	-0.14	
				For >1,000 To 2,000, Deduct	-0.20	
				For >2,000, Deduct	-0.27	
				For 316 Stainless Steel, Add	0.80	
05 15 19 00-0012	LF			7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.30	0.17
				For <100, Add	1.06	
				For >500 To 1,000, Deduct	-0.17	
				For >1,000 To 2,000, Deduct	-0.25	
				For >2,000, Deduct	-0.33	
				For 316 Stainless Steel, Add	0.95	
05 15 19 00-0013	LF			1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.84	0.17
				For <100, Add	1.21	
				For >500 To 1,000, Deduct	-0.19	
				For >1,000 To 2,000, Deduct	-0.29	
				For >2,000, Deduct	-0.38	
				For 316 Stainless Steel, Add	1.08	
05 15 19 00-0014	LF			9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.60	0.26
				For <100, Add	1.44	
				For >500 To 1,000, Deduct	-0.23	
				For >1,000 To 2,000, Deduct	-0.35	
				For >2,000, Deduct	-0.46	
				For 316 Stainless Steel, Add	1.28	
05 15 19 00-0015	LF			5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	5.25	0.34
				For <100, Add	1.63	
				For >500 To 1,000, Deduct	-0.26	
				For >1,000 To 2,000, Deduct	-0.39	
				For >2,000, Deduct	-0.53	
				For 316 Stainless Steel, Add	1.44	
05 15 19 00-0016	LF			3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	6.98	0.43
				For <100, Add	2.15	
				For >500 To 1,000, Deduct	-0.35	
				For >1,000 To 2,000, Deduct	-0.52	
				For >2,000, Deduct	-0.70	
				For 316 Stainless Steel, Add	1.88	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0017			7x19 Class 304 Stainless Steel <small>(05 15 19)</small>		
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope.....	2.80	0.09
			For <100, Add	0.94	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000, Deduct	-0.28	
			For 316 Stainless Steel, Add	0.88	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.24	0.09
			For <100, Add	1.07	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000 To 2,000, Deduct	-0.24	
			For >2,000, Deduct	-0.32	
			For 316 Stainless Steel, Add	1.00	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.82	0.17
			For <100, Add	1.25	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.38	
			For 316 Stainless Steel, Add	1.15	
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.44	0.17
			For <100, Add	1.43	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000 To 2,000, Deduct	-0.33	
			For >2,000, Deduct	-0.44	
			For 316 Stainless Steel, Add	1.31	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.09	0.26
			For <100, Add	1.62	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000, Deduct	-0.51	
			For 316 Stainless Steel, Add	1.46	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.97	0.34
			For <100, Add	1.89	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000 To 2,000, Deduct	-0.45	
			For >2,000, Deduct	-0.60	
			For 316 Stainless Steel, Add	1.68	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	6.78	0.34
			For <100, Add	2.12	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 2,000, Deduct	-0.51	
			For >2,000, Deduct	-0.68	
			For 316 Stainless Steel, Add	1.88	
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	9.55	0.60
			For <100, Add	2.98	
			For >500 To 1,000, Deduct	-0.48	
			For >1,000 To 2,000, Deduct	-0.72	
			For >2,000, Deduct	-0.96	
			For 316 Stainless Steel, Add	2.63	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.55	0.68
			For <100, Add	3.90	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000 To 2,000, Deduct	-0.94	
			For >2,000, Deduct	-1.26	
			For 316 Stainless Steel, Add	3.43	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.68	0.95
			For <100, Add	4.84	
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 2,000, Deduct	-1.18	
			For >2,000, Deduct	-1.57	
			For 316 Stainless Steel, Add	4.23	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.39	1.21
			For <100, Add	5.98	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000 To 2,000, Deduct	-1.45	
			For >2,000, Deduct	-1.94	
			For 316 Stainless Steel, Add	5.22	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	23.01	1.46
			For <100, Add	7.07	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000 To 2,000, Deduct	-1.73	
			For >2,000, Deduct	-2.30	
			For 316 Stainless Steel, Add	6.15	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	27.84	1.81
			For <100, Add	8.54	
			For >500 To 1,000, Deduct	-1.39	
			For >1,000 To 2,000, Deduct	-2.09	
			For >2,000, Deduct	-2.78	
			For 316 Stainless Steel, Add	7.41	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	33.01	2.15
			For <100, Add	10.12	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000 To 2,000, Deduct	-2.48	
			For >2,000, Deduct	-3.30	
			For 316 Stainless Steel, Add	8.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0032 LF 1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	39.42	2.50
For <100, Add	12.12	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,000, Deduct	-2.96	
For >2,000, Deduct	-3.94	
For 316 Stainless Steel, Add	10.55	
05 15 19 00-0033 LF 1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	50.19	4.18
For <100, Add	14.81	
For >500 To 1,000, Deduct	-2.51	
For >1,000 To 2,000, Deduct	-3.76	
For >2,000, Deduct	-5.02	
For 316 Stainless Steel, Add	12.39	
05 15 19 00-0034 LF 1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	57.69	4.72
For <100, Add	17.03	
For >500 To 1,000, Deduct	-2.88	
For >1,000 To 2,000, Deduct	-4.33	
For >2,000, Deduct	-5.77	
For 316 Stainless Steel, Add	14.25	
05 15 19 00-0035 LF 2" Diameter 7x19 Class Stainless Steel Wire Rope.....	66.24	5.44
For <100, Add	19.55	
For >500 To 1,000, Deduct	-3.31	
For >1,000 To 2,000, Deduct	-4.97	
For >2,000, Deduct	-6.62	
For 316 Stainless Steel, Add	16.35	
05 15 19 00-0036 LF 2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	74.89	6.09
For <100, Add	22.18	
For >500 To 1,000, Deduct	-3.74	
For >1,000 To 2,000, Deduct	-5.62	
For >2,000, Deduct	-7.49	
For 316 Stainless Steel, Add	18.60	
05 15 19 00-0037 LF 2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	85.09	6.81
For <100, Add	25.24	
For >500 To 1,000, Deduct	-4.25	
For >1,000 To 2,000, Deduct	-6.38	
For >2,000, Deduct	-8.51	
For 316 Stainless Steel, Add	21.21	

05 20 Metal Joists ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing ^(05 20)

05 21 19 Open Web Steel Joist Framing ^(05 21)

05 21 19 00-0001 TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,146.63	141.80
For Welded Cross Bridging, Add	177.26	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	186.69	
05 21 19 00-0002 TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	1,969.85	132.95
For Welded Cross Bridging, Add	157.56	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	173.36	
05 21 19 00-0003 TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,376.28	132.95
For Welded Cross Bridging, Add	163.62	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	219.70	
05 21 19 00-0004 TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	2,701.77	132.95
For Welded Cross Bridging, Add	163.62	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	258.76	
05 21 19 00-0005 TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,381.04	132.95
For Welded Cross Bridging, Add	177.26	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	214.82	
05 21 19 00-0006 TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	2,986.57	132.95
For Welded Cross Bridging, Add	163.62	
For Shop Prime Paint Other Than Manufacturer's Standard, Add	292.94	

05 30 Metal Decking ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 31 Steel Decking ^(05 30)

See CSI section 07 22 16 00-0001 for roof insulation.

05 31 00 00-0001 Open Ribbed Galvanized Steel Form Deck ^(05 31)

05 31 00 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.70	
For Painted, Deduct	-0.05	
For Perforated Or Slotted, Add	0.05	
For Up To 100, Add	0.83	
For >100 To 500, Add	0.39	
For >500 To 1,500, Add	0.18	
05 31 00 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.81	
For Painted, Deduct	-0.05	
For Perforated Or Slotted, Add	0.05	
For Up To 100, Add	0.87	
For >100 To 500, Add	0.41	
For >500 To 1,500, Add	0.19	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0004	SF		9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.01	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 00 00-0005	SF		9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.19	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.13	
			<i>For >100 To 500, Add</i>	0.52	
			<i>For >500 To 1,500, Add</i>	0.25	
05 31 00 00-0006	SF		15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.01	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.43	
			<i>For >500 To 1,500, Add</i>	0.19	
05 31 00 00-0007	SF		15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.11	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 500, Add</i>	0.45	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0008	SF		15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.24	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.03	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 00 00-0009	SF		15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.41	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 500, Add</i>	0.54	
			<i>For >500 To 1,500, Add</i>	0.25	
05 31 00 00-0010	SF		1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.53	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Up To 100, Add</i>	1.20	
			<i>For >100 To 500, Add</i>	0.57	
			<i>For >500 To 1,500, Add</i>	0.26	
05 31 00 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.74	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.26	
			<i>For >100 To 500, Add</i>	0.60	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 00 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.13	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.30	
05 31 00 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.48	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.55	
			<i>For >100 To 500, Add</i>	0.75	
			<i>For >500 To 1,500, Add</i>	0.34	
05 31 00 00-0014			Open Ribbed Galvanized Steel Deck <small>(05 31)</small>		
05 31 00 00-0015	SF		1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.25	
			<i>For Painted, Deduct</i>	-0.06	
			<i>For Perforated Or Slotted, Add</i>	0.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.64	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 500, Add</i>	0.52	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31 00 00-0016	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.60	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.73	
			<i>For Up To 100, Add</i>	1.29	
			<i>For >100 To 500, Add</i>	0.60	
			<i>For >500 To 1,500, Add</i>	0.29	
05 31 00 00-0017	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.22	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.91	
			<i>For Up To 100, Add</i>	1.56	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >500 To 1,500, Add</i>	0.35	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0018 SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.49	
For Painted, Deduct	-0.07	
For Perforated Or Slotted, Add	0.07	
For Site Installed Insulation Between Ribs, Add	0.71	
For Up To 100, Add	1.23	
For >100 To 500, Add	0.58	
For >500 To 1,500, Add	0.27	
05 31 00 00-0019 SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.88	
For Painted, Deduct	-0.08	
For Perforated Or Slotted, Add	0.08	
For Site Installed Insulation Between Ribs, Add	0.81	
For Up To 100, Add	1.42	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.32	
05 31 00 00-0020 SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.58	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Site Installed Insulation Between Ribs, Add	1.01	
For Up To 100, Add	1.74	
For >100 To 500, Add	0.82	
For >500 To 1,500, Add	0.39	
05 31 00 00-0021 SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.05	
For Painted, Deduct	-0.09	
For Perforated Or Slotted, Add	0.09	
For Site Installed Insulation Between Ribs, Add	0.85	
For Up To 100, Add	1.40	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.31	
05 31 00 00-0022 SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.53	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Site Installed Insulation Between Ribs, Add	0.99	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.77	
For >500 To 1,500, Add	0.35	
05 31 00 00-0023 SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.38	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Site Installed Insulation Between Ribs, Add	1.22	
For Up To 100, Add	1.97	
For >100 To 500, Add	0.95	
For >500 To 1,500, Add	0.43	
05 31 00 00-0024 SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	5.46	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Site Installed Insulation Between Ribs, Add	1.52	
For Up To 100, Add	2.40	
For >100 To 500, Add	1.16	
For >500 To 1,500, Add	0.52	
05 31 00 00-0025 SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	7.26	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Site Installed Insulation Between Ribs, Add	1.95	
For Up To 100, Add	2.40	
For >100 To 500, Add	1.28	
For >500 To 1,500, Add	0.47	
05 31 00 00-0026 SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	9.13	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Site Installed Insulation Between Ribs, Add	2.45	
For Up To 100, Add	2.95	
For >100 To 500, Add	1.59	
For >500 To 1,500, Add	0.57	
05 31 00 00-0027 SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	8.00	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Site Installed Insulation Between Ribs, Add	2.13	
For Up To 100, Add	2.29	
For >100 To 500, Add	1.30	
For >500 To 1,500, Add	0.42	
05 31 00 00-0028 SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	8.61	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Site Installed Insulation Between Ribs, Add	2.31	
For Up To 100, Add	2.72	
For >100 To 500, Add	1.48	
For >500 To 1,500, Add	0.52	
05 31 00 00-0029 SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	10.70	
For Painted, Deduct	-0.41	
For Perforated Or Slotted, Add	0.41	
For Site Installed Insulation Between Ribs, Add	2.87	
For Up To 100, Add	3.32	
For >100 To 500, Add	1.82	
For >500 To 1,500, Add	0.63	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0030	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	9.51	
			<i>For Painted, Deduct</i>	-0.36	
			<i>For Perforated Or Slotted, Add</i>	0.36	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.55	
			<i>For Up To 100, Add</i>	2.99	
			<i>For >100 To 500, Add</i>	1.63	
			<i>For >500 To 1,500, Add</i>	0.57	
05 31 00 00-0031	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	11.80	
			<i>For Painted, Deduct</i>	-0.45	
			<i>For Perforated Or Slotted, Add</i>	0.45	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.16	
			<i>For Up To 100, Add</i>	3.66	
			<i>For >100 To 500, Add</i>	2.01	
			<i>For >500 To 1,500, Add</i>	0.69	
05 31 00 00-0032			Cellular Galvanized Steel Deck <small>(05 31)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal calls within the panels.		
05 31 00 00-0033	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	6.45	
			<i>For Painted, Deduct</i>	-0.24	
			<i>For Perforated Or Slotted, Add</i>	0.24	
			<i>For Insulated Cells, Add</i>	1.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.75	
			<i>For Up To 100, Add</i>	2.21	
			<i>For >100 To 500, Add</i>	1.17	
			<i>For >500 To 1,500, Add</i>	0.44	
05 31 00 00-0034	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	7.29	
			<i>For Painted, Deduct</i>	-0.25	
			<i>For Perforated Or Slotted, Add</i>	0.25	
			<i>For Insulated Cells, Add</i>	1.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.00	
			<i>For Up To 100, Add</i>	2.80	
			<i>For >100 To 500, Add</i>	1.42	
			<i>For >500 To 1,500, Add</i>	0.58	
05 31 00 00-0035	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	7.70	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.32	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.06	
			<i>For Up To 100, Add</i>	2.41	
			<i>For >100 To 500, Add</i>	1.32	
			<i>For >500 To 1,500, Add</i>	0.46	
05 31 00 00-0036	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	8.64	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.40	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.34	
			<i>For Up To 100, Add</i>	3.04	
			<i>For >100 To 500, Add</i>	1.59	
			<i>For >500 To 1,500, Add</i>	0.61	
05 31 00 00-0037	SF		3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	8.93	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.51	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.40	
			<i>For Up To 100, Add</i>	2.89	
			<i>For >100 To 500, Add</i>	1.56	
			<i>For >500 To 1,500, Add</i>	0.56	
05 31 00 00-0038	SF		3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.58	
			<i>For Painted, Deduct</i>	-0.40	
			<i>For Perforated Or Slotted, Add</i>	0.40	
			<i>For Insulated Cells, Add</i>	1.81	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.84	
			<i>For Up To 100, Add</i>	3.34	
			<i>For >100 To 500, Add</i>	1.82	
			<i>For >500 To 1,500, Add</i>	0.64	
05 31 00 00-0039	SF		3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	11.80	
			<i>For Painted, Deduct</i>	-0.45	
			<i>For Perforated Or Slotted, Add</i>	0.45	
			<i>For Insulated Cells, Add</i>	2.04	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.16	
			<i>For Up To 100, Add</i>	3.66	
			<i>For >100 To 500, Add</i>	2.01	
			<i>For >500 To 1,500, Add</i>	0.69	
05 31 00 00-0040	SF		3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	12.90	
			<i>For Painted, Deduct</i>	-0.49	
			<i>For Perforated Or Slotted, Add</i>	0.49	
			<i>For Insulated Cells, Add</i>	2.20	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.46	
			<i>For Up To 100, Add</i>	4.09	
			<i>For >100 To 500, Add</i>	2.22	
			<i>For >500 To 1,500, Add</i>	0.78	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0041	SF		4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	12.96	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Insulated Cells, Add</i>	2.43	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.40	
			<i>For Up To 100, Add</i>	3.26	
			<i>For >100 To 500, Add</i>	1.95	
			<i>For >500 To 1,500, Add</i>	0.55	
05 31 00 00-0042	SF		4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.97	
			<i>For Painted, Deduct</i>	-0.57	
			<i>For Perforated Or Slotted, Add</i>	0.57	
			<i>For Insulated Cells, Add</i>	2.56	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.69	
			<i>For Up To 100, Add</i>	3.72	
			<i>For >100 To 500, Add</i>	2.17	
			<i>For >500 To 1,500, Add</i>	0.65	
05 31 00 00-0043	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	14.81	
			<i>For Painted, Deduct</i>	-0.60	
			<i>For Perforated Or Slotted, Add</i>	0.60	
			<i>For Insulated Cells, Add</i>	2.70	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.91	
			<i>For Up To 100, Add</i>	3.99	
			<i>For >100 To 500, Add</i>	2.32	
			<i>For >500 To 1,500, Add</i>	0.70	
05 31 00 00-0044	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	15.81	
			<i>For Painted, Deduct</i>	-0.64	
			<i>For Perforated Or Slotted, Add</i>	0.64	
			<i>For Insulated Cells, Add</i>	2.88	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.18	
			<i>For Up To 100, Add</i>	4.27	
			<i>For >100 To 500, Add</i>	2.48	
			<i>For >500 To 1,500, Add</i>	0.75	

05 36 Composite Metal Decking (05 30)

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF		1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.55	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.20	
			<i>For >100 To 500, Add</i>	0.57	
			<i>For >500 To 1,500, Add</i>	0.26	
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.76	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 500, Add</i>	0.63	
			<i>For >500 To 1,500, Add</i>	0.30	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.13	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.63	
			<i>For >100 To 500, Add</i>	0.75	
			<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.46	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.91	
			<i>For >100 To 500, Add</i>	0.87	
			<i>For >500 To 1,500, Add</i>	0.44	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.76	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 500, Add</i>	0.63	
			<i>For >500 To 1,500, Add</i>	0.30	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.98	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.69	
			<i>For >500 To 1,500, Add</i>	0.33	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.36	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.76	
			<i>For >100 To 500, Add</i>	0.81	
			<i>For >500 To 1,500, Add</i>	0.40	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.71	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	2.05	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >500 To 1,500, Add</i>	0.47	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.89	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 500, Add</i>	0.66	
			<i>For >500 To 1,500, Add</i>	0.31	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.12	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.55	
			<i>For >100 To 500, Add</i>	0.73	
			<i>For >500 To 1,500, Add</i>	0.35	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.55	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.89	
			<i>For >100 To 500, Add</i>	0.87	
			<i>For >500 To 1,500, Add</i>	0.43	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.00	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	2.22	
			<i>For >100 To 500, Add</i>	1.01	
			<i>For >500 To 1,500, Add</i>	0.51	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.		
			Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.67	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Insulated Cells, Add</i>	0.62	
			<i>For Up To 100, Add</i>	2.18	
			<i>For >100 To 500, Add</i>	1.04	
			<i>For >500 To 1,500, Add</i>	0.48	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.02	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.66	
			<i>For Up To 100, Add</i>	2.39	
			<i>For >100 To 500, Add</i>	1.13	
			<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.10	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.66	
			<i>For Up To 100, Add</i>	2.47	
			<i>For >100 To 500, Add</i>	1.16	
			<i>For >500 To 1,500, Add</i>	0.55	
05 36 00 00-0018	SF		1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.45	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.68	
			<i>For Up To 100, Add</i>	2.72	
			<i>For >100 To 500, Add</i>	1.27	
			<i>For >500 To 1,500, Add</i>	0.61	
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.86	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.73	
			<i>For Up To 100, Add</i>	2.95	
			<i>For >100 To 500, Add</i>	1.38	
			<i>For >500 To 1,500, Add</i>	0.66	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.94	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.73	
			<i>For Up To 100, Add</i>	3.03	
			<i>For >100 To 500, Add</i>	1.41	
			<i>For >500 To 1,500, Add</i>	0.68	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.28	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.75	
			<i>For Up To 100, Add</i>	3.28	
			<i>For >100 To 500, Add</i>	1.51	
			<i>For >500 To 1,500, Add</i>	0.74	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.85	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Insulated Cells, Add</i>	0.64	
			<i>For Up To 100, Add</i>	2.30	
			<i>For >100 To 500, Add</i>	1.09	
			<i>For >500 To 1,500, Add</i>	0.51	



Metals	05	05
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0023 SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.13	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.48	
For >100 To 500, Add	1.17	
For >500 To 1,500, Add	0.55	
05 36 00 00-0024 SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.21	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.56	
For >100 To 500, Add	1.20	
For >500 To 1,500, Add	0.57	
05 36 00 00-0025 SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.62	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.81	
For >100 To 500, Add	1.31	
For >500 To 1,500, Add	0.63	
05 36 00 00-0026 SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.97	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.04	
For >100 To 500, Add	1.41	
For >500 To 1,500, Add	0.68	
05 36 00 00-0027 SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.09	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.16	
For >100 To 500, Add	1.46	
For >500 To 1,500, Add	0.71	
05 36 00 00-0028 SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.44	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	3.37	
For >100 To 500, Add	1.55	
For >500 To 1,500, Add	0.76	
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.86	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Insulated Cells, Add	0.64	
For Up To 100, Add	2.30	
For >100 To 500, Add	1.09	
For >500 To 1,500, Add	0.51	
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.17	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.52	
For >100 To 500, Add	1.18	
For >500 To 1,500, Add	0.56	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.29	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.64	
For >100 To 500, Add	1.23	
For >500 To 1,500, Add	0.59	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.67	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.85	
For >100 To 500, Add	1.33	
For >500 To 1,500, Add	0.64	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.07	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	3.08	
For >100 To 500, Add	1.43	
For >500 To 1,500, Add	0.69	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.23	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	3.24	
For >100 To 500, Add	1.50	
For >500 To 1,500, Add	0.73	

05	05 Metals
	05 30 Metal Decking
	05 36 Composite Metal Decking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.52	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	3.45	
For >100 To 500, Add	1.59	
For >500 To 1,500, Add	0.78	
05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)		
05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.36	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.80	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.36	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.06	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.68	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.04	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.56	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.24	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.28	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.47	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.96	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.68	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.88	0.76
For Walls >10' High, Add	0.58	
For Curved Wall, Add	0.53	
For Up To 200, Add	0.93	
For >200 To 500, Add	0.47	
For 12" On Center, Add	0.49	
For 24" On Center, Deduct	-0.49	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.63	0.76
For Walls >10' High, Add	0.73	
For Curved Wall, Add	0.56	
For Up To 200, Add	1.10	
For >200 To 500, Add	0.55	
For 12" On Center, Add	0.63	
For 24" On Center, Deduct	-0.63	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.79	0.76
For Walls >10' High, Add	0.76	
For Curved Wall, Add	0.59	
For Up To 200, Add	1.15	
For >200 To 500, Add	0.57	
For 12" On Center, Add	0.66	
For 24" On Center, Deduct	-0.66	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.69	0.84
For Walls >10' High, Add	0.94	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.34	
For >200 To 500, Add	0.67	
For 12" On Center, Add	0.84	
For 24" On Center, Deduct	-0.84	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.20	0.93
For Walls >10' High, Add	1.04	
For Curved Wall, Add	0.64	
For Up To 200, Add	1.46	
For >200 To 500, Add	0.73	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.52	0.76
For Walls >10' High, Add	0.70	
For Curved Wall, Add	0.56	
For Up To 200, Add	1.08	
For >200 To 500, Add	0.54	
For 12" On Center, Add	0.61	
For 24" On Center, Deduct	-0.61	



Metals	05	05
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 4.01		0.77
For Walls >10' High, Add	0.80	
For Curved Wall, Add	0.59	
For Up To 200, Add	1.19	
For >200 To 500, Add	0.60	
For 12" On Center, Add	0.70	
For 24" On Center, Deduct	-0.70	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 4.22		0.77
For Walls >10' High, Add	0.84	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.25	
For >200 To 500, Add	0.63	
For 12" On Center, Add	0.74	
For 24" On Center, Deduct	-0.74	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 5.21		0.93
For Walls >10' High, Add	1.04	
For Curved Wall, Add	0.64	
For Up To 200, Add	1.47	
For >200 To 500, Add	0.74	
For 12" On Center, Add	0.94	
For 24" On Center, Deduct	-0.94	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 5.70		1.01
For Walls >10' High, Add	1.14	
For Curved Wall, Add	0.67	
For Up To 200, Add	1.59	
For >200 To 500, Add	0.79	
For 12" On Center, Add	1.03	
For 24" On Center, Deduct	-1.03	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 4.77		1.05
For Walls >10' High, Add	0.95	
For Curved Wall, Add	0.71	
For Up To 200, Add	1.42	
For >200 To 500, Add	0.71	
For 12" On Center, Add	0.84	
For 24" On Center, Deduct	-0.84	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 4.89		1.08
For Walls >10' High, Add	0.98	
For Curved Wall, Add	0.72	
For Up To 200, Add	1.46	
For >200 To 500, Add	0.73	
For 12" On Center, Add	0.86	
For 24" On Center, Deduct	-0.86	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 5.99		1.14
For Walls >10' High, Add	1.20	
For Curved Wall, Add	0.75	
For Up To 200, Add	1.70	
For >200 To 500, Add	0.85	
For 12" On Center, Add	1.07	
For 24" On Center, Deduct	-1.07	
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... 6.55		1.19
For Walls >10' High, Add	1.31	
For Curved Wall, Add	0.79	
For Up To 200, Add	1.84	
For >200 To 500, Add	0.92	
For 12" On Center, Add	1.18	
For 24" On Center, Deduct	-1.18	
05 42 Cold-Formed Metal Joist Framing (05 40)		
05 42 33 Cold-Formed Metal Joist Framing (05 42)		
05 42 33 00-0001 Steel Joists, 20 Gauge (05 42 33)		
05 42 33 00-0002 LF 5-1/2" - 20 Gauge Steel Joists 6.60		1.82
05 42 33 00-0003 LF 6" - 20 Gauge Steel Joists 7.32		2.28
05 42 33 00-0004 LF 7-1/4" - 20 Gauge Steel Joists 7.92		2.50
05 42 33 00-0005 LF 8" - 20 Gauge Steel Joists 8.83		2.66
05 42 33 00-0006 Steel Joists, 18 Gauge (05 42 33)		
05 42 33 00-0007 LF 5-1/2" - 18 Gauge Steel Joists 7.34		2.02
05 42 33 00-0008 LF 6" - 18 Gauge Steel Joists 8.16		2.54
05 42 33 00-0009 LF 7-1/4" - 18 Gauge Steel Joists 8.86		2.78
05 42 33 00-0010 LF 8" - 18 Gauge Steel Joists 10.01		2.96
05 42 33 00-0011 Steel Joists, 16 Gauge (05 42 33)		
05 42 33 00-0012 LF 7-1/4" - 16 Gauge Steel Joists 9.50		2.81
05 42 33 00-0013 LF 8" - 16 Gauge Steel Joists 10.03		2.96

05 Metals**05 40 Cold-Formed Metal Framing****05 42 Cold-Formed Metal Joist Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 33 00-0014			Steel Joists, 14 Gauge (05 42 33)		
05 42 33 00-0015	LF		9-1/4" - 14 Gauge Steel Joists	11.17	2.96
05 42 33 00-0016	LF		11-1/2" - 14 Gauge Steel Joists	12.10	3.12
05 42 33 00-0017			Steel Joists, 12 Gauge (05 42 33)		
05 42 33 00-0018	LF		9-1/4" - 12 Gauge Steel Joists	13.19	3.26
05 42 33 00-0019	LF		11-1/2" - 12 Gauge Steel Joists	14.37	3.44
05 42 33 00-0020			Steel Joists, 10 Gauge (05 42 33)		
05 42 33 00-0021	LF		9-1/4" - 10 Gauge Steel Joists	15.24	3.59
05 42 33 00-0022	LF		11-1/2" - 10 Gauge Steel Joists	16.70	3.78
05 42 33 00-0023			Steel Joists, 8 Gauge (05 42 33)		
05 42 33 00-0024	LF		9-1/4" - 8 Gauge Steel Joists	17.37	3.94
05 42 33 00-0025	LF		11-1/2" - 8 Gauge Steel Joists	19.05	4.15
05 43			Slotted Channel Framing (05 40)		
05 43 00 00-0001			Unistrut Channel (05 43)		
05 43 00 00-0002			Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.39	1.94
			<i>For Galvanizing, Add</i>	0.77	
			<i>For Powder Coating, Add</i>	0.68	
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.61	1.94
			<i>For Galvanizing, Add</i>	0.80	
			<i>For Powder Coating, Add</i>	0.71	
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.95	1.94
			<i>For Galvanizing, Add</i>	0.86	
			<i>For Powder Coating, Add</i>	0.76	
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.96	1.94
			<i>For Galvanizing, Add</i>	0.69	
			<i>For Powder Coating, Add</i>	0.61	
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	7.00	1.94
			<i>For Galvanizing, Add</i>	0.53	
			<i>For Powder Coating, Add</i>	0.47	
05 43 00 00-0008			Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel	21.23	1.94
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Stainless Steel Unistrut Channel	15.00	1.94
05 43 00 00-0011			Unistrut Closure Strips (05 43)		
05 43 00 00-0012	LF		Raceway Closure Strip For Unistrut Channel	4.25	0.43
05 43 00 00-0013			Lock Nuts With Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0014	EA		1/4-20 Steel Lock Nut With Spring For Unistrut Channel	5.62	
05 43 00 00-0015	EA		3/8-16 Steel Lock Nut With Spring For Unistrut Channel	6.08	
05 43 00 00-0016	EA		1/2-13 Steel Lock Nut With Spring For Unistrut Channel	6.43	
05 43 00 00-0017	EA		5/8-11 Steel Lock Nut With Spring For Unistrut Channel	8.31	
05 43 00 00-0018			Lock Nuts Without Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0019	EA		1/4-20 Steel Lock Nut Without Spring For Unistrut Channel	5.63	
05 43 00 00-0020	EA		3/8-16 Steel Lock Nut Without Spring For Unistrut Channel	6.15	
05 43 00 00-0021	EA		1/2-13 Steel Lock Nut Without Spring For Unistrut Channel	6.46	
05 43 00 00-0022	EA		5/8-11 Steel Lock Nut Without Spring For Unistrut Channel	8.86	
05 43 00 00-0023			Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0024	EA		Unistrut Beam Clamp, 1-5/8" Channel P2675	16.42	6.45
05 43 00 00-0025	EA		Unistrut Beam Clamp, 1-5/8" Channel P2676	19.69	6.45
05 43 00 00-0026	EA		Add For Unistrut Swivel Nut, P2676	1.78	
05 43 00 00-0027			Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0028	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.55	6.45
05 43 00 00-0029	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.16	6.45
05 43 00 00-0030	EA		Add For Unistrut Swivel Nut	1.78	
05 43 00 00-0031	EA		Unistrut Bracket For Shelves	95.87	8.61



Metals	05	05
Cold-Formed Metal Framing	05 40	
Slotted Channel Framing	05 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 43 00 00-0032 Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0033 Pipe And Rigid Conduit Clamps (05 43 00 00-0032)		
Note: Includes stainless steel (316) hardware.		
05 43 00 00-0034 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.65	1.90
05 43 00 00-0035 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.83	1.90
05 43 00 00-0036 PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.77	2.30
05 43 00 00-0037 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.21	2.50
05 43 00 00-0038 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.62	2.81
05 43 00 00-0039 PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.62	2.81
05 43 00 00-0040 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.11	4.71
05 43 00 00-0041 PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.46	4.71
05 43 00 00-0042 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.52	5.21
05 43 00 00-0043 PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	19.44	5.62

05 43 00 00-0044 Pipe And Rigid Conduit Clamps (05 43 00 00-0032)		
Note: Includes nylon hardware.		
05 43 00 00-0045 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	6.81	1.90
05 43 00 00-0046 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	6.99	1.90
05 43 00 00-0047 PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.93	2.30
05 43 00 00-0048 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.39	2.50
05 43 00 00-0049 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.89	2.81
05 43 00 00-0050 PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	10.89	2.81
05 43 00 00-0051 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	16.48	4.71
05 43 00 00-0052 PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	16.85	4.71
05 43 00 00-0053 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	17.91	5.21
05 43 00 00-0054 PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	19.89	5.62

05 45 Metal Support Assemblies (05 40)

- 05 45 13 Mechanical Metal Supports (05 45)**
See CSI section 23 05 29 00-0000 for metal supports.
- 05 45 16 Electrical Metal Supports (05 45)**
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)

- 05 51 13 Metal Pan Stairs (05 51)**
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	539.86	24.98
<i>For Closed Riser, Add</i>		
	61.36	
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	614.23	29.15
<i>For Closed Riser, Add</i>		
	69.71	
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	685.84	34.15
<i>For Closed Riser, Add</i>		
	77.62	
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing.....	72.62	4.16
Note: Conventional shape.		

- 05 51 19 Metal Grating Stairs (05 51)**
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)		
Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	271.75	33.32
<i>For Closed Riser, Add</i>		
	31.66	
<i>For Galvanized Steel, Add</i>		
	51.28	
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	291.51	38.31
<i>For Closed Riser, Add</i>		
	33.68	
<i>For Galvanized Steel, Add</i>		
	53.72	
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	324.38	44.98
<i>For Closed Riser, Add</i>		
	37.22	
<i>For Galvanized Steel, Add</i>		
	58.61	
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	51.81	4.16
Note: Conventional shape.		
<i>For Galvanized Steel, Add</i>		
	8.79	

- 05 51 33 Metal Ladders (05 51)**
Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)		
Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	76.32 11.24 22.48	9.99
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	87.71 14.09 28.18	9.99
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	183.69 32.65 65.30	16.65
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	206.47 38.35 76.70	16.65
05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	205.49 35.76 71.52	31.24
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	224.39 39.44 78.88	33.32
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp.....	283.74	10.41
05 51 33 13-0010 EA 6' Security Ladder Guard.....	632.89	62.46
05 51 33 13-0011 EA 8' Security Ladder Guard.....	755.74	72.87
05 51 33 13-0012 EA Safety Chain Attachment.....	113.41	
05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13) Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,174.66	124.92
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,271.74	129.09
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,349.52	133.25
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,432.45	137.42
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,481.94	141.59
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,561.00	145.75
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,631.07	149.92
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,721.73	154.08
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,809.80	158.24
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,882.43	162.41
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,970.51	166.57
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,056.01	170.73
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,140.22	174.90
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,291.32	179.06
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,338.25	183.22
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,417.31	187.39
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,489.95	191.55
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,557.45	195.72
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,704.69	199.89
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,785.04	204.05
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,860.27	208.21
05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,695.57	124.92
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,877.01	129.09
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,177.54	133.25
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,327.06	137.42
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,453.26	141.59
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,619.96	145.75
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,918.04	149.92
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,070.03	154.08
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,226.92	158.24
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,398.53	162.41
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,702.76	166.57
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,855.96	170.73
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,001.79	174.90
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,242.17	179.06
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,512.02	183.22
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,662.76	187.39
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,817.20	191.55
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,961.81	195.72
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,329.87	199.89
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,474.48	204.05
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,622.78	208.21

05 51 33 16 Inclined Metal Ladders (05 51 33)



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16) Note: Includes factory prime.		
05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	206.06 61.39	41.65
05 51 33 23 Alternating Tread Ladders (05 51 33)		
05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,331.87 196.80 -191.42	124.92
05 51 33 23-0003 EA 5' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,515.02 240.90 -223.30	132.42
05 51 33 23-0004 EA 6' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,666.56 288.67 -241.55	132.42
05 51 33 23-0005 EA 7' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	1,917.76 347.24 -256.61	166.41
05 51 33 23-0006 EA 8' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,094.79 388.99 -298.53	172.30
05 51 33 23-0007 EA 9' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,228.69 453.51 -293.53	172.30
05 51 33 23-0008 EA 10' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,450.57 497.40 -327.55	192.20
05 51 33 23-0009 EA 11' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,600.59 546.61 -347.07	192.20
05 51 33 23-0010 EA 12' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,717.32 623.99 -346.65	192.20
05 52 Metal Railings (05 50)		
05 52 13 Pipe And Tube Railings (05 52) Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001) Note: Includes factory primed posts and one rail.		
05 52 13 00-0003 LF 1" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing <i>For Schedule 80 Handrail, Add</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	34.32 2.62 11.82 7.42 11.49 13.25 7.07 3.43 6.86 56.54 63.61 1.68 2.21 3.53 15.60 11.20 4.26 1.67 19.17 29.00 13.00 2.65	8.33

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF		1-1/4" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing	37.37	8.33
			<i>For Schedule 80 Handrail, Add</i>	3.71	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	8.70	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.47	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	15.54	
			<i>For Galvanizing, Add</i>	8.29	
			<i>For Wrought Iron, Add</i>	3.74	
			<i>For Solid Steel Rails, Add</i>	7.47	
			<i>For 304 Stainless Steel, Add</i>	66.30	
			<i>For 316 Stainless Steel, Add</i>	74.59	
			<i>For 2" Wheel Guard, Add</i>	1.97	
			<i>For 4" High Kick Plate, Add</i>	2.59	
			<i>For 6" High Kick Plate, Add</i>	4.14	
			<i>For Curved Rail, Add</i>	17.43	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	4.57	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	14.52	
			<i>For Nylon Coating, Add</i>	3.11	
05 52 13 00-0005	LF		1-1/2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.41	8.33
			<i>For Schedule 80 Handrail, Add</i>	3.71	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	9.98	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.82	
			<i>For Galvanizing, Add</i>	9.50	
			<i>For Wrought Iron, Add</i>	4.04	
			<i>For Solid Steel Rails, Add</i>	8.08	
			<i>For 304 Stainless Steel, Add</i>	76.03	
			<i>For 316 Stainless Steel, Add</i>	85.54	
			<i>For 2" Wheel Guard, Add</i>	2.26	
			<i>For 4" High Kick Plate, Add</i>	2.97	
			<i>For 6" High Kick Plate, Add</i>	4.75	
			<i>For Curved Rail, Add</i>	19.25	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	4.87	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.04	
			<i>For Nylon Coating, Add</i>	3.56	
05 52 13 00-0006	LF		2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.69	8.33
			<i>For Schedule 80 Handrail, Add</i>	4.16	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	12.20	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.88	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.78	
			<i>For Galvanizing, Add</i>	11.62	
			<i>For Wrought Iron, Add</i>	4.57	
			<i>For Solid Steel Rails, Add</i>	9.14	
			<i>For 304 Stainless Steel, Add</i>	92.93	
			<i>For 316 Stainless Steel, Add</i>	104.54	
			<i>For 2" Wheel Guard, Add</i>	2.76	
			<i>For 4" High Kick Plate, Add</i>	3.63	
			<i>For 6" High Kick Plate, Add</i>	5.81	
			<i>For Curved Rail, Add</i>	22.42	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	5.40	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.68	
			<i>For Nylon Coating, Add</i>	4.36	
05 52 13 00-0007	LF		2-1/2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing	52.02	8.33
			<i>For Schedule 80 Handrail, Add</i>	4.61	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.86	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	22.99	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	26.53	
			<i>For Galvanizing, Add</i>	14.15	
			<i>For Wrought Iron, Add</i>	5.20	
			<i>For Solid Steel Rails, Add</i>	10.40	
			<i>For 304 Stainless Steel, Add</i>	113.18	
			<i>For 316 Stainless Steel, Add</i>	127.33	
			<i>For 2" Wheel Guard, Add</i>	3.36	
			<i>For 4" High Kick Plate, Add</i>	4.42	
			<i>For 6" High Kick Plate, Add</i>	7.07	
			<i>For Curved Rail, Add</i>	26.22	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.03	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	21.85	
			<i>For Nylon Coating, Add</i>	5.31	



	Metals	05
	Metal Fabrications	05 50
	Metal Railings	05 52

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
<i>Note: Includes factory primed posts and two rails.</i>		
05 52 13 00-0009 LF 1" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing	38.74	8.33
<i>For Schedule 80 Handrail, Add</i>	2.62	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
<i>For Aluminum, Satin Finish, Add</i>	9.28	
<i>For Aluminum, Clear Anodized Finish, Add</i>	14.36	
<i>For Aluminum, Dark Anodized Finish, Add</i>	16.57	
<i>For Galvanizing, Add</i>	8.84	
<i>For Wrought Iron, Add</i>	3.87	
<i>For Solid Steel Rails, Add</i>	7.75	
<i>For 304 Stainless Steel, Add</i>	70.69	
<i>For 316 Stainless Steel, Add</i>	79.52	
<i>For 2" Wheel Guard, Add</i>	2.10	
<i>For 4" High Kick Plate, Add</i>	2.76	
<i>For 6" High Kick Plate, Add</i>	4.42	
<i>For Curved Rail, Add</i>	18.25	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	4.71	
<i>For Mounting On Slopes, Add</i>	1.67	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	15.21	
<i>For Nylon Coating, Add</i>	3.31	
05 52 13 00-0010 LF 1-1/4" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing	42.54	8.33
<i>For Schedule 80 Handrail, Add</i>	3.71	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
<i>For Aluminum, Satin Finish, Add</i>	10.87	
<i>For Aluminum, Clear Anodized Finish, Add</i>	16.83	
<i>For Aluminum, Dark Anodized Finish, Add</i>	19.42	
<i>For Galvanizing, Add</i>	10.36	
<i>For Wrought Iron, Add</i>	4.25	
<i>For Solid Steel Rails, Add</i>	8.51	
<i>For 304 Stainless Steel, Add</i>	82.85	
<i>For 316 Stainless Steel, Add</i>	93.20	
<i>For 2" Wheel Guard, Add</i>	2.46	
<i>For 4" High Kick Plate, Add</i>	3.24	
<i>For 6" High Kick Plate, Add</i>	5.18	
<i>For Curved Rail, Add</i>	20.53	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	5.09	
<i>For Mounting On Slopes, Add</i>	1.67	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	17.11	
<i>For Nylon Coating, Add</i>	3.88	
05 52 13 00-0011 LF 1-1/2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing	46.35	8.33
<i>For Schedule 80 Handrail, Add</i>	3.71	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
<i>For Aluminum, Satin Finish, Add</i>	12.47	
<i>For Aluminum, Clear Anodized Finish, Add</i>	19.31	
<i>For Aluminum, Dark Anodized Finish, Add</i>	22.28	
<i>For Galvanizing, Add</i>	11.88	
<i>For Wrought Iron, Add</i>	4.64	
<i>For Solid Steel Rails, Add</i>	9.27	
<i>For 304 Stainless Steel, Add</i>	95.04	
<i>For 316 Stainless Steel, Add</i>	106.92	
<i>For 2" Wheel Guard, Add</i>	2.82	
<i>For 4" High Kick Plate, Add</i>	3.71	
<i>For 6" High Kick Plate, Add</i>	5.94	
<i>For Curved Rail, Add</i>	22.82	
<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
<i>For Mounting On Stairs, Add</i>	5.47	
<i>For Mounting On Slopes, Add</i>	1.67	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	19.01	
<i>For Nylon Coating, Add</i>	4.46	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF		2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	52.95	8.33
			<i>For Schedule 80 Handrail, Add</i>	4.16	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	15.25	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.60	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.23	
			<i>For Galvanizing, Add</i>	14.52	
			<i>For Wrought Iron, Add</i>	5.30	
			<i>For Solid Steel Rails, Add</i>	10.59	
			<i>For 304 Stainless Steel, Add</i>	116.16	
			<i>For 316 Stainless Steel, Add</i>	130.68	
			<i>For 2" Wheel Guard, Add</i>	3.45	
			<i>For 4" High Kick Plate, Add</i>	4.54	
			<i>For 6" High Kick Plate, Add</i>	7.26	
			<i>For Curved Rail, Add</i>	26.78	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.13	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	22.31	
			<i>For Nylon Coating, Add</i>	5.45	
05 52 13 00-0013	LF		2-1/2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing	60.86	8.33
			<i>For Schedule 80 Handrail, Add</i>	4.61	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.82	
			<i>For Aluminum, Satin Finish, Add</i>	18.57	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	28.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	33.16	
			<i>For Galvanizing, Add</i>	17.68	
			<i>For Wrought Iron, Add</i>	6.09	
			<i>For Solid Steel Rails, Add</i>	12.17	
			<i>For 304 Stainless Steel, Add</i>	141.47	
			<i>For 316 Stainless Steel, Add</i>	159.16	
			<i>For 2" Wheel Guard, Add</i>	4.20	
			<i>For 4" High Kick Plate, Add</i>	5.53	
			<i>For 6" High Kick Plate, Add</i>	8.84	
			<i>For Curved Rail, Add</i>	31.52	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.92	
			<i>For Mounting On Slopes, Add</i>	1.67	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.17	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.00	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.27	
			<i>For Nylon Coating, Add</i>	6.63	
05 52 13 00-0014			Three Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
			Note: Includes factory primed posts and three rails.		
05 52 13 00-0015	LF		1" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.55	9.99
			<i>For Schedule 80 Handrail, Add</i>	3.91	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.49	
			<i>For Aluminum, Satin Finish, Add</i>	13.26	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.52	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.68	
			<i>For Galvanizing, Add</i>	12.63	
			<i>For Wrought Iron, Add</i>	5.16	
			<i>For Solid Steel Rails, Add</i>	10.31	
			<i>For 304 Stainless Steel, Add</i>	101.02	
			<i>For 316 Stainless Steel, Add</i>	113.65	
			<i>For 2" Wheel Guard, Add</i>	3.00	
			<i>For 4" High Kick Plate, Add</i>	3.95	
			<i>For 6" High Kick Plate, Add</i>	6.31	
			<i>For Curved Rail, Add</i>	24.94	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	6.15	
			<i>For Mounting On Slopes, Add</i>	2.00	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.50	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.50	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.78	
			<i>For Nylon Coating, Add</i>	4.74	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0016 LF 1-1/4" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	56.99	9.99
For Schedule 80 Handrail, Add	5.38	
For Additional Off Set Handrail, ADA Attachment, Add	12.49	
For Aluminum, Satin Finish, Add	15.54	
For Aluminum, Clear Anodized Finish, Add	24.06	
For Aluminum, Dark Anodized Finish, Add	27.76	
For Galvanizing, Add	14.80	
For Wrought Iron, Add	5.70	
For Solid Steel Rails, Add	11.40	
For 304 Stainless Steel, Add	118.43	
For 316 Stainless Steel, Add	133.24	
For 2" Wheel Guard, Add	3.52	
For 4" High Kick Plate, Add	4.63	
For 6" High Kick Plate, Add	7.40	
For Curved Rail, Add	28.20	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.70	
For Mounting On Slopes, Add	2.00	
For Post Base Flange With Screws, Add Per Post	19.50	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.50	
For Custom Design Or Shapes (Square Tops, etc), Add	23.50	
For Nylon Coating, Add	5.55	
05 52 13 00-0017 LF 1-1/2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	62.43	9.99
For Schedule 80 Handrail, Add	5.38	
For Additional Off Set Handrail, ADA Attachment, Add	12.49	
For Aluminum, Satin Finish, Add	17.83	
For Aluminum, Clear Anodized Finish, Add	27.59	
For Aluminum, Dark Anodized Finish, Add	31.84	
For Galvanizing, Add	16.98	
For Wrought Iron, Add	6.24	
For Solid Steel Rails, Add	12.49	
For 304 Stainless Steel, Add	135.84	
For 316 Stainless Steel, Add	152.82	
For 2" Wheel Guard, Add	4.03	
For 4" High Kick Plate, Add	5.31	
For 6" High Kick Plate, Add	8.49	
For Curved Rail, Add	31.46	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	7.24	
For Mounting On Slopes, Add	2.00	
For Post Base Flange With Screws, Add Per Post	19.50	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.50	
For Custom Design Or Shapes (Square Tops, etc), Add	26.22	
For Nylon Coating, Add	6.37	
05 52 13 00-0018 LF 2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	71.88	9.99
For Schedule 80 Handrail, Add	5.97	
For Additional Off Set Handrail, ADA Attachment, Add	12.49	
For Aluminum, Satin Finish, Add	21.80	
For Aluminum, Clear Anodized Finish, Add	33.74	
For Aluminum, Dark Anodized Finish, Add	38.93	
For Galvanizing, Add	20.76	
For Wrought Iron, Add	7.19	
For Solid Steel Rails, Add	14.38	
For 304 Stainless Steel, Add	166.08	
For 316 Stainless Steel, Add	186.84	
For 2" Wheel Guard, Add	4.93	
For 4" High Kick Plate, Add	6.49	
For 6" High Kick Plate, Add	10.38	
For Curved Rail, Add	37.13	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	8.19	
For Mounting On Slopes, Add	2.00	
For Post Base Flange With Screws, Add Per Post	19.50	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.50	
For Custom Design Or Shapes (Square Tops, etc), Add	30.95	
For Nylon Coating, Add	7.79	
05 52 13 00-0019 LF 2-1/2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	83.13	9.99
For Schedule 80 Handrail, Add	6.57	
For Additional Off Set Handrail, ADA Attachment, Add	12.49	
For Aluminum, Satin Finish, Add	26.52	
For Aluminum, Clear Anodized Finish, Add	41.05	
For Aluminum, Dark Anodized Finish, Add	47.36	
For Galvanizing, Add	25.26	
For Wrought Iron, Add	8.31	
For Solid Steel Rails, Add	16.63	
For 304 Stainless Steel, Add	202.08	
For 316 Stainless Steel, Add	227.34	
For 2" Wheel Guard, Add	6.00	
For 4" High Kick Plate, Add	7.89	
For 6" High Kick Plate, Add	12.63	
For Curved Rail, Add	43.88	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	9.31	
For Mounting On Slopes, Add	2.00	
For Post Base Flange With Screws, Add Per Post	19.50	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.50	
For Custom Design Or Shapes (Square Tops, etc), Add	36.57	
For Nylon Coating, Add	9.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0020			Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001) Note: Includes factory primed posts and four rails.		
05 52 13 00-0021	LF		1" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	62.07	11.66
			For Schedule 80 Handrail, Add	5.43	
			For Additional Off Set Handrail, ADA Attachment, Add	13.15	
			For Aluminum, Satin Finish, Add	16.28	
			For Aluminum, Clear Anodized Finish, Add	25.19	
			For Aluminum, Dark Anodized Finish, Add	29.06	
			For Galvanizing, Add	15.50	
			For Wrought Iron, Add	6.21	
			For Solid Steel Rails, Add	12.41	
			For 304 Stainless Steel, Add	124.00	
			For 316 Stainless Steel, Add	139.50	
			For 2" Wheel Guard, Add	3.68	
			For 4" High Kick Plate, Add	4.84	
			For 6" High Kick Plate, Add	7.75	
			For Curved Rail, Add	30.25	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	7.37	
			For Mounting On Slopes, Add	2.33	
			For Post Base Flange With Screws, Add Per Post	19.83	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.00	
			For Custom Design Or Shapes (Square Tops, etc), Add	25.21	
			For Nylon Coating, Add	5.81	
05 52 13 00-0022	LF		1-1/4" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	60.75	11.66
			For Schedule 80 Handrail, Add	7.26	
			For Additional Off Set Handrail, ADA Attachment, Add	13.15	
			For Aluminum, Satin Finish, Add	15.72	
			For Aluminum, Clear Anodized Finish, Add	24.33	
			For Aluminum, Dark Anodized Finish, Add	28.07	
			For Galvanizing, Add	14.97	
			For Wrought Iron, Add	6.08	
			For Solid Steel Rails, Add	12.15	
			For 304 Stainless Steel, Add	119.78	
			For 316 Stainless Steel, Add	134.75	
			For 2" Wheel Guard, Add	3.56	
			For 4" High Kick Plate, Add	4.68	
			For 6" High Kick Plate, Add	7.49	
			For Curved Rail, Add	29.45	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	7.24	
			For Mounting On Slopes, Add	2.33	
			For Post Base Flange With Screws, Add Per Post	19.83	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.00	
			For Custom Design Or Shapes (Square Tops, etc), Add	24.55	
			For Nylon Coating, Add	5.61	
05 52 13 00-0023	LF		1-1/2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	59.43	11.66
			For Schedule 80 Handrail, Add	7.26	
			For Additional Off Set Handrail, ADA Attachment, Add	13.15	
			For Aluminum, Satin Finish, Add	15.17	
			For Aluminum, Clear Anodized Finish, Add	23.47	
			For Aluminum, Dark Anodized Finish, Add	27.08	
			For Galvanizing, Add	14.44	
			For Wrought Iron, Add	5.94	
			For Solid Steel Rails, Add	11.89	
			For 304 Stainless Steel, Add	115.55	
			For 316 Stainless Steel, Add	130.00	
			For 2" Wheel Guard, Add	3.43	
			For 4" High Kick Plate, Add	4.51	
			For 6" High Kick Plate, Add	7.22	
			For Curved Rail, Add	28.66	
			For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
			For Mounting On Stairs, Add	7.11	
			For Mounting On Slopes, Add	2.33	
			For Post Base Flange With Screws, Add Per Post	19.83	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.00	
			For Custom Design Or Shapes (Square Tops, etc), Add	23.89	
			For Nylon Coating, Add	5.42	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.48	11.66
For Schedule 80 Handrail, Add	8.00	
For Additional Off Set Handrail, ADA Attachment, Add	13.15	
For Aluminum, Satin Finish, Add	24.85	
For Aluminum, Clear Anodized Finish, Add	38.45	
For Aluminum, Dark Anodized Finish, Add	44.37	
For Galvanizing, Add	23.66	
For Wrought Iron, Add	8.25	
For Solid Steel Rails, Add	16.50	
For 304 Stainless Steel, Add	189.31	
For 316 Stainless Steel, Add	212.98	
For 2" Wheel Guard, Add	5.62	
For 4" High Kick Plate, Add	7.40	
For 6" High Kick Plate, Add	11.83	
For Curved Rail, Add	42.49	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	9.41	
For Mounting On Slopes, Add	2.33	
For Post Base Flange With Screws, Add Per Post	19.83	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.00	
For Custom Design Or Shapes (Square Tops, etc), Add	35.41	
For Nylon Coating, Add	8.87	
05 52 13 00-0025 LF 2-1/2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	95.08	11.66
For Schedule 80 Handrail, Add	8.74	
For Additional Off Set Handrail, ADA Attachment, Add	13.15	
For Aluminum, Satin Finish, Add	30.14	
For Aluminum, Clear Anodized Finish, Add	46.64	
For Aluminum, Dark Anodized Finish, Add	53.82	
For Galvanizing, Add	28.70	
For Wrought Iron, Add	9.51	
For Solid Steel Rails, Add	19.02	
For 304 Stainless Steel, Add	229.63	
For 316 Stainless Steel, Add	258.34	
For 2" Wheel Guard, Add	6.82	
For 4" High Kick Plate, Add	8.97	
For 6" High Kick Plate, Add	14.35	
For Curved Rail, Add	50.05	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	10.67	
For Mounting On Slopes, Add	2.33	
For Post Base Flange With Screws, Add Per Post	19.83	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.00	
For Custom Design Or Shapes (Square Tops, etc), Add	41.71	
For Nylon Coating, Add	10.76	
05 52 13 00-0026 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0027 LF 1" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.40	5.00
For Schedule 80 Handrail, Add	1.64	
For Stainless Steel, Add	33.82	
For Aluminum, Satin Finish, Add	7.10	
For Curved Rail, Add	8.82	
For Aluminum, Clear Anodized Finish, Add	10.99	
For Aluminum, Dark Anodized Finish, Add	12.68	
For Galvanized Finish, Add	5.07	
05 52 13 00-0028 LF 1-1/4" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.94	5.00
For Schedule 80 Handrail, Add	1.82	
For Stainless Steel, Add	34.90	
For Aluminum, Satin Finish, Add	7.33	
For Curved Rail, Add	8.98	
For Aluminum, Clear Anodized Finish, Add	11.34	
For Aluminum, Dark Anodized Finish, Add	13.09	
For Galvanized Finish, Add	5.24	
05 52 13 00-0029 LF 1-1/2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.49	5.00
For Schedule 80 Handrail, Add	4.26	
For Stainless Steel, Add	36.00	
For Aluminum, Satin Finish, Add	7.56	
For Curved Rail, Add	9.15	
For Aluminum, Clear Anodized Finish, Add	11.70	
For Aluminum, Dark Anodized Finish, Add	13.50	
For Galvanized Finish, Add	5.40	
05 52 13 00-0030 LF 2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.76	5.00
For Schedule 80 Handrail, Add	2.15	
For Stainless Steel, Add	48.54	
For Aluminum, Satin Finish, Add	10.19	
For Curved Rail, Add	11.03	
For Aluminum, Clear Anodized Finish, Add	15.78	
For Aluminum, Dark Anodized Finish, Add	18.20	
For Galvanized Finish, Add	7.28	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0031	LF		2-1/2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.94	5.00
			<i>For Schedule 80 Handrail, Add</i>	2.30	
			<i>For Stainless Steel, Add</i>	58.90	
			<i>For Aluminum, Satin Finish, Add</i>	12.37	
			<i>For Curved Rail, Add</i>	12.58	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.14	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.09	
			<i>For Galvanized Finish, Add</i>	8.84	
05 52 13 00-0032			Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0033	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	35.81	5.25
			<i>For Schedule 80 Handrail, Add</i>	1.64	
			<i>For Stainless Steel, Add</i>	46.64	
			<i>For Aluminum, Satin Finish, Add</i>	9.79	
			<i>For Curved Rail, Add</i>	10.74	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.16	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.49	
			<i>For Galvanized Finish, Add</i>	7.00	
05 52 13 00-0034	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.57	5.25
			<i>For Schedule 80 Handrail, Add</i>	1.82	
			<i>For Stainless Steel, Add</i>	48.16	
			<i>For Aluminum, Satin Finish, Add</i>	10.11	
			<i>For Curved Rail, Add</i>	10.97	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.65	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.06	
			<i>For Galvanized Finish, Add</i>	7.22	
05 52 13 00-0035	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	37.14	5.25
			<i>For Schedule 80 Handrail, Add</i>	4.26	
			<i>For Stainless Steel, Add</i>	49.30	
			<i>For Aluminum, Satin Finish, Add</i>	10.35	
			<i>For Curved Rail, Add</i>	11.14	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.02	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.49	
			<i>For Galvanized Finish, Add</i>	7.40	
05 52 13 00-0036	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	45.90	5.25
			<i>For Schedule 80 Handrail, Add</i>	2.15	
			<i>For Stainless Steel, Add</i>	66.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.03	
			<i>For Curved Rail, Add</i>	13.77	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.72	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.06	
			<i>For Galvanized Finish, Add</i>	10.02	
05 52 13 00-0037	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	51.63	5.25
			<i>For Schedule 80 Handrail, Add</i>	2.30	
			<i>For Stainless Steel, Add</i>	78.28	
			<i>For Aluminum, Satin Finish, Add</i>	16.44	
			<i>For Curved Rail, Add</i>	15.49	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.36	
			<i>For Galvanized Finish, Add</i>	11.74	
05 52 13 00-0038			Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0039	LF		Remove And Reinstall Wall Bracket Mounted Pipe Railing	18.74	
05 52 13 00-0040	LF		Remove And Reinstall Floor Mounted Pipe Railing	24.43	
05 52 13 00-0041	EA		Install New Railing Bracket	50.54	
			<i>For Stainless Steel, Add</i>	51.12	
05 53			Metal Gratings <small>(05 50)</small>		
05 53 13			Bar Gratings <small>(05 53)</small>		
05 53 13 00-0001			Welded Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating	7.55	0.91
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.97	
			<i>For 304 Stainless Steel, Add</i>	18.36	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	1.67	
			<i>For Crossbars At 2" O.C., Add</i>	0.62	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.37	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating	9.92	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.38	
For 304 Stainless Steel, Add	25.97	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.36	
For Crossbars At 2" O.C., Add	0.87	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.43	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating	9.07	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.23	
For 304 Stainless Steel, Add	23.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.11	
For Crossbars At 2" O.C., Add	0.78	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.41	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating	12.29	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.78	
For 304 Stainless Steel, Add	33.58	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.05	
For Crossbars At 2" O.C., Add	1.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.49	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating	15.51	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	43.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.99	
For Crossbars At 2" O.C., Add	1.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.57	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating	10.61	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.49	
For 304 Stainless Steel, Add	28.18	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.56	
For Crossbars At 2" O.C., Add	0.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.45	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating	14.52	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	40.73	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.71	
For Crossbars At 2" O.C., Add	1.37	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.54	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating	12.15	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	33.13	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.01	
For Crossbars At 2" O.C., Add	1.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating	17.29	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	48.31	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.39	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.88	
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	22.18	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	19.67	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.94	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	21.91	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	63.14	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.74	
For Crossbars At 2" O.C., Add	2.12	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.99	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	24.28	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	70.75	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.44	
For Crossbars At 2" O.C., Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	26.51	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	77.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.09	
For Crossbars At 2" O.C., Add	2.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	13.76	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	22.32	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.48	
For Crossbars At 2" O.C., Add	1.29	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	16.81	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.60	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	15.07	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	24.77	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.87	
For Crossbars At 2" O.C., Add	1.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	20.30	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	34.56	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	26.78	
For Bearing Bars At 15/16" O.C., Add	5.39	
For Crossbars At 2" O.C., Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.69	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.81	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.60	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.72	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	39.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.10	
For Crossbars At 2" O.C., Add	2.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.75	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.64	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	31.45	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.91	
For Crossbars At 2" O.C., Add	1.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.67	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	43.84	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	33.97	
For Bearing Bars At 15/16" O.C., Add	6.84	
For Crossbars At 2" O.C., Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.09	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.22	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	48.61	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.59	
For Crossbars At 2" O.C., Add	2.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.15	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	30.30	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.60	
For 304 Stainless Steel, Add	52.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.19	
For Crossbars At 2" O.C., Add	3.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.30	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.93	
For 304 Stainless Steel, Add	56.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.78	
For Crossbars At 2" O.C., Add	3.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.25	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	34.03	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	59.48	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.28	
For Crossbars At 2" O.C., Add	3.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating.....	10.08	0.91
For Bearing Bars At 15/16" O.C., Add	2.41	
For Crossbars At 2" O.C., Add	0.89	
For Set In Place Without Bolting, Deduct	-1.43	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating.....	13.46	0.91
For Bearing Bars At 15/16" O.C., Add	3.40	
For Crossbars At 2" O.C., Add	1.26	
For Set In Place Without Bolting, Deduct	-1.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating.....	12.73	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	3.18	
			<i>For Crossbars At 2" O.C., Add</i>	1.18	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.50	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating.....	17.11	0.91
			<i>For Bearing Bars At 7/16" O.C., Add</i>	22.16	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.46	
			<i>For Crossbars At 2" O.C., Add</i>	1.65	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.61	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	14.66	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	3.75	
			<i>For Crossbars At 2" O.C., Add</i>	1.39	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.55	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	19.43	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	5.14	
			<i>For Crossbars At 2" O.C., Add</i>	1.90	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.67	
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	16.47	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.27	
			<i>For Crossbars At 2" O.C., Add</i>	1.58	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.59	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	21.82	0.91
			<i>For Bearing Bars At 7/16" O.C., Add</i>	28.99	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	5.84	
			<i>For Crossbars At 2" O.C., Add</i>	2.16	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.73	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	24.11	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	6.51	
			<i>For Crossbars At 2" O.C., Add</i>	2.41	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.78	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating.....	26.82	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	7.30	
			<i>For Crossbars At 2" O.C., Add</i>	2.70	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.85	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	28.95	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	7.92	
			<i>For Crossbars At 2" O.C., Add</i>	2.93	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.90	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	31.48	0.91
			<i>For Bearing Bars At 15/16" O.C., Add</i>	8.66	
			<i>For Crossbars At 2" O.C., Add</i>	3.20	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.97	
05 53 13 00-0044			Swage Locked Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	22.16	0.91
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.87	
			<i>For 304 Stainless Steel, Add</i>	33.71	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	13.01	
			<i>For Crossbars At 2" O.C., Add</i>	1.63	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.73	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	24.66	0.91
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.10	
			<i>For 304 Stainless Steel, Add</i>	37.85	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	14.61	
			<i>For Crossbars At 2" O.C., Add</i>	1.83	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.80	



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	27.04 0.22 2.28 41.12 15.87 1.98 0.16 -2.12	1.13
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	30.88 0.22 2.63 47.49 18.33 2.29 0.16 -2.22	1.13
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	34.74 0.22 2.99 53.89 20.80 2.60 0.16 -2.31	1.13
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	38.58 0.22 3.34 60.25 23.26 2.91 0.16 -2.41	1.13
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	42.44 0.22 3.70 66.65 25.73 3.22 0.16 -2.51	1.13
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044) Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	11.80 6.38 0.80 0.16 -1.48	0.91
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	15.14 8.52 1.06 0.16 -1.56	0.91
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	13.30 7.34 0.92 0.16 -1.51	0.91
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	17.38 9.95 1.24 0.16 -1.61	0.91
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	15.08 8.48 1.06 0.16 -1.56	0.91
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	19.79 11.49 1.44 0.16 -1.68	0.91
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct	22.56 13.27 1.66 0.16 -1.74	0.91

05	Metals
05 50	Metal Fabrications
05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	25.32	0.91
For Bearing Bars At 15/16" O.C., Add	15.03	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.81	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	28.09	0.91
For Bearing Bars At 15/16" O.C., Add	16.81	
For Crossbars At 2" O.C., Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.88	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.84	0.91
For Bearing Bars At 15/16" O.C., Add	18.57	
For Crossbars At 2" O.C., Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.95	
05 53 13 00-0064 Riveted Grating <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065 Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.59	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.91	
For 304 Stainless Steel, Add	34.15	
For 5/8" Clear Opening, Add	13.72	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.87	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	40.41	
For 5/8" Clear Opening, Add	16.23	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	44.94	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	37.03	
For 5/8" Clear Opening, Add	14.87	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.64	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.79	
For 5/8" Clear Opening, Add	17.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.72	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	39.42	
For 5/8" Clear Opening, Add	15.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.37	
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.81	0.91
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	47.23	
For 5/8" Clear Opening, Add	18.97	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.80	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	41.71	
For 5/8" Clear Opening, Add	16.75	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.71	
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.52	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.80	
For 304 Stainless Steel, Add	50.06	
For 5/8" Clear Opening, Add	20.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.96	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.48	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	54.32	
For 5/8" Clear Opening, Add	21.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.08	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.55	1.13
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.57	
			<i>For 304 Stainless Steel, Add</i>	63.83	
			<i>For 5/8" Clear Opening, Add</i>	25.64	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.36	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.40	1.13
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	67.14	
			<i>For 5/8" Clear Opening, Add</i>	26.97	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.45	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.84	1.13
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.92	
			<i>For 304 Stainless Steel, Add</i>	70.09	
			<i>For 5/8" Clear Opening, Add</i>	28.15	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.54	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>					
Note: 1" clear opening, bolted in place and in all sizes.					
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.60	0.91
			<i>For 5/8" Clear Opening, Add</i>	7.86	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.80	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.11	0.91
			<i>For 5/8" Clear Opening, Add</i>	9.41	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.91	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	27.01	0.91
			<i>For 5/8" Clear Opening, Add</i>	8.69	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.86	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.41	0.91
			<i>For 5/8" Clear Opening, Add</i>	10.21	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.97	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.23	0.91
			<i>For 5/8" Clear Opening, Add</i>	9.80	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.94	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.34	0.91
			<i>For 5/8" Clear Opening, Add</i>	11.91	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.09	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.43	0.91
			<i>For 5/8" Clear Opening, Add</i>	10.56	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.99	
05 53 13 00-0086	SF		1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.19	0.91
			<i>For 5/8" Clear Opening, Add</i>	13.23	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.19	
05 53 13 00-0087	SF		1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.25	0.91
			<i>For 5/8" Clear Opening, Add</i>	14.63	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.29	
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.61	0.91
			<i>For 5/8" Clear Opening, Add</i>	17.52	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.50	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.34	0.91
			<i>For 5/8" Clear Opening, Add</i>	19.15	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.61	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.70	0.91
			<i>For 5/8" Clear Opening, Add</i>	21.35	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.77	
05 54 Metal Floor Plates <small>(05 50)</small>					
05 54 00 00-0001 Steel Floor Plates <small>(05 54)</small>					
05 54 00 00-0002	SF		16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.77	1.09
05 54 00 00-0003	SF		14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.23	1.09
05 54 00 00-0004	SF		12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.18	1.09
05 54 00 00-0005	SF		1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.24	1.17
05 54 00 00-0006	SF		1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.53	1.25
05 54 00 00-0007 Aluminum Alloy Floor Plates <small>(05 54)</small>					
05 54 00 00-0008	SF		0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.66	0.91

05	05 Metals
	05 50 Metal Fabrications
	05 54 Metal Floor Plates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.96	1.09
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	20.29	1.17
05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)		
05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.44	1.25
<i>For 316 Stainless Steel, Add</i>	7.38	
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.60	1.41
<i>For 316 Stainless Steel, Add</i>	8.86	
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	40.92	1.67
<i>For 316 Stainless Steel, Add</i>	11.57	
05 55 Metal Stair Treads And Nosings (05 50)		
05 55 13 Metal Stair Treads (05 55)		
05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)		
<i>Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.</i>		
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	38.97	4.80
<i>For 3/8" Thick, Add</i>	7.82	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	42.65	4.80
<i>For 3/8" Thick, Add</i>	8.74	
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	46.32	4.80
<i>For 3/8" Thick, Add</i>	9.66	
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	50.01	4.80
<i>For 3/8" Thick, Add</i>	10.58	
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	53.67	4.80
<i>For 3/8" Thick, Add</i>	11.50	
05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)		
<i>Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.</i>		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	53.24	4.80
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	58.69	4.80
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.15	4.80
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	69.60	4.80
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	75.06	4.80
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)		
<i>Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.</i>		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	21.77	4.80
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	25.10	4.80
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	26.57	4.80
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)		
<i>Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.</i>		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	30.97	4.80
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	31.24	4.80
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	37.24	4.80
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	42.49	4.80
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	49.34	4.80
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0023 Stair Landing Treads (05 55 13)		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023)		
<i>Note: Includes abrasive diamond pattern surface and anchors.</i>		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	53.67	4.80
<i>For 3/8" Thick, Add</i>	11.50	
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023)		
<i>Note: Includes abrasive diamond pattern surface and anchors.</i>		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	75.06	4.80



Metals	05	05
Metal Fabrications	05 50	
Metal Stair Treads And Nosings	05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <i>For Epoxy Sealed For Corrosive Environment, Add</i>	49.94 2.31	4.80
05 55 13 00-0030 Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	372.36 31.68	33.32
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	421.07 35.71	38.31
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	465.71 39.44	44.98
05 55 16 Metal Stair Nosings <small>(05 55)</small>		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	17.11 2.97	3.27
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	20.67 3.86	3.27
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... <i>For 3/8" Thick, Add</i>	28.58 5.84	3.27
05 55 16 00-0005 Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	19.71 3.62	3.27
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	24.08 4.71	3.27
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	32.72 6.87	3.27
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.71	3.27
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.42	3.27
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	17.73	3.27
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.79	3.27
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.17	3.27
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.63	3.27
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.07	3.27
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.19	3.27
05 56 Metal Castings <small>(05 50)</small>		
05 56 00 00-0001 Castings <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section	3.05	0.42
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	4.98	0.34
05 58 Formed Metal Fabrications <small>(05 50)</small>		
05 58 16 Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001 Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan	61.12	5.56
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	60.43	5.56
05 58 16 00-0004 SF Aluminum Drip Pan	42.84	4.44
05 58 16 00-0005 SF Plastic Drip Pan	13.21	3.89
05 58 23 Formed Metal Guards <small>(05 58)</small>		
05 58 23 00-0001 Protective Guard Rails <small>(05 58 23)</small> Note: Includes painted finish.		
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	111.90	15.71
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	130.29	15.71

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	147.64	15.71
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	166.02	15.71
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	183.47	15.71
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	206.08	15.71
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	221.48	15.71
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	245.34	15.71
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	260.99	15.71
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	272.17	15.71
05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002)		
Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12' Height, Single Rail Post For 2-Rib Guard Rails.....	228.44	32.72
05 58 23 00-0016 EA 42' Height, Triple Rail Post For 2-Rib Guard Rails.....	292.30	32.72
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)		
Note: Steel King Steel Guard.		
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	122.99	15.71
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	135.21	15.71
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	150.47	15.71
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	164.73	15.71
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	181.23	15.71
05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	189.18	15.71
05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	208.31	15.71
05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	224.46	15.71
05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	241.61	15.71
05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	259.00	15.71
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)		
Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	178.00	15.71
05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	191.42	15.71
05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	205.33	15.71
05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	221.48	15.71
05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	237.63	15.71
05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	250.80	15.71
05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	265.96	15.71
05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	283.10	15.71
05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	301.49	15.71
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	317.64	15.71
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)		
Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18' Height, Single Rail Post For 3-Rib Guard Rails.....	203.00	32.72
05 58 23 00-0042 EA 42' Height, Double Rail Post For 3-Rib Guard Rails.....	254.78	32.72
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23)		
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	265.41	43.63
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	277.83	43.63
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	285.04	43.63
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	295.72	43.63
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	293.24	43.63
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	306.41	43.63
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	310.13	43.63
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	314.36	43.63
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	334.48	43.63
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	342.44	43.63
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	357.34	43.63
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	363.56	43.63
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	394.12	43.63
05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)		
Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	169.92	32.72
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	194.47	32.72
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	220.46	32.72
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	227.56	32.72



Metals	05	05
Metal Fabrications	05 50	
Formed Metal Fabrications	05 58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	243.96	32.72
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05 59 Metal Specialties (05 50)

05 59 65 Chain (05 59)

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.78	0.81
		<i>For Plastic Dipped, Add</i>	0.33	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.08	1.08
		<i>For Plastic Dipped, Add</i>	0.44	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.26	2.15
		<i>For Plastic Dipped, Add</i>	0.59	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.33	3.63
		<i>For Plastic Dipped, Add</i>	0.91	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	22.50	6.13
		<i>For Plastic Dipped, Add</i>	1.53	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	31.57	8.61
		<i>For Plastic Dipped, Add</i>	2.15	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	42.58	10.76
		<i>For Plastic Dipped, Add</i>	3.16	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	60.98	14.34
		<i>For Plastic Dipped, Add</i>	4.84	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	98.29	21.52
		<i>For Plastic Dipped, Add</i>	8.29	

05 59 69 Metal Panels (05 59)

05 59 69 00-0001 Woven And Welded Wire Cloth (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)

05 59 69 00-0003 2" Square Wire Spacing (05 59 69 00-0002)

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels	6.89	2.30
		<i>For Up To 2 SF Panel, Add</i>	1.95	
		<i>For >2 To 6 SF Panel, Add</i>	1.13	
		<i>For >15 To 40 SF, Deduct</i>	-0.18	
		<i>For >40 SF, Deduct</i>	-0.54	
		<i>For Galvanized, Add</i>	1.82	
		<i>For Aluminum, Add</i>	2.18	
		<i>For 304 Stainless Steel, Add</i>	8.71	
		<i>For 316 Stainless Steel, Add</i>	9.98	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels	7.18	2.40
		<i>For Up To 2 SF Panel, Add</i>	2.07	
		<i>For >2 To 6 SF Panel, Add</i>	1.20	
		<i>For >15 To 40 SF, Deduct</i>	-0.20	
		<i>For >40 SF, Deduct</i>	-0.60	
		<i>For Galvanized, Add</i>	2.00	
		<i>For Aluminum, Add</i>	2.39	
		<i>For 304 Stainless Steel, Add</i>	9.58	
		<i>For 316 Stainless Steel, Add</i>	10.97	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels	7.65	2.65
		<i>For Up To 2 SF Panel, Add</i>	2.24	
		<i>For >2 To 6 SF Panel, Add</i>	1.29	
		<i>For >15 To 40 SF, Deduct</i>	-0.21	
		<i>For >40 SF, Deduct</i>	-0.62	
		<i>For Galvanized, Add</i>	2.06	
		<i>For Aluminum, Add</i>	2.47	
		<i>For 304 Stainless Steel, Add</i>	9.89	
		<i>For 316 Stainless Steel, Add</i>	11.33	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels	8.06	2.77
		<i>For Up To 2 SF Panel, Add</i>	2.35	
		<i>For >2 To 6 SF Panel, Add</i>	1.36	
		<i>For >15 To 40 SF, Deduct</i>	-0.22	
		<i>For >40 SF, Deduct</i>	-0.66	
		<i>For Galvanized, Add</i>	2.19	
		<i>For Aluminum, Add</i>	2.63	
		<i>For 304 Stainless Steel, Add</i>	10.51	
		<i>For 316 Stainless Steel, Add</i>	12.05	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels	8.84	3.10
		<i>For Up To 2 SF Panel, Add</i>	2.59	
		<i>For >2 To 6 SF Panel, Add</i>	1.50	
		<i>For >15 To 40 SF, Deduct</i>	-0.24	
		<i>For >40 SF, Deduct</i>	-0.71	
		<i>For Galvanized, Add</i>	2.36	
		<i>For Aluminum, Add</i>	2.83	
		<i>For 304 Stainless Steel, Add</i>	11.30	
		<i>For 316 Stainless Steel, Add</i>	12.95	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	10.14	3.45
			<i>For Up To 2 SF Panel, Add</i>	2.95	
			<i>For >2 To 6 SF Panel, Add</i>	1.71	
			<i>For >15 To 40 SF, Deduct</i>	-0.28	
			<i>For >40 SF, Deduct</i>	-0.83	
			<i>For Galvanized, Add</i>	2.77	
			<i>For Aluminum, Add</i>	3.32	
			<i>For 304 Stainless Steel, Add</i>	13.27	
			<i>For 316 Stainless Steel, Add</i>	15.21	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	11.46	3.79
			<i>For Up To 2 SF Panel, Add</i>	3.30	
			<i>For >2 To 6 SF Panel, Add</i>	1.91	
			<i>For >15 To 40 SF, Deduct</i>	-0.32	
			<i>For >40 SF, Deduct</i>	-0.96	
			<i>For Galvanized, Add</i>	3.20	
			<i>For Aluminum, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	15.36	
			<i>For 316 Stainless Steel, Add</i>	17.60	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	13.09	4.22
			<i>For Up To 2 SF Panel, Add</i>	3.74	
			<i>For >2 To 6 SF Panel, Add</i>	2.15	
			<i>For >15 To 40 SF, Deduct</i>	-0.37	
			<i>For >40 SF, Deduct</i>	-1.12	
			<i>For Galvanized, Add</i>	3.74	
			<i>For Aluminum, Add</i>	4.48	
			<i>For 304 Stainless Steel, Add</i>	17.93	
			<i>For 316 Stainless Steel, Add</i>	20.54	
05 59 69 00-0012			1-3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	7.02	2.44
			<i>For Up To 2 SF Panel, Add</i>	2.05	
			<i>For >2 To 6 SF Panel, Add</i>	1.19	
			<i>For >15 To 40 SF, Deduct</i>	-0.19	
			<i>For >40 SF, Deduct</i>	-0.57	
			<i>For Galvanized, Add</i>	1.89	
			<i>For Aluminum, Add</i>	2.27	
			<i>For 304 Stainless Steel, Add</i>	9.07	
			<i>For 316 Stainless Steel, Add</i>	10.40	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.70	2.57
			<i>For Up To 2 SF Panel, Add</i>	2.22	
			<i>For >2 To 6 SF Panel, Add</i>	1.28	
			<i>For >15 To 40 SF, Deduct</i>	-0.21	
			<i>For >40 SF, Deduct</i>	-0.64	
			<i>For Galvanized, Add</i>	2.14	
			<i>For Aluminum, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	10.27	
			<i>For 316 Stainless Steel, Add</i>	11.77	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.31	2.88
			<i>For Up To 2 SF Panel, Add</i>	2.43	
			<i>For >2 To 6 SF Panel, Add</i>	1.41	
			<i>For >15 To 40 SF, Deduct</i>	-0.22	
			<i>For >40 SF, Deduct</i>	-0.67	
			<i>For Galvanized, Add</i>	2.24	
			<i>For Aluminum, Add</i>	2.68	
			<i>For 304 Stainless Steel, Add</i>	10.73	
			<i>For 316 Stainless Steel, Add</i>	12.29	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.67	2.97
			<i>For Up To 2 SF Panel, Add</i>	2.53	
			<i>For >2 To 6 SF Panel, Add</i>	1.46	
			<i>For >15 To 40 SF, Deduct</i>	-0.24	
			<i>For >40 SF, Deduct</i>	-0.71	
			<i>For Galvanized, Add</i>	2.36	
			<i>For Aluminum, Add</i>	2.83	
			<i>For 304 Stainless Steel, Add</i>	11.30	
			<i>For 316 Stainless Steel, Add</i>	12.95	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.51	3.33
			<i>For Up To 2 SF Panel, Add</i>	2.79	
			<i>For >2 To 6 SF Panel, Add</i>	1.62	
			<i>For >15 To 40 SF, Deduct</i>	-0.25	
			<i>For >40 SF, Deduct</i>	-0.76	
			<i>For Galvanized, Add</i>	2.54	
			<i>For Aluminum, Add</i>	3.04	
			<i>For 304 Stainless Steel, Add</i>	12.17	
			<i>For 316 Stainless Steel, Add</i>	13.94	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	10.91	3.71
			<i>For Up To 2 SF Panel, Add</i>	3.17	
			<i>For >2 To 6 SF Panel, Add</i>	1.84	
			<i>For >15 To 40 SF, Deduct</i>	-0.30	
			<i>For >40 SF, Deduct</i>	-0.89	
			<i>For Galvanized, Add</i>	2.98	
			<i>For Aluminum, Add</i>	3.57	
			<i>For 304 Stainless Steel, Add</i>	14.28	
			<i>For 316 Stainless Steel, Add</i>	16.36	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0019 SF 0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.31	4.08
For Up To 2 SF Panel, Add	3.55	
For >2 To 6 SF Panel, Add	2.05	
For >15 To 40 SF, Deduct	-0.34	
For >40 SF, Deduct	-1.03	
For Galvanized, Add	3.44	
For Aluminum, Add	4.12	
For 304 Stainless Steel, Add	16.49	
For 316 Stainless Steel, Add	18.89	
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	14.09	4.54
For Up To 2 SF Panel, Add	4.03	
For >2 To 6 SF Panel, Add	2.32	
For >15 To 40 SF, Deduct	-0.40	
For >40 SF, Deduct	-1.21	
For Galvanized, Add	4.02	
For Aluminum, Add	4.82	
For 304 Stainless Steel, Add	19.30	
For 316 Stainless Steel, Add	22.11	
05 59 69 00-0021 1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	7.78	2.71
For Up To 2 SF Panel, Add	2.27	
For >2 To 6 SF Panel, Add	1.32	
For >15 To 40 SF, Deduct	-0.21	
For >40 SF, Deduct	-0.63	
For Galvanized, Add	2.10	
For Aluminum, Add	2.51	
For 304 Stainless Steel, Add	10.06	
For 316 Stainless Steel, Add	11.52	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.51	2.84
For Up To 2 SF Panel, Add	2.46	
For >2 To 6 SF Panel, Add	1.42	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.71	
For Galvanized, Add	2.37	
For Aluminum, Add	2.84	
For 304 Stainless Steel, Add	11.35	
For 316 Stainless Steel, Add	13.01	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.09	3.15
For Up To 2 SF Panel, Add	2.66	
For >2 To 6 SF Panel, Add	1.54	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.73	
For Galvanized, Add	2.45	
For Aluminum, Add	2.93	
For 304 Stainless Steel, Add	11.74	
For 316 Stainless Steel, Add	13.45	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.57	3.28
For Up To 2 SF Panel, Add	2.79	
For >2 To 6 SF Panel, Add	1.61	
For >15 To 40 SF, Deduct	-0.26	
For >40 SF, Deduct	-0.78	
For Galvanized, Add	2.60	
For Aluminum, Add	3.12	
For 304 Stainless Steel, Add	12.48	
For 316 Stainless Steel, Add	14.30	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.46	3.66
For Up To 2 SF Panel, Add	3.07	
For >2 To 6 SF Panel, Add	1.78	
For >15 To 40 SF, Deduct	-0.28	
For >40 SF, Deduct	-0.84	
For Galvanized, Add	2.79	
For Aluminum, Add	3.34	
For 304 Stainless Steel, Add	13.37	
For 316 Stainless Steel, Add	15.32	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	11.92	4.07
For Up To 2 SF Panel, Add	3.47	
For >2 To 6 SF Panel, Add	2.01	
For >15 To 40 SF, Deduct	-0.33	
For >40 SF, Deduct	-0.98	
For Galvanized, Add	3.25	
For Aluminum, Add	3.90	
For 304 Stainless Steel, Add	15.60	
For 316 Stainless Steel, Add	17.88	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.47	4.47
For Up To 2 SF Panel, Add	3.88	
For >2 To 6 SF Panel, Add	2.24	
For >15 To 40 SF, Deduct	-0.38	
For >40 SF, Deduct	-1.13	
For Galvanized, Add	3.76	
For Aluminum, Add	4.51	
For 304 Stainless Steel, Add	18.05	
For 316 Stainless Steel, Add	20.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.36	4.95
			<i>For Up To 2 SF Panel, Add</i>	4.39	
			<i>For >2 To 6 SF Panel, Add</i>	2.52	
			<i>For >15 To 40 SF, Deduct</i>	-0.44	
			<i>For >40 SF, Deduct</i>	-1.32	
			<i>For Galvanized, Add</i>	4.39	
			<i>For Aluminum, Add</i>	5.26	
			<i>For 304 Stainless Steel, Add</i>	21.05	
			<i>For 316 Stainless Steel, Add</i>	24.12	
05 59 69 00-0030			1-1/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	8.00	2.92
			<i>For Up To 2 SF Panel, Add</i>	2.38	
			<i>For >2 To 6 SF Panel, Add</i>	1.39	
			<i>For >15 To 40 SF, Deduct</i>	-0.21	
			<i>For >40 SF, Deduct</i>	-0.62	
			<i>For Galvanized, Add</i>	2.05	
			<i>For Aluminum, Add</i>	2.46	
			<i>For 304 Stainless Steel, Add</i>	9.84	
			<i>For 316 Stainless Steel, Add</i>	11.28	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.63	3.06
			<i>For Up To 2 SF Panel, Add</i>	2.54	
			<i>For >2 To 6 SF Panel, Add</i>	1.48	
			<i>For >15 To 40 SF, Deduct</i>	-0.23	
			<i>For >40 SF, Deduct</i>	-0.68	
			<i>For Galvanized, Add</i>	2.27	
			<i>For Aluminum, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	10.90	
			<i>For 316 Stainless Steel, Add</i>	12.49	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.34	3.19
			<i>For Up To 2 SF Panel, Add</i>	2.72	
			<i>For >2 To 6 SF Panel, Add</i>	1.57	
			<i>For >15 To 40 SF, Deduct</i>	-0.25	
			<i>For >40 SF, Deduct</i>	-0.76	
			<i>For Galvanized, Add</i>	2.54	
			<i>For Aluminum, Add</i>	3.05	
			<i>For 304 Stainless Steel, Add</i>	12.19	
			<i>For 316 Stainless Steel, Add</i>	13.97	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.62	3.25
			<i>For Up To 2 SF Panel, Add</i>	2.79	
			<i>For >2 To 6 SF Panel, Add</i>	1.61	
			<i>For >15 To 40 SF, Deduct</i>	-0.26	
			<i>For >40 SF, Deduct</i>	-0.79	
			<i>For Galvanized, Add</i>	2.64	
			<i>For Aluminum, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	12.67	
			<i>For 316 Stainless Steel, Add</i>	14.52	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.46	3.67
			<i>For Up To 2 SF Panel, Add</i>	3.07	
			<i>For >2 To 6 SF Panel, Add</i>	1.78	
			<i>For >15 To 40 SF, Deduct</i>	-0.28	
			<i>For >40 SF, Deduct</i>	-0.83	
			<i>For Galvanized, Add</i>	2.78	
			<i>For Aluminum, Add</i>	3.34	
			<i>For 304 Stainless Steel, Add</i>	13.34	
			<i>For 316 Stainless Steel, Add</i>	15.29	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	11.79	4.13
			<i>For Up To 2 SF Panel, Add</i>	3.46	
			<i>For >2 To 6 SF Panel, Add</i>	2.01	
			<i>For >15 To 40 SF, Deduct</i>	-0.31	
			<i>For >40 SF, Deduct</i>	-0.94	
			<i>For Galvanized, Add</i>	3.14	
			<i>For Aluminum, Add</i>	3.77	
			<i>For 304 Stainless Steel, Add</i>	15.07	
			<i>For 316 Stainless Steel, Add</i>	17.27	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.37	4.56
			<i>For Up To 2 SF Panel, Add</i>	3.89	
			<i>For >2 To 6 SF Panel, Add</i>	2.25	
			<i>For >15 To 40 SF, Deduct</i>	-0.36	
			<i>For >40 SF, Deduct</i>	-1.09	
			<i>For Galvanized, Add</i>	3.65	
			<i>For Aluminum, Add</i>	4.37	
			<i>For 304 Stainless Steel, Add</i>	17.50	
			<i>For 316 Stainless Steel, Add</i>	20.05	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	15.04	4.98
			<i>For Up To 2 SF Panel, Add</i>	4.34	
			<i>For >2 To 6 SF Panel, Add</i>	2.50	
			<i>For >15 To 40 SF, Deduct</i>	-0.42	
			<i>For >40 SF, Deduct</i>	-1.26	
			<i>For Galvanized, Add</i>	4.20	
			<i>For Aluminum, Add</i>	5.04	
			<i>For 304 Stainless Steel, Add</i>	20.16	
			<i>For 316 Stainless Steel, Add</i>	23.10	



	Metals	05
	Metal Fabrications	05 50
	Metal Specialties	05 59

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	17.19	5.54
For Up To 2 SF Panel, Add	4.91	
For >2 To 6 SF Panel, Add	2.83	
For >15 To 40 SF, Deduct	-0.49	
For >40 SF, Deduct	-1.47	
For Galvanized, Add	4.91	
For Aluminum, Add	5.89	
For 304 Stainless Steel, Add	23.54	
For 316 Stainless Steel, Add	26.98	
05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	9.15	3.42
For Up To 2 SF Panel, Add	2.74	
For >2 To 6 SF Panel, Add	1.60	
For >15 To 40 SF, Deduct	-0.23	
For >40 SF, Deduct	-0.69	
For Galvanized, Add	2.30	
For Aluminum, Add	2.75	
For 304 Stainless Steel, Add	11.02	
For 316 Stainless Steel, Add	12.62	
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.79	3.56
For Up To 2 SF Panel, Add	2.91	
For >2 To 6 SF Panel, Add	1.69	
For >15 To 40 SF, Deduct	-0.25	
For >40 SF, Deduct	-0.76	
For Galvanized, Add	2.52	
For Aluminum, Add	3.02	
For 304 Stainless Steel, Add	12.10	
For 316 Stainless Steel, Add	13.86	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.19	3.71
For Up To 2 SF Panel, Add	3.03	
For >2 To 6 SF Panel, Add	1.76	
For >15 To 40 SF, Deduct	-0.26	
For >40 SF, Deduct	-0.78	
For Galvanized, Add	2.62	
For Aluminum, Add	3.14	
For 304 Stainless Steel, Add	12.55	
For 316 Stainless Steel, Add	14.38	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	10.88	3.77
For Up To 2 SF Panel, Add	3.18	
For >2 To 6 SF Panel, Add	1.84	
For >15 To 40 SF, Deduct	-0.29	
For >40 SF, Deduct	-0.88	
For Galvanized, Add	2.93	
For Aluminum, Add	3.51	
For 304 Stainless Steel, Add	14.04	
For 316 Stainless Steel, Add	16.09	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	12.12	4.25
For Up To 2 SF Panel, Add	3.56	
For >2 To 6 SF Panel, Add	2.06	
For >15 To 40 SF, Deduct	-0.32	
For >40 SF, Deduct	-0.97	
For Galvanized, Add	3.22	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.46	
For 316 Stainless Steel, Add	17.71	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	13.59	4.76
For Up To 2 SF Panel, Add	3.99	
For >2 To 6 SF Panel, Add	2.31	
For >15 To 40 SF, Deduct	-0.36	
For >40 SF, Deduct	-1.09	
For Galvanized, Add	3.62	
For Aluminum, Add	4.34	
For 304 Stainless Steel, Add	17.38	
For 316 Stainless Steel, Add	19.91	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	15.51	5.28
For Up To 2 SF Panel, Add	4.51	
For >2 To 6 SF Panel, Add	2.61	
For >15 To 40 SF, Deduct	-0.42	
For >40 SF, Deduct	-1.27	
For Galvanized, Add	4.23	
For Aluminum, Add	5.08	
For 304 Stainless Steel, Add	20.30	
For 316 Stainless Steel, Add	23.27	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	17.42	5.78
For Up To 2 SF Panel, Add	5.02	
For >2 To 6 SF Panel, Add	2.90	
For >15 To 40 SF, Deduct	-0.49	
For >40 SF, Deduct	-1.46	
For Galvanized, Add	4.86	
For Aluminum, Add	5.83	
For 304 Stainless Steel, Add	23.33	
For 316 Stainless Steel, Add	26.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	19.84	6.39
			<i>For Up To 2 SF Panel, Add</i>	5.67	
			<i>For >2 To 6 SF Panel, Add</i>	3.26	
			<i>For >15 To 40 SF, Deduct</i>	-0.57	
			<i>For >40 SF, Deduct</i>	-1.70	
			<i>For Galvanized, Add</i>	5.66	
			<i>For Aluminum, Add</i>	6.79	
			<i>For 304 Stainless Steel, Add</i>	27.17	
			<i>For 316 Stainless Steel, Add</i>	31.13	
05 59 69 00-0050			3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	9.25	3.42
			<i>For Up To 2 SF Panel, Add</i>	2.76	
			<i>For >2 To 6 SF Panel, Add</i>	1.61	
			<i>For >15 To 40 SF, Deduct</i>	-0.24	
			<i>For >40 SF, Deduct</i>	-0.71	
			<i>For Galvanized, Add</i>	2.35	
			<i>For Aluminum, Add</i>	2.82	
			<i>For 304 Stainless Steel, Add</i>	11.28	
			<i>For 316 Stainless Steel, Add</i>	12.93	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	10.33	3.84
			<i>For Up To 2 SF Panel, Add</i>	3.09	
			<i>For >2 To 6 SF Panel, Add</i>	1.80	
			<i>For >15 To 40 SF, Deduct</i>	-0.26	
			<i>For >40 SF, Deduct</i>	-0.78	
			<i>For Galvanized, Add</i>	2.62	
			<i>For Aluminum, Add</i>	3.14	
			<i>For 304 Stainless Steel, Add</i>	12.55	
			<i>For 316 Stainless Steel, Add</i>	14.38	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	11.46	4.33
			<i>For Up To 2 SF Panel, Add</i>	3.45	
			<i>For >2 To 6 SF Panel, Add</i>	2.01	
			<i>For >15 To 40 SF, Deduct</i>	-0.28	
			<i>For >40 SF, Deduct</i>	-0.85	
			<i>For Galvanized, Add</i>	2.85	
			<i>For Aluminum, Add</i>	3.41	
			<i>For 304 Stainless Steel, Add</i>	13.66	
			<i>For 316 Stainless Steel, Add</i>	15.65	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	12.37	4.61
			<i>For Up To 2 SF Panel, Add</i>	3.70	
			<i>For >2 To 6 SF Panel, Add</i>	2.16	
			<i>For >15 To 40 SF, Deduct</i>	-0.31	
			<i>For >40 SF, Deduct</i>	-0.93	
			<i>For Galvanized, Add</i>	3.11	
			<i>For Aluminum, Add</i>	3.73	
			<i>For 304 Stainless Steel, Add</i>	14.93	
			<i>For 316 Stainless Steel, Add</i>	17.11	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	14.29	5.19
			<i>For Up To 2 SF Panel, Add</i>	4.24	
			<i>For >2 To 6 SF Panel, Add</i>	2.47	
			<i>For >15 To 40 SF, Deduct</i>	-0.37	
			<i>For >40 SF, Deduct</i>	-1.10	
			<i>For Galvanized, Add</i>	3.68	
			<i>For Aluminum, Add</i>	4.42	
			<i>For 304 Stainless Steel, Add</i>	17.66	
			<i>For 316 Stainless Steel, Add</i>	20.24	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	16.40	5.80
			<i>For Up To 2 SF Panel, Add</i>	4.83	
			<i>For >2 To 6 SF Panel, Add</i>	2.80	
			<i>For >15 To 40 SF, Deduct</i>	-0.43	
			<i>For >40 SF, Deduct</i>	-1.30	
			<i>For Galvanized, Add</i>	4.33	
			<i>For Aluminum, Add</i>	5.20	
			<i>For 304 Stainless Steel, Add</i>	20.78	
			<i>For 316 Stainless Steel, Add</i>	23.82	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	18.64	6.41
			<i>For Up To 2 SF Panel, Add</i>	5.44	
			<i>For >2 To 6 SF Panel, Add</i>	3.15	
			<i>For >15 To 40 SF, Deduct</i>	-0.50	
			<i>For >40 SF, Deduct</i>	-1.51	
			<i>For Galvanized, Add</i>	5.04	
			<i>For Aluminum, Add</i>	6.05	
			<i>For 304 Stainless Steel, Add</i>	24.19	
			<i>For 316 Stainless Steel, Add</i>	27.72	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	20.84	6.98
			<i>For Up To 2 SF Panel, Add</i>	6.03	
			<i>For >2 To 6 SF Panel, Add</i>	3.48	
			<i>For >15 To 40 SF, Deduct</i>	-0.58	
			<i>For >40 SF, Deduct</i>	-1.73	
			<i>For Galvanized, Add</i>	5.77	
			<i>For Aluminum, Add</i>	6.92	
			<i>For 304 Stainless Steel, Add</i>	27.70	
			<i>For 316 Stainless Steel, Add</i>	31.74	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0059 SF 0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	23.71	7.71
For Up To 2 SF Panel, Add	6.80	
For >2 To 6 SF Panel, Add	3.91	
For >15 To 40 SF, Deduct	-0.67	
For >40 SF, Deduct	-2.01	
For Galvanized, Add	6.72	
For Aluminum, Add	8.06	
For 304 Stainless Steel, Add	32.23	
For 316 Stainless Steel, Add	36.93	
05 59 69 00-0060 1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0061 SF 0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	9.68	3.65
For Up To 2 SF Panel, Add	2.91	
For >2 To 6 SF Panel, Add	1.70	
For >15 To 40 SF, Deduct	-0.24	
For >40 SF, Deduct	-0.72	
For Galvanized, Add	2.41	
For Aluminum, Add	2.89	
For 304 Stainless Steel, Add	11.54	
For 316 Stainless Steel, Add	13.23	
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.36	4.44
For Up To 2 SF Panel, Add	3.46	
For >2 To 6 SF Panel, Add	2.03	
For >15 To 40 SF, Deduct	-0.27	
For >40 SF, Deduct	-0.81	
For Galvanized, Add	2.72	
For Aluminum, Add	3.26	
For 304 Stainless Steel, Add	13.03	
For 316 Stainless Steel, Add	14.93	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	13.71	5.25
For Up To 2 SF Panel, Add	4.14	
For >2 To 6 SF Panel, Add	2.42	
For >15 To 40 SF, Deduct	-0.34	
For >40 SF, Deduct	-1.01	
For Galvanized, Add	3.35	
For Aluminum, Add	4.02	
For 304 Stainless Steel, Add	16.08	
For 316 Stainless Steel, Add	18.43	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	15.78	5.90
For Up To 2 SF Panel, Add	4.73	
For >2 To 6 SF Panel, Add	2.76	
For >15 To 40 SF, Deduct	-0.40	
For >40 SF, Deduct	-1.19	
For Galvanized, Add	3.96	
For Aluminum, Add	4.75	
For 304 Stainless Steel, Add	18.98	
For 316 Stainless Steel, Add	21.75	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	18.08	6.58
For Up To 2 SF Panel, Add	5.37	
For >2 To 6 SF Panel, Add	3.13	
For >15 To 40 SF, Deduct	-0.47	
For >40 SF, Deduct	-1.40	
For Galvanized, Add	4.65	
For Aluminum, Add	5.58	
For 304 Stainless Steel, Add	22.32	
For 316 Stainless Steel, Add	25.58	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	20.69	7.34
For Up To 2 SF Panel, Add	6.09	
For >2 To 6 SF Panel, Add	3.54	
For >15 To 40 SF, Deduct	-0.55	
For >40 SF, Deduct	-1.64	
For Galvanized, Add	5.46	
For Aluminum, Add	6.55	
For 304 Stainless Steel, Add	26.18	
For 316 Stainless Steel, Add	30.00	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	23.37	8.06
For Up To 2 SF Panel, Add	6.82	
For >2 To 6 SF Panel, Add	3.95	
For >15 To 40 SF, Deduct	-0.63	
For >40 SF, Deduct	-1.89	
For Galvanized, Add	6.31	
For Aluminum, Add	7.57	
For 304 Stainless Steel, Add	30.29	
For 316 Stainless Steel, Add	34.71	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	26.06	8.75
For Up To 2 SF Panel, Add	7.54	
For >2 To 6 SF Panel, Add	4.36	
For >15 To 40 SF, Deduct	-0.72	
For >40 SF, Deduct	-2.16	
For Galvanized, Add	7.20	
For Aluminum, Add	8.64	
For 304 Stainless Steel, Add	34.56	
For 316 Stainless Steel, Add	39.60	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	27.22	9.62
For Up To 2 SF Panel, Add	8.01	
For >2 To 6 SF Panel, Add	4.65	
For >15 To 40 SF, Deduct	-0.72	
For >40 SF, Deduct	-2.16	
For Galvanized, Add	7.20	
For Aluminum, Add	8.64	
For 304 Stainless Steel, Add	34.56	
For 316 Stainless Steel, Add	39.60	
05 59 69 00-0070 Expanded Metal Panels (05 59 69)		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels (05 59 69 00-0070)		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.35	3.15
For Galvanized, Add	2.08	
For Aluminum, Add	2.49	
For 304 Stainless Steel, Add	9.96	
For 316 Stainless Steel, Add	11.41	
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	10.47	3.45
For Galvanized, Add	2.93	
For Aluminum, Add	3.52	
For 304 Stainless Steel, Add	14.06	
For 316 Stainless Steel, Add	16.12	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	6.02	2.44
For Galvanized, Add	1.39	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.67	
For 316 Stainless Steel, Add	7.65	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	6.58	2.65
For Galvanized, Add	1.53	
For Aluminum, Add	1.83	
For 304 Stainless Steel, Add	7.32	
For 316 Stainless Steel, Add	8.39	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.46	3.15
For Galvanized, Add	1.63	
For Aluminum, Add	1.96	
For 304 Stainless Steel, Add	7.82	
For 316 Stainless Steel, Add	8.97	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	9.56	4.07
For Galvanized, Add	2.07	
For Aluminum, Add	2.48	
For 304 Stainless Steel, Add	9.94	
For 316 Stainless Steel, Add	11.39	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.27	2.40
For Galvanized, Add	1.04	
For Aluminum, Add	1.25	
For 304 Stainless Steel, Add	4.99	
For 316 Stainless Steel, Add	5.72	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	5.90	2.57
For Galvanized, Add	1.24	
For Aluminum, Add	1.49	
For 304 Stainless Steel, Add	5.95	
For 316 Stainless Steel, Add	6.82	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	6.73	2.88
For Galvanized, Add	1.45	
For Aluminum, Add	1.73	
For 304 Stainless Steel, Add	6.94	
For 316 Stainless Steel, Add	7.95	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	10.63	4.76
For Galvanized, Add	2.14	
For Aluminum, Add	2.57	
For 304 Stainless Steel, Add	10.27	
For 316 Stainless Steel, Add	11.77	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	5.91	2.92
For Galvanized, Add	1.01	
For Aluminum, Add	1.21	
For 304 Stainless Steel, Add	4.82	
For 316 Stainless Steel, Add	5.53	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.08	2.30
For Galvanized, Add	1.01	
For Aluminum, Add	1.21	
For 304 Stainless Steel, Add	4.85	
For 316 Stainless Steel, Add	5.56	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	5.87	2.71
For Galvanized, Add	1.14	
For Aluminum, Add	1.37	
For 304 Stainless Steel, Add	5.47	
For 316 Stainless Steel, Add	6.27	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	9.07	3.65
For Galvanized, Add	2.10	
For Aluminum, Add	2.52	
For 304 Stainless Steel, Add	10.08	
For 316 Stainless Steel, Add	11.55	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs (05 70)

05 71 13 Fabricated Metal Spiral Stairs (05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units (05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread (05 71 13 00-0001)

05 71 13 00-0003	VLF 3'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	258.24		41.65
		122.47		
05 71 13 00-0004	VLF 4' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	293.02		45.81
		140.98		
05 71 13 00-0005	VLF 4'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	323.71		49.97
		156.64		
05 71 13 00-0006	VLF 5' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	347.30		54.14
		167.32		

05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 00 00-0001 Railings; Vertical Square Bars At 6" (05 73)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 00 00-0002	LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i> <i>For Galvanized, Add</i>	63.17		9.16
		8.38		
		17.88		
		1.97		
		1.58		
		1.05		
		0.53		
		11.73		
		3.68		
05 73 00 00-0003	LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	79.85		12.49
		11.06		
		21.28		
		2.18		
		1.74		
		1.16		
		0.58		
		15.19		
05 73 00 00-0004	LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	190.68		20.82
		20.94		
		66.17		
		8.80		
		7.04		
		4.70		
		2.35		
		20.82		
05 73 00 00-0005	LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High..... <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	205.49		16.65
		21.27		
		74.93		
		10.34		
		8.27		
		5.51		
		2.76		
		19.41		
05 73 00 00-0006	LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	142.25		25.40
		15.18		
		50.60		
		6.86		
		5.49		
		3.66		
		1.83		
		15.20		

05 73 00 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73)

05 73 00 00-0008	LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	162.32		4.16
		12.40		
		71.55		
		11.06		
		8.85		
		5.90		
		2.95		
		6.20		

05 73 00 00-0009 Plain Handrails (05 73)

05 73 00 00-0010	LF 2" Brass Handrail.....	34.19		9.21
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05 Metals**05 70 Decorative Metal****05 73 Decorative Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 00 00-0011	EA		90 Degree Angle For 2" Brass Handrail.....	82.77	33.05
05 73 00 00-0012	EA		End Cap For 2" Brass Handrail.....	39.19	16.57
05 73 00 00-0013	EA		Brass Bracket And Joint For 2" Brass Handrail.....	63.49	33.05
05 73 00 00-0014	LF		2" Stainless Steel Handrail.....	61.74	16.75
05 73 00 00-0015			Restoration Of Existing Metal Handrail And Railing (05 73)		
			Note: Task include rust removal by grinding, cleaning, surface prep and one coat of protective primer.		
05 73 00 00-0016	LF		Refinish Metal Handrail.....	8.28	
05 73 00 00-0017	LF		Refinish Wrought Iron Balustrade.....	8.24	
05 73 00 00-0018			Remove And Reinstall Ornamental Railing (05 73)		
05 73 00 00-0019	LF		Remove And Reinstall Ornamental Handrail And Pickets.....	76.62	
05 75			Decorative Formed Metal (05 70)		
05 75 00 00-0001			Metal Sheets, Installed On Walls (05 75)		
			Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
05 75 00 00-0002			Copper Sheets, Installed On Walls (05 75 00 00-0001)		
			Note: Includes field fabrication.		
05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	17.52	1.83
			For >16 To 200 SF, Deduct	-1.06	
			For >200 To 500 SF, Deduct	-2.12	
			For >500 SF, Deduct	-2.99	
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	21.35	2.03
			For >16 To 200 SF, Deduct	-1.27	
			For >200 To 500 SF, Deduct	-2.54	
			For >500 SF, Deduct	-3.61	
05 75 00 00-0005	SF		0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	23.31	2.20
			For >16 To 200 SF, Deduct	-1.39	
			For >200 To 500 SF, Deduct	-2.77	
			For >500 SF, Deduct	-3.94	
05 75 00 00-0006	SF		0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	25.04	2.31
			For >16 To 200 SF, Deduct	-1.48	
			For >200 To 500 SF, Deduct	-2.97	
			For >500 SF, Deduct	-4.22	
05 75 00 00-0007	SF		0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	28.11	2.41
			For >16 To 200 SF, Deduct	-1.65	
			For >200 To 500 SF, Deduct	-3.29	
			For >500 SF, Deduct	-4.70	
05 75 00 00-0008	SF		0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	34.51	2.52
			For >16 To 200 SF, Deduct	-1.98	
			For >200 To 500 SF, Deduct	-3.96	
			For >500 SF, Deduct	-5.68	
05 75 00 00-0009	SF		0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	39.78	2.64
			For >16 To 200 SF, Deduct	-2.25	
			For >200 To 500 SF, Deduct	-4.51	
			For >500 SF, Deduct	-6.50	
05 75 00 00-0010	SF		0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	47.46	2.86
			For >16 To 200 SF, Deduct	-2.66	
			For >200 To 500 SF, Deduct	-5.32	
			For >500 SF, Deduct	-7.69	
05 75 00 00-0011	SF		0.08" Thick Copper Sheet, Installed On Walls.....	57.41	3.08
			For >16 To 200 SF, Deduct	-3.18	
			For >200 To 500 SF, Deduct	-6.36	
			For >500 SF, Deduct	-9.23	
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls	81.79	3.30
			For >16 To 200 SF, Deduct	-4.42	
			For >200 To 500 SF, Deduct	-8.84	
			For >500 SF, Deduct	-12.93	
05 75 00 00-0013			Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)		
			Note: Includes field fabrication.		
05 75 00 00-0014	SF		0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	16.76	2.80
			For 316 Stainless Steel, Add	1.67	
			For >16 To 200 SF, Deduct	-1.12	
			For >200 To 500 SF, Deduct	-2.24	
			For >500 SF, Deduct	-3.07	
05 75 00 00-0015	SF		0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	18.61	3.01
			For 316 Stainless Steel, Add	1.97	
			For >16 To 200 SF, Deduct	-1.23	
			For >200 To 500 SF, Deduct	-2.46	
			For >500 SF, Deduct	-3.39	
05 75 00 00-0016	SF		0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	20.27	3.23
			For 316 Stainless Steel, Add	2.21	
			For >16 To 200 SF, Deduct	-1.34	
			For >200 To 500 SF, Deduct	-2.67	
			For >500 SF, Deduct	-3.69	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0017 SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	23.98	3.65
<i>For 316 Stainless Steel, Add</i>	2.81	
<i>For >16 To 200 SF, Deduct</i>	-1.56	
<i>For >200 To 500 SF, Deduct</i>	-3.13	
<i>For >500 SF, Deduct</i>	-4.33	
05 75 00 00-0018 SF 0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	27.63	4.09
<i>For 316 Stainless Steel, Add</i>	3.38	
<i>For >16 To 200 SF, Deduct</i>	-1.79	
<i>For >200 To 500 SF, Deduct</i>	-3.58	
<i>For >500 SF, Deduct</i>	-4.96	
05 75 00 00-0019 SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	32.69	4.73
<i>For 316 Stainless Steel, Add</i>	4.13	
<i>For >16 To 200 SF, Deduct</i>	-2.11	
<i>For >200 To 500 SF, Deduct</i>	-4.22	
<i>For >500 SF, Deduct</i>	-5.85	
05 75 00 00-0020 SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	42.27	5.16
<i>For 316 Stainless Steel, Add</i>	6.49	
<i>For >16 To 200 SF, Deduct</i>	-2.63	
<i>For >200 To 500 SF, Deduct</i>	-5.26	
<i>For >500 SF, Deduct</i>	-7.37	
05 75 00 00-0021 SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	53.88	5.60
<i>For 316 Stainless Steel, Add</i>	9.45	
<i>For >16 To 200 SF, Deduct</i>	-3.25	
<i>For >200 To 500 SF, Deduct</i>	-6.51	
<i>For >500 SF, Deduct</i>	-9.20	
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	68.54	6.03
<i>For 316 Stainless Steel, Add</i>	13.33	
<i>For >16 To 200 SF, Deduct</i>	-4.03	
<i>For >200 To 500 SF, Deduct</i>	-8.06	
<i>For >500 SF, Deduct</i>	-11.49	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	106.13	6.45
<i>For 316 Stainless Steel, Add</i>	24.09	
<i>For >16 To 200 SF, Deduct</i>	-5.95	
<i>For >200 To 500 SF, Deduct</i>	-11.90	
<i>For >500 SF, Deduct</i>	-17.21	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	134.08	7.53
<i>For 316 Stainless Steel, Add</i>	31.19	
<i>For >16 To 200 SF, Deduct</i>	-7.46	
<i>For >200 To 500 SF, Deduct</i>	-14.91	
<i>For >500 SF, Deduct</i>	-21.62	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	9.80	1.83
<i>For >16 To 200 SF, Deduct</i>	-0.67	
<i>For >200 To 500 SF, Deduct</i>	-1.35	
<i>For >500 SF, Deduct</i>	-1.84	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	11.05	2.03
<i>For >16 To 200 SF, Deduct</i>	-0.76	
<i>For >200 To 500 SF, Deduct</i>	-1.51	
<i>For >500 SF, Deduct</i>	-2.06	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	12.20	2.20
<i>For >16 To 200 SF, Deduct</i>	-0.83	
<i>For >200 To 500 SF, Deduct</i>	-1.66	
<i>For >500 SF, Deduct</i>	-2.27	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	13.33	2.31
<i>For >16 To 200 SF, Deduct</i>	-0.90	
<i>For >200 To 500 SF, Deduct</i>	-1.80	
<i>For >500 SF, Deduct</i>	-2.46	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	14.42	2.41
<i>For >16 To 200 SF, Deduct</i>	-0.96	
<i>For >200 To 500 SF, Deduct</i>	-1.93	
<i>For >500 SF, Deduct</i>	-2.65	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	15.62	2.52
<i>For >16 To 200 SF, Deduct</i>	-1.03	
<i>For >200 To 500 SF, Deduct</i>	-2.07	
<i>For >500 SF, Deduct</i>	-2.85	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	17.06	2.64
<i>For >16 To 200 SF, Deduct</i>	-1.12	
<i>For >200 To 500 SF, Deduct</i>	-2.23	
<i>For >500 SF, Deduct</i>	-3.09	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	20.18	3.08
<i>For >16 To 200 SF, Deduct</i>	-1.32	
<i>For >200 To 500 SF, Deduct</i>	-2.63	
<i>For >500 SF, Deduct</i>	-3.64	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.90	2.09
<i>For >16 To 200 SF, Deduct</i>	-0.75	
<i>For >200 To 500 SF, Deduct</i>	-1.51	
<i>For >500 SF, Deduct</i>	-2.05	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0036	SF		0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.59	2.20
			<i>For >16 To 200 SF, Deduct</i>	-0.80	
			<i>For >200 To 500 SF, Deduct</i>	-1.60	
			<i>For >500 SF, Deduct</i>	-2.18	
05 75 00 00-0037	SF		0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.10	2.31
			<i>For >16 To 200 SF, Deduct</i>	-0.84	
			<i>For >200 To 500 SF, Deduct</i>	-1.67	
			<i>For >500 SF, Deduct</i>	-2.28	
05 75 00 00-0038	SF		0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.79	2.41
			<i>For >16 To 200 SF, Deduct</i>	-0.88	
			<i>For >200 To 500 SF, Deduct</i>	-1.76	
			<i>For >500 SF, Deduct</i>	-2.40	
05 75 00 00-0039	SF		0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.69	2.52
			<i>For >16 To 200 SF, Deduct</i>	-0.94	
			<i>For >200 To 500 SF, Deduct</i>	-1.87	
			<i>For >500 SF, Deduct</i>	-2.56	
05 75 00 00-0040	SF		0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.66	2.64
			<i>For >16 To 200 SF, Deduct</i>	-1.00	
			<i>For >200 To 500 SF, Deduct</i>	-1.99	
			<i>For >500 SF, Deduct</i>	-2.73	
05 75 00 00-0041	SF		0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.58	2.86
			<i>For >16 To 200 SF, Deduct</i>	-1.11	
			<i>For >200 To 500 SF, Deduct</i>	-2.23	
			<i>For >500 SF, Deduct</i>	-3.06	
05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.77	3.08
			<i>For >16 To 200 SF, Deduct</i>	-1.25	
			<i>For >200 To 500 SF, Deduct</i>	-2.49	
			<i>For >500 SF, Deduct</i>	-3.43	
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.62	3.30
			<i>For >16 To 200 SF, Deduct</i>	-1.36	
			<i>For >200 To 500 SF, Deduct</i>	-2.72	
			<i>For >500 SF, Deduct</i>	-3.75	
05 75 00 00-0044			Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	8.34	1.62
			<i>For >16 To 200 SF, Deduct</i>	-0.58	
			<i>For >200 To 500 SF, Deduct</i>	-1.16	
			<i>For >500 SF, Deduct</i>	-1.57	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	9.58	1.83
			<i>For >16 To 200 SF, Deduct</i>	-0.66	
			<i>For >200 To 500 SF, Deduct</i>	-1.32	
			<i>For >500 SF, Deduct</i>	-1.80	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	10.79	2.03
			<i>For >16 To 200 SF, Deduct</i>	-0.74	
			<i>For >200 To 500 SF, Deduct</i>	-1.49	
			<i>For >500 SF, Deduct</i>	-2.03	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.83	2.20
			<i>For >16 To 200 SF, Deduct</i>	-0.81	
			<i>For >200 To 500 SF, Deduct</i>	-1.62	
			<i>For >500 SF, Deduct</i>	-2.21	

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing ^(07 01)

07 01 50 19 Preparation For Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	19.27
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	32.11

07 05 Common Work Results For Thermal And Moisture Protection ⁽⁰⁷⁾

07 05 13 Small Quantities And Repairs For Roofing ^(07 05)

07 05 13 00-0001 Small Quantity Labor Set-Up Charge ^(07 05 13)

Note: For use with all roofing tasks where the total roof quantity is 4 squares or less. This adjustment is to allow for minimum charge for labor. Excludes material cost or labor to install material.

07 05 13 00-0002	EA	Labor Crew Up-Charge For 1 SQ Or Less.....	883.08
07 05 13 00-0003	EA	Labor Crew Up-Charge For >1 To 2 SQ.....	660.72
07 05 13 00-0004	EA	Labor Crew Up-Charge For >2 To 3 SQ.....	441.54
07 05 13 00-0005	EA	Labor Crew Up-Charge For >3 To 4 SQ.....	220.24

07 05 13 00-0006 Roof Repair ^(07 05 13)

Note: Less than 100 SF area.

07 05 13 00-0007	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	17.25
07 05 13 00-0008	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF.....	15.52
07 05 13 00-0009	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF.....	14.15
07 05 13 00-0010	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF.....	13.16
07 05 13 00-0011	SF	Roof Repair, Membrane Roofing, Up To 10 SF.....	19.67
07 05 13 00-0012	SF	Roof Repair, Membrane Roofing, >10 To 25 SF.....	17.94
07 05 13 00-0013	SF	Roof Repair, Membrane Roofing, >25 To 50 SF.....	16.57
07 05 13 00-0014	SF	Roof Repair, Membrane Roofing, >50 To 100 SF.....	15.58
07 05 13 00-0015	SF	Roof Repair, Shingle Roofing, Up To 10 SF.....	14.84
07 05 13 00-0016	SF	Roof Repair, Shingle Roofing, >10 To 25 SF.....	13.35
07 05 13 00-0017	SF	Roof Repair, Shingle Roofing, >25 To 50 SF.....	12.22
07 05 13 00-0018	SF	Roof Repair, Shingle Roofing, >50 To 100 SF.....	11.47
07 05 13 00-0019	LF	Heat Weld Roofing Seams For Repair.....	4.89

07 05 13 00-0020 Emergency Roof Patch ^(07 05 13)

Note: 4 Hour response time.

07 05 13 00-0021	EA	Granule Emergency Roof Patch Cover 16 SF.....	70.44
07 05 13 00-0022	EA	Mobilize For Emergency Roof Patching.....	293.42

07 05 13 00-0023 Adhesives ^(07 05 13)

Note: For repair of seams.

07 05 13 00-0024 Mastic Sealer ^(07 05 13 00-0023)

07 05 13 00-0025 Applied At Joints Only ^(07 05 13 00-0024)

07 05 13 00-0026	LF	Mastic Sealer, 1/4" Bead At Joint.....	2.94
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1.25

07 10 Dampproofing And Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing ^(07 10)

07 11 13 Bituminous Dampproofing ^(07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray.....	105.06
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray.....	163.84

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	178.86
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	274.71

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 11 Dampproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	85.22	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On	157.22	
07 11 19 Sheet Dampproofing (07 11)		
07 11 19 00-0001 Neoprene (07 11 19)		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF)	24.41	
07 13 Sheet Waterproofing (07 10)		
07 13 13 Bituminous Sheet Waterproofing (07 13)		
07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	194.34	76.77
<i>For 30 LB Felt, Add</i>	30.59	
<i>For Application To Horizontal Surfaces, Deduct</i>	-23.03	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	236.92	86.37
<i>For 30 LB Felt, Add</i>	48.14	
<i>For Application To Horizontal Surfaces, Deduct</i>	-25.91	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	279.50	95.96
<i>For 30 LB Felt, Add</i>	65.68	
<i>For Application To Horizontal Surfaces, Deduct</i>	-28.79	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	322.09	105.56
<i>For 30 LB Felt, Add</i>	83.22	
<i>For Application To Horizontal Surfaces, Deduct</i>	-31.67	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	364.68	115.16
<i>For 30 LB Felt, Add</i>	100.77	
<i>For Application To Horizontal Surfaces, Deduct</i>	-34.55	
07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board	179.80	70.75
<i>For Application To Horizontal Surfaces, Deduct</i>	-23.60	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board	248.32	73.47
<i>For Application To Horizontal Surfaces, Deduct</i>	-24.49	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board	330.99	76.56
<i>For Application To Horizontal Surfaces, Deduct</i>	-25.51	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board	372.42	79.64
<i>For Application To Horizontal Surfaces, Deduct</i>	-26.55	
07 13 53 Elastomeric Sheet Waterproofing (07 13)		
07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	5.21	0.73
<i>For Floor Surfaces, Deduct</i>	-0.74	
07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	361.95	102.86
<i>For Application To Horizontal Surfaces, Deduct</i>	-30.85	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	434.07	102.86
<i>For Application To Horizontal Surfaces, Deduct</i>	-30.85	
07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing	71.87	25.71
<i>For Joint Taping, Add</i>	9.52	
<i>For Each Additional Ply, Add</i>	52.89	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing	86.54	25.71
<i>For Joint Taping, Add</i>	10.25	
<i>For Each Additional Ply, Add</i>	63.16	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon	80.25	25.71
<i>For Joint Taping, Add</i>	9.94	
<i>For Each Additional Ply, Add</i>	58.75	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon	89.68	25.71
<i>For Joint Taping, Add</i>	10.41	
<i>For Each Additional Ply, Add</i>	65.35	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing	128.50	25.71
<i>For Joint Taping, Add</i>	12.35	
<i>For Each Additional Ply, Add</i>	92.53	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing	190.93	25.71
<i>For Joint Taping, Add</i>	15.47	
<i>For Each Additional Ply, Add</i>	136.23	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon	135.01	25.71
<i>For Joint Taping, Add</i>	12.68	
<i>For Each Additional Ply, Add</i>	97.08	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon	201.34	25.71
<i>For Joint Taping, Add</i>	15.99	
<i>For Each Additional Ply, Add</i>	143.52	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.87	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier	25.55	10.64
<i>For Joint Taping, Add</i>	6.69	
<i>For Each Additional Ply, Add</i>	20.24	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.53	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier	26.45	10.64
<i>For Joint Taping, Add</i>	6.74	
<i>For Each Additional Ply, Add</i>	20.87	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.53	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier	29.12	10.64
<i>For Joint Taping, Add</i>	6.87	
<i>For Each Additional Ply, Add</i>	22.74	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.53	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite	98.62	10.64
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Joint Taping, Add</i>	10.95	
<i>For Each Additional Ply, Add</i>	71.65	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.93	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	38.87	11.78
<i>For Joint Taping, Add</i>	7.36	
<i>For Each Additional Ply, Add</i>	29.56	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.53	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	50.90	12.21
<i>For Joint Taping, Add</i>	8.17	
<i>For Each Additional Ply, Add</i>	38.07	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.67	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	67.07	12.64
<i>For Joint Taping, Add</i>	9.17	
<i>For Each Additional Ply, Add</i>	49.48	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.79	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints.....	30.06	10.90
07 14 Fluid-Applied Waterproofing (07 14)		
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.49	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.15	
<i>For Reinforcing Fabric, Add</i>	0.31	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.72	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.15	
<i>For Reinforcing Fabric, Add</i>	0.31	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	2.83	
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.31	
07 14 16 00-0003 SF 90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.31	
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.33	

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 16 00-0004 SF 120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	3.82 -0.35	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat	1.79	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	2.83	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF Fluid Neoprene, 1/8" Fiberglass Reinforced <i>For Application To Horizontal Surfaces, Deduct</i>	322.52 -37.47	
07 14 16 00-0011 CSF Fluid Neoprene, 50 Mil, 4 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	734.25 -73.51	
07 14 16 00-0012 CSF Fluid Neoprene, 90 Mil, 4 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	1,223.10 -110.21	
07 16 Cementitious And Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products.	3.41	
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	3.99	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19) Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) <i>For Application To Horizontal Surfaces, Deduct</i>	341.22 -44.94	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	319.41 -25.33	84.42
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	287.96 -27.41	89.19
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	405.84 -27.90	93.02
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled <i>For Application To Horizontal Surfaces, Deduct</i>	326.71 -23.20	77.37
07 19 Water Repellents (07 10)		
07 19 13 Acrylic Sealer (07 19) Note: Per coat.		
07 19 13 00-0001 SF Acrylic Sealer, Spray On Concrete	1.59	
07 19 13 00-0002 SF Acrylic Sealer, Spray On Concrete Block/Brick.....	1.90	
07 19 13 00-0003 SF Acrylic Sealer, Spray On Stone.....	2.09	
07 19 19 Penetrating Water Repellents (07 19) Note: Per coat.		
07 19 19 00-0001 SF Penetrating Water Repellent, Spray On Concrete	1.75	
07 19 19 00-0002 SF Penetrating Water Repellent, Spray On Concrete Block/Brick.....	2.18	
07 20 Thermal Protection (07)		
07 21 Thermal Insulation (07 20)		
07 21 13 Board Insulation (07 21) Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.		
07 21 13 13 Foam Board Insulation (07 21 13)		
07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0002 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation.....	2.34	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 13-0003 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.24	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 13-0004 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation.....	3.84	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 13-0005 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	5.04	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation <small>(07 21 13 13)</small>		
07 21 13 13-0007 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.07	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0008 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.12	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
07 21 13 13-0009 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.28	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 13-0010 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.42	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 13-0011 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.00	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 13-0012 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.58	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 13-0013 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.17	0.32
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 21 13 13-0014 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.75	0.33
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.38	
07 21 13 13-0015 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.34	0.34
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.46	
07 21 13 13-0016 Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13)</small>		
Note: 15 PSI compressive strength.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0017 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation.....	1.20	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
<i>For 25 PSI Compressive Strength, Add</i>	0.11	
<i>For 40 PSI Compressive Strength, Add</i>	0.27	
<i>For 60 PSI Compressive Strength, Add</i>	0.44	
<i>For 115 PSI Compressive Strength, Add</i>	1.87	
07 21 13 13-0018 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.39	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.20	
<i>For 25 PSI Compressive Strength, Add</i>	0.14	
<i>For 40 PSI Compressive Strength, Add</i>	0.34	
<i>For 60 PSI Compressive Strength, Add</i>	0.55	
<i>For 115 PSI Compressive Strength, Add</i>	2.36	
07 21 13 13-0019 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.55	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For 40 PSI Compressive Strength, Add</i>	0.40	
<i>For 60 PSI Compressive Strength, Add</i>	0.63	
<i>For 115 PSI Compressive Strength, Add</i>	2.75	
07 21 13 13-0020 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.63	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
<i>For 40 PSI Compressive Strength, Add</i>	0.43	
<i>For 60 PSI Compressive Strength, Add</i>	0.68	
<i>For 115 PSI Compressive Strength, Add</i>	2.95	
07 21 13 13-0021 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation.....	2.42	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
<i>For 25 PSI Compressive Strength, Add</i>	0.31	
<i>For 40 PSI Compressive Strength, Add</i>	0.73	
<i>For 60 PSI Compressive Strength, Add</i>	1.13	
<i>For 115 PSI Compressive Strength, Add</i>	4.96	
07 21 13 13-0022 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation.....	3.21	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For 40 PSI Compressive Strength, Add</i>	1.02	
<i>For 60 PSI Compressive Strength, Add</i>	1.59	
<i>For 115 PSI Compressive Strength, Add</i>	6.97	
07 21 13 13-0023 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation.....	3.62	0.32
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.17	
<i>For 60 PSI Compressive Strength, Add</i>	1.81	
<i>For 115 PSI Compressive Strength, Add</i>	7.97	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.55	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.09	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	



Thermal And Moisture Protection		07
Thermal Protection		07 20
Thermal Insulation		07 21

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0003 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.27	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 21 13 16-0004 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.97	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0006 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.68	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 16-0007 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	2.99	0.30
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 16-0008 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	3.67	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 16-0009 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.21	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.26	
07 21 13 16-0010 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	4.32	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 19 Mineral Board Insulation (07 21 13)		
07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.19	0.34
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.07	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 19-0003 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.41	0.36
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 19-0004 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.62	0.37
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.09	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 21 13 19-0005 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	2.02	0.41
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0006 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.41	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 21 13 19-0007 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	1.22	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 21 16 Blanket Insulation (07 21)		
Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.		
07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)		
Note: Rolls or batts.		
07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003 SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.23	0.42
07 21 16 00-0004 SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.31	0.42
07 21 16 00-0005 SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.34	0.42
07 21 16 00-0006 SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.70	0.42
07 21 16 00-0007 SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.44	0.42
07 21 16 00-0008 SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.21	0.52
07 21 16 00-0009 SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.33	0.52
07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011 SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.18	0.42
07 21 16 00-0012 SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.27	0.42
07 21 16 00-0013 SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.63	0.42
07 21 16 00-0014 SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.64	0.42
07 21 16 00-0015 SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.39	0.42
07 21 16 00-0016 SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.10	0.52
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.26	0.52
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.38	0.42
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.52	0.42
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.63	0.42
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.42	0.52
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	2.59	0.52
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.26	0.42
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.34	0.42
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.75	0.42
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.45	0.42
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.21	0.52
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	2.26	0.52
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.35	0.42
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	1.74	0.42
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	2.70	0.42
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	3.04	0.42
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.27	0.42
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	1.61	0.42
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	2.46	0.42
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation.....	2.75	0.42
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch Natural Cotton Insulation (07 21 16 00-0042)		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch Natural Cotton Insulation.....	1.78	0.42
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch Natural Cotton Insulation.....	2.00	0.42
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch Natural Cotton Insulation.....	2.21	0.42



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 21	16 00-0047	SF	8", R-30 UltraTouch Natural Cotton Insulation.....	2.98	0.42
07 21 19 Foamed-In-Place Insulation (07 21)						
07 21 19 00-0001 Foam Sprayed On Insulation (07 21 19)						
	07 21	19 00-0002	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	0.96	
	07 21	19 00-0003	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.59	
	07 21	19 00-0004	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.24	
	07 21	19 00-0005	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.86	
	07 21	19 00-0006	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.50	
	07 21	19 00-0007	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.13	
	07 21	19 00-0008	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	1.85	
	07 21	19 00-0009	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.86	
	07 21	19 00-0010	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.89	
	07 21	19 00-0011	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.92	
	07 21	19 00-0012	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.94	
	07 21	19 00-0013	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	6.97	
07 21 23 Loose-Fill Insulation (07 21)						
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)						
	07 21	23 00-0002	CF	R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	6.02	2.42
	07 21	23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	6.37	2.42
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)						
	07 21	23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	7.93	2.42
	07 21	23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	7.87	2.42
07 21 26 Blown Insulation (07 21)						
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)						
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)						
	07 21	26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.27	1.02
	07 21	26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.60	1.22
	07 21	26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.76	1.32
	07 21	26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.03	1.42
	07 21	26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.31	1.53
	07 21	26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	2.50	1.63
	07 21	26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.55	1.63
	07 21	26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.66	1.63
	07 21	26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.91	1.63
	07 21	26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.92	1.63
07 21 26 00-0013 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)						
	07 21	26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.72	1.02
	07 21	26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.26	1.22
	07 21	26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.66	1.32
	07 21	26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	3.14	1.42
07 21 26 00-0018 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)						
	Note: Includes drilling. Excludes patching.					
	07 21	26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.64	1.02
	07 21	26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	2.19	1.22
	07 21	26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.58	1.32
	07 21	26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	3.06	1.42
07 21 26 00-0023 Cellulose Blown-In Insulation (07 21 26)						
07 21 26 00-0024 Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)						
	07 21	26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.29	1.02
	07 21	26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.53	1.12
	07 21	26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.71	1.22
	07 21	26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	1.97	1.32
	07 21	26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.01	1.32
	07 21	26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.32	1.42
	07 21	26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.38	1.42
	07 21	26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.77	1.53
	07 21	26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.13	1.63
07 21 26 00-0034 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)						
	07 21	26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.68	1.02
	07 21	26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	2.21	1.22

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0037 SF 7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.58	1.32
07 21 26 00-0038 SF 9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.04	1.42
07 21 26 00-0039 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023) Note: Includes drilling. Excludes patching.		
07 21 26 00-0040 SF 3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.60	1.02
07 21 26 00-0041 SF 5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.13	1.22
07 21 26 00-0042 SF 7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.50	1.32
07 21 26 00-0043 SF 9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	2.96	1.42
07 21 29 Sprayed Insulation (07 21)		
07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002 SF 1" Spray, R2.7 Perlite Insulation	1.84	0.54
07 21 29 00-0003 SF 1" Spray, R3.7 Fibrous/Cementitious Insulation.....	1.35	0.54
07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005 SF 1" Thick - Cellulose Spray-on Insulation	2.60	0.54
07 21 53 Reflective Insulation (07 21)		
07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.82	
07 22 Roof And Deck Insulation (07 20)		
07 22 16 Roof Board Insulation (07 22) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)		
07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.42	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Gypsum, Add	0.30	
07 22 16 00-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.65	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.16	
For Mechanically Fastened To Gypsum, Add	0.31	
07 22 16 00-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.88	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.33	
07 22 16 00-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.30	
For Hot-Mopped, Deduct	-0.13	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.23	
For Mechanically Fastened To Gypsum, Add	0.36	
07 22 16 00-0007 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.71	
For Hot-Mopped, Deduct	-0.13	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.26	
For Mechanically Fastened To Gypsum, Add	0.41	
07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.53	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.33	
07 22 16 00-0010 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.81	
For Hot-Mopped, Deduct	-0.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.33	
07 22 16 00-0011 Perlite, Roof Board Insulation (07 22 16 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0012 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation.....	1.37	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0013 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation.....	1.51	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0014 SF 1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.67	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0015 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	2.06	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0016 SF 2" Thick, R5.56, Perlite, Roof Board Insulation.....	2.31	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0017 Basalt Rock Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018 SF 1" Thick, R3.5, Basalt Rock Wool, Roof Board Insulation.....	1.88	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0019 SF 2" Thick, R7.4, Basalt Rock Wool, Roof Board Insulation.....	2.51	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0020 SF 3" Thick, R11.1, Basalt Rock Wool, Roof Board Insulation.....	3.25	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.35	
07 22 16 00-0021 Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation.....	3.44	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 22 16 00-0023 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation.....	4.05	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0024 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation.....	5.26	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.35	
07 22 16 00-0025 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation.....	6.46	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
07 22 16 00-0026 Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS).....	1.40	
<i>For Loose-Laid, Deduct</i>	-0.74	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0028 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS).....	1.45	
<i>For Loose-Laid, Deduct</i>	-0.74	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0029	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.61	
			<i>For Loose-Laid, Deduct</i>	-0.75	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0030	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.75	
			<i>For Loose-Laid, Deduct</i>	-0.75	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0031	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.34	
			<i>For Loose-Laid, Deduct</i>	-0.76	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0032	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.93	
			<i>For Loose-Laid, Deduct</i>	-0.77	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 22 16 00-0033	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.53	
			<i>For Loose-Laid, Deduct</i>	-0.78	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.45	
07 22 16 00-0034	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.13	
			<i>For Loose-Laid, Deduct</i>	-0.80	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.38	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.51	
07 22 16 00-0035	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.73	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.59	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.59	
07 22 16 00-0036			Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0001)</small>		
			Note: 15 PSI compressive strength.		
07 22 16 00-0037	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.75	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For 40 PSI Compressive Strength, Add</i>	0.40	
			<i>For 60 PSI Compressive Strength, Add</i>	0.64	
			<i>For 115 PSI Compressive Strength, Add</i>	2.77	
07 22 16 00-0038	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.83	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
			<i>For 40 PSI Compressive Strength, Add</i>	0.43	
			<i>For 60 PSI Compressive Strength, Add</i>	0.69	
			<i>For 115 PSI Compressive Strength, Add</i>	2.97	
07 22 16 00-0039	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.22	
			<i>For Loose-Laid, Deduct</i>	-0.68	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
			<i>For 40 PSI Compressive Strength, Add</i>	0.58	
			<i>For 60 PSI Compressive Strength, Add</i>	0.92	
			<i>For 100 PSI Compressive Strength, Add</i>	1.18	
			<i>For 115 PSI Compressive Strength, Add</i>	3.98	
07 22 16 00-0040	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.63	
			<i>For Loose-Laid, Deduct</i>	-0.69	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.73	
			<i>For 60 PSI Compressive Strength, Add</i>	1.14	
			<i>For 115 PSI Compressive Strength, Add</i>	4.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation.....	3.02	
For Loose-Laid, Deduct	-0.69	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.33	
For 25 PSI Compressive Strength, Add	0.37	
For 40 PSI Compressive Strength, Add	0.87	
For 60 PSI Compressive Strength, Add	1.37	
For 100 PSI Compressive Strength, Add	1.76	
For 115 PSI Compressive Strength, Add	5.98	
07 22 16 00-0042 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation.....	3.43	
For Loose-Laid, Deduct	-0.70	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.35	
For 25 PSI Compressive Strength, Add	0.43	
For 40 PSI Compressive Strength, Add	1.02	
For 60 PSI Compressive Strength, Add	1.60	
For 115 PSI Compressive Strength, Add	6.99	
07 22 16 00-0043 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation.....	3.83	
For Loose-Laid, Deduct	-0.71	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	0.01	
For Mechanically Fastened To Concrete, Add	0.26	
For Mechanically Fastened To Gypsum, Add	0.40	
For 25 PSI Compressive Strength, Add	0.49	
For 40 PSI Compressive Strength, Add	1.17	
For 60 PSI Compressive Strength, Add	1.82	
For 115 PSI Compressive Strength, Add	7.99	
07 22 16 00-0044 Polyisocyanurate Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0045 SF 3/4" Thick, R5.1, Polyisocyanurate, Roof Board Insulation.....	1.58	
For Loose-Laid, Deduct	-0.68	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.12	
For Mechanically Fastened To Gypsum, Add	0.27	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0046 SF 1" Thick, R7.14, Polyisocyanurate, Roof Board Insulation.....	1.63	
For Loose-Laid, Deduct	-0.68	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.12	
For Mechanically Fastened To Gypsum, Add	0.27	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0047 SF 1-1/2" Thick, R10.87, Polyisocyanurate, Roof Board Insulation.....	1.72	
For Loose-Laid, Deduct	-0.69	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.14	
For Mechanically Fastened To Gypsum, Add	0.27	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0048 SF 2" Thick, R14.29, Polyisocyanurate, Roof Board Insulation.....	1.95	
For Loose-Laid, Deduct	-0.69	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.09	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Gypsum, Add	0.30	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.12	
07 22 16 00-0049 SF 2-1/2" Thick, R16.67, Polyisocyanurate, Roof Board Insulation.....	2.18	
For Loose-Laid, Deduct	-0.70	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.33	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0050 SF 3" Thick, R21.74, Polyisocyanurate, Roof Board Insulation.....	2.41	
For Loose-Laid, Deduct	-0.70	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.19	
For Mechanically Fastened To Gypsum, Add	0.35	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.17	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0051	SF		3-1/2" Thick, R25, Polyisocyanurate, Roof Board Insulation.....	2.66	
			<i>For Loose-Laid, Deduct</i>	-0.71	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0052	SF		4" Thick, R28.8, Polyisocyanurate, Roof Board Insulation.....	2.88	
			<i>For Loose-Laid, Deduct</i>	-0.71	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0053			High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0054	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation.....	1.78	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0055			Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0056	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.70	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0057	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.79	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0058	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.85	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0059	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum).....	1.89	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0060			Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0061	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat).....	1.67	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0062	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat).....	1.81	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0063	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat).....	1.84	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0064			Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0001)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0065	SF		1.5" Thick, R6.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	2.82	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.40	
07 22 16 00-0066	SF		2" Thick, R9.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	2.95	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 22 16 00-0067	SF		2.5" Thick, R12.7, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0068 SF 3" Thick, R15.9, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.26	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.31	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0069 SF 3.5" Thick, R19.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.52	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.37	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.48	
07 22 16 00-0070 SF 4" Thick, R22.3, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.63	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.38	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.52	
07 22 16 00-0071 SF 4.5" Thick, R25.6, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.83	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.47	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.60	
07 22 16 00-0072 Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0001)</small>		
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0073 SF 2.5" Thick, R6.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.84	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.29	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.43	
07 22 16 00-0074 SF 3" Thick, R9.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.08	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.30	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.46	
07 22 16 00-0075 SF 3.5" Thick, R12.1, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.37	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.36	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0076 SF 4" Thick, R15.3, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.55	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.37	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.51	
07 22 16 00-0077 SF 4.5" Thick, R18.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.79	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.43	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.56	
07 22 16 00-0078 SF 5" Thick, R21.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.04	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.44	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.57	
07 22 16 00-0079 SF 5.5" Thick, R25.0, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.51	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.68	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.68	
07 22 16 00-0080 Rigid Board Tapered Roofing Insulation <small>(07 22 16)</small>		
Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0081 Tapered Polyisocyanurate Board <small>(07 22 16 00-0080)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0082 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0083 SF 2.25" Average Thickness (13.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	2.83	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.65	
07 22 16 00-0084 SF 2.75" Average Thickness (16.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.04	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0085 SF 3.25" Average Thickness (19.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 22 Roof And Deck Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0086 SF 3.75" Average Thickness (22.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.65	
For 25 PSI Compressive Strength, Add	0.26	
For Hot-Mopped, Deduct	-0.24	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.52	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0087 SF 4.25" Average Thickness (25.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.95	
For 25 PSI Compressive Strength, Add	0.29	
For Hot-Mopped, Deduct	-0.24	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.52	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0088 SF 4.75" Average Thickness (28.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.16	
For 25 PSI Compressive Strength, Add	0.32	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0089 SF 5.25" Average Thickness (31.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.46	
For 25 PSI Compressive Strength, Add	0.35	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0090 SF 5.75" Average Thickness (34.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.76	
For 25 PSI Compressive Strength, Add	0.38	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0091 SF 6.25" Average Thickness (37.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.06	
For 25 PSI Compressive Strength, Add	0.41	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0092 SF 6.75" Average Thickness (40.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	8.28	
For 25 PSI Compressive Strength, Add	0.44	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.35	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.37	
07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>	2.68	
07 22 16 00-0094 SF 2" Average Thickness (12 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.68	
For 25 PSI Compressive Strength, Add	0.16	
For Hot-Mopped, Deduct	-0.12	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.23	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.65	
07 22 16 00-0095 SF 3" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.19	
For 25 PSI Compressive Strength, Add	0.22	
For Hot-Mopped, Deduct	-0.24	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.11	
07 22 16 00-0096 SF 4" Average Thickness (24 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.80	
For 25 PSI Compressive Strength, Add	0.28	
For Hot-Mopped, Deduct	-0.24	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.52	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0097 SF 5" Average Thickness (30 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.31	
For 25 PSI Compressive Strength, Add	0.34	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0098 SF 6" Average Thickness (36 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.91	
For 25 PSI Compressive Strength, Add	0.40	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0099 SF 7" Average Thickness (42 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	8.43	
For 25 PSI Compressive Strength, Add	0.46	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.35	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.37	
07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0101 SF 3.5" Average Thickness (21 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	4.50	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	
07 22 16 00-0102 SF 5.5" Average Thickness (33 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	6.61	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0103 SF 7.5" Average Thickness (45 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	8.73	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0104 SF 9.5" Average Thickness (57 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	10.86	
<i>For 25 PSI Compressive Strength, Add</i>	0.61	
<i>For Hot-Mopped, Deduct</i>	-0.57	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.86	
07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0107 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.49	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.65	
07 22 16 00-0108 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.71	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0109 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.94	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	
07 22 16 00-0110 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.16	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0111 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.39	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0112 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.60	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0113 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.83	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0114 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.06	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	
07 22 16 00-0115 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.28	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	
07 22 16 00-0116 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	7.50	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.38	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.65	
07 22 16 00-0119 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.82	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0120 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.28	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0121 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.72	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0122 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.17	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0123 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	7.61	
For Mechanically Fastened To Wood Or Steel, Add	0.35	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.37	
07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	4.05	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.13	
07 22 16 00-0126 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	5.94	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0127 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	7.84	
For Mechanically Fastened To Wood Or Steel, Add	0.35	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.37	
07 22 16 00-0128 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	9.97	
For Mechanically Fastened To Wood Or Steel, Add	0.67	
For Mechanically Fastened To Concrete, Add	1.86	
07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0131 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	2.76	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.23	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.65	
07 22 16 00-0132 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	3.98	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.11	
07 22 16 00-0133 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.26	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.13	
07 22 16 00-0134 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.55	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.52	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0135 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.84	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.52	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0136 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.05	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0137 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.67	
07 22 16 00-0138 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.62	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0139 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.91	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.75	
07 22 16 00-0140 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS).....	8.12	
For Mechanically Fastened To Wood Or Steel, Add	0.35	
For Mechanically Fastened To Concrete, Add	1.31	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.37	
07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0142 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS).....	2.62	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.23	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0143 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0144 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.69	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0145 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.19	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0146 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.77	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	
07 22 16 00-0147 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.27	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0149 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.41	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	
07 22 16 00-0150 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.48	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0151 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	8.55	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0152 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	10.63	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.86	
07 22 16 00-0153 Tapered Perlite Board <small>(07 22 16 00-0080)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0154 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0155 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.70	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.65	
07 22 16 00-0156 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.72	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0157 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.24	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	
07 22 16 00-0158 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.67	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0159 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.18	
<i>For Hot-Mopped, Deduct</i>	-0.24	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0160 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.19	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0161 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.71	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0162 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.14	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0163	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.65	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	
07 22 16 00-0164	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.67	
			<i>For Hot-Mopped, Deduct</i>	-0.46	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0165			1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0166	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.45	
			<i>For Hot-Mopped, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.23	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.65	
07 22 16 00-0167	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	4.98	
			<i>For Hot-Mopped, Deduct</i>	-0.24	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.11	
07 22 16 00-0168	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.93	
			<i>For Hot-Mopped, Deduct</i>	-0.24	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.52	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0169	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	7.45	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0170	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.40	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.75	
07 22 16 00-0171	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	9.93	
			<i>For Hot-Mopped, Deduct</i>	-0.46	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0172			1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0173	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.49	
			<i>For Hot-Mopped, Deduct</i>	-0.24	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.13	
07 22 16 00-0174	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	7.96	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0175	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	10.44	
			<i>For Hot-Mopped, Deduct</i>	-0.46	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.37	
07 22 16 00-0176	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	12.92	
			<i>For Hot-Mopped, Deduct</i>	-0.57	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.86	
07 22 16 00-0177			Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>		
			Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 22 16 00-0178	SF		Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.42	
07 22 16 00-0179	SF		Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.43	
07 22 16 00-0180	SF		Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.44	
07 22 16 00-0181	SF		Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.45	
07 22 16 00-0182	SF		Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.46	
07 22 16 00-0183	SF		Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.47	
07 22 16 00-0184	SF		Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.49	
07 22 16 00-0185	SF		Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.50	
07 22 16 00-0186	SF		Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.51	
07 22 16 00-0187	SF		Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.52	
07 22 16 00-0188	SF		Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.53	
07 22 16 00-0189	SF		Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.55	
07 22 16 00-0190	SF		Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 25 Weather Barriers ⁽⁰⁷⁾

07 26 Vapor Retarders ^(07 25)

07 26 13 Above-Grade Vapor Retarders ^(07 26)

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	21.69	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex".....	20.56	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute".....	24.17	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute".....	29.48	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing.....	30.43	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	66.05	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape.....	92.39	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape.....	128.64	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape.....	172.94	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	56.82	

07 27 Air Barriers ^(07 25)

07 27 23 Board Product Air Barriers ^(07 27)

07 27 23 00-0001 Barriers For Plenums ^(07 27 23)

07 27 23 00-0002	SF 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	8.61	2.62
	For Up To 50, Add	3.34	
	For >50 To 200, Add	1.89	
	For >200 To 500, Add	0.69	
	For >2,500, Deduct	-0.43	
07 27 23 00-0003	SF 0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	9.32	2.62
	For Up To 50, Add	3.65	
	For >50 To 200, Add	2.06	
	For >200 To 500, Add	0.75	
	For >2,500, Deduct	-0.47	
07 27 23 00-0004	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	3.59	1.74
	For Up To 50, Add	1.81	
	For >50 To 200, Add	0.99	
	For >200 To 500, Add	0.34	
	For >2,500, Deduct	-0.18	
07 27 23 00-0005	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	6.51	2.62
	For Up To 50, Add	3.22	
	For >50 To 200, Add	1.78	
	For >200 To 500, Add	0.61	
	For >2,500, Deduct	-0.33	
07 27 23 00-0006	SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	4.71	1.74
	For Up To 50, Add	1.97	
	For >50 To 200, Add	1.11	
	For >200 To 500, Add	0.39	
	For >2,500, Deduct	-0.24	
07 27 23 00-0007	SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	6.36	1.74
	For Up To 50, Add	2.12	
	For >50 To 200, Add	1.22	
	For >200 To 500, Add	0.46	
	For >2,500, Deduct	-0.32	

07 40 Roofing And Siding Panels ⁽⁰⁷⁾

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels ^(07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels ^(07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing ^(07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing ^(07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels ^(07 41 13 00-0002)

07 41 13 00-0004	SF 18 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	6.76	0.86
	For Fluoropolymer (Kynar) Coating, Add	0.64	
	For Steep Roof, Over 7 To 12, Add	1.23	
07 41 13 00-0005	SF 20 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	6.24	0.86
	For Fluoropolymer (Kynar) Coating, Add	0.64	
	For Steep Roof, Over 7 To 12, Add	1.23	
07 41 13 00-0006	SF 22 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.88	0.86
	For Fluoropolymer (Kynar) Coating, Add	0.64	
	For Steep Roof, Over 7 To 12, Add	1.23	
07 41 13 00-0007	SF 24 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.52	0.86
	For Fluoropolymer (Kynar) Coating, Add	0.64	
	For Steep Roof, Over 7 To 12, Add	1.23	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0008 SF 26 Gauge Galvanized Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.23 0.64 1.23	0.86
07 41 13 00-0009 SF 29 Gauge Galvanized Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.97 0.64 1.23	0.86
07 41 13 00-0010 SF 30 Gauge Galvanized Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.87 0.64 1.23	0.86
07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002) See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	32.15 4.87 1.69	3.83
07 41 13 00-0013 LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	25.25 4.87 1.00	3.83
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	38.81 4.87 2.36	3.83
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	32.75 4.87 1.75	3.83
07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)		
07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)		
07 41 13 00-0018 SF 0.0155" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.72 0.64 1.23	0.86
07 41 13 00-0019 SF 0.018" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.86 0.64 1.23	0.86
07 41 13 00-0020 SF 0.024" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.21 0.64 1.23	0.86
07 41 13 00-0021 SF 0.032" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.67 0.64 1.23	0.86
07 41 13 00-0022 SF 0.040" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.13 0.64 1.23	0.86
07 41 13 00-0023 SF 0.050" Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.70 0.64 1.23	0.86
07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025 LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	30.59 3.06 2.10	3.83
07 41 13 00-0026 LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	21.97 3.06 1.24	3.83
07 41 13 00-0027 LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	38.91 3.06 2.93	3.83
07 41 13 00-0028 LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	31.35 3.06 2.18	3.83
07 41 13 00-0029 Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVC finish.		
07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0032 SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.79	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.58	
<i>For 140 MPH Wind Load, Add</i>	0.66	
<i>For Up To 1,500, Add</i>	3.20	
<i>For >1,500 To 5,000, Add</i>	1.92	
<i>For >5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0033 SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.52	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.61	
<i>For 140 MPH Wind Load, Add</i>	0.68	
<i>For Up To 1,500, Add</i>	3.38	
<i>For >1,500 To 5,000, Add</i>	2.03	
<i>For >5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0034 SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.15	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.55	
<i>For 140 MPH Wind Load, Add</i>	0.65	
<i>For Up To 1,500, Add</i>	3.04	
<i>For >1,500 To 5,000, Add</i>	1.82	
<i>For >5,000 To 10,000, Add</i>	0.30	
07 41 13 00-0035 SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.40	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.56	
<i>For 140 MPH Wind Load, Add</i>	0.65	
<i>For Up To 1,500, Add</i>	3.10	
<i>For >1,500 To 5,000, Add</i>	1.86	
<i>For >5,000 To 10,000, Add</i>	0.31	
07 41 13 00-0036 SF Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.69	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.57	
<i>For 140 MPH Wind Load, Add</i>	0.66	
<i>For Up To 1,500, Add</i>	3.17	
<i>For >1,500 To 5,000, Add</i>	1.90	
<i>For >5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0037 SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.75	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.63	
<i>For 140 MPH Wind Load, Add</i>	0.68	
<i>For Up To 1,500, Add</i>	3.44	
<i>For >1,500 To 5,000, Add</i>	2.06	
<i>For >5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039 LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	33.84	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
<i>For 140 MPH Wind Load, Add</i>	1.89	
07 41 13 00-0040 LF Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	26.26	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
<i>For 140 MPH Wind Load, Add</i>	1.74	
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	41.16	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
<i>For 140 MPH Wind Load, Add</i>	2.04	
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	34.51	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
<i>For 140 MPH Wind Load, Add</i>	1.91	
07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.30	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.60	
<i>For 140 MPH Wind Load, Add</i>	0.67	
<i>For Up To 1,500, Add</i>	3.33	
<i>For >1,500 To 5,000, Add</i>	2.00	
<i>For >5,000 To 10,000, Add</i>	0.33	
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	13.92	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.63	
<i>For 140 MPH Wind Load, Add</i>	0.68	
<i>For Up To 1,500, Add</i>	3.48	
<i>For >1,500 To 5,000, Add</i>	2.09	
<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	12.95	2.02
<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
<i>For Panels <16" Wide, Add</i>	1.59	
<i>For 140 MPH Wind Load, Add</i>	0.66	
<i>For Up To 1,500, Add</i>	3.24	
<i>For >1,500 To 5,000, Add</i>	1.94	
<i>For >5,000 To 10,000, Add</i>	0.32	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.08	2.02
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.52	
			<i>For Panels <16" Wide, Add</i>	1.64	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Up To 1,500, Add</i>	3.52	
			<i>For >1,500 To 5,000, Add</i>	2.11	
			<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	38.33	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	1.98	
07 41 13 00-0051	LF		Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing	28.85	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	1.79	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	47.48	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	2.17	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	39.17	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	2.00	
07 41 13 00-0054			Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	32.77	3.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
			<i>For Panels <16" Wide, Add</i>	3.04	
			<i>For 140 MPH Wind Load, Add</i>	1.26	
			<i>For Up To 1,500, Add</i>	8.19	
			<i>For >1,500 To 5,000, Add</i>	4.92	
			<i>For >5,000 To 10,000, Add</i>	0.82	
07 41 13 00-0057	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	39.06	3.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
			<i>For Panels <16" Wide, Add</i>	3.36	
			<i>For 140 MPH Wind Load, Add</i>	1.39	
			<i>For Up To 1,500, Add</i>	9.77	
			<i>For >1,500 To 5,000, Add</i>	5.86	
			<i>For >5,000 To 10,000, Add</i>	0.98	
07 41 13 00-0058			Accessories For Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0059	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	96.81	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	3.15	
07 41 13 00-0060	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	57.29	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	2.36	
07 41 13 00-0061	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	134.18	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	3.90	
07 41 13 00-0062	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	99.76	6.08
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.56	
			<i>For 140 MPH Wind Load, Add</i>	3.21	
07 41 13 00-0063			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0064			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0065	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	25.36	3.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
			<i>For Panels <16" Wide, Add</i>	2.67	
			<i>For 140 MPH Wind Load, Add</i>	1.12	
			<i>For Up To 1,500, Add</i>	6.34	
			<i>For >1,500 To 5,000, Add</i>	3.80	
			<i>For >5,000 To 10,000, Add</i>	0.63	
07 41 13 00-0066	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.14	3.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
			<i>For Panels <16" Wide, Add</i>	2.86	
			<i>For 140 MPH Wind Load, Add</i>	1.19	
			<i>For Up To 1,500, Add</i>	7.29	
			<i>For >1,500 To 5,000, Add</i>	4.37	
			<i>For >5,000 To 10,000, Add</i>	0.73	
07 41 13 00-0067	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	33.62	3.04
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
			<i>For Panels <16" Wide, Add</i>	3.09	
			<i>For 140 MPH Wind Load, Add</i>	1.28	
			<i>For Up To 1,500, Add</i>	8.41	
			<i>For >1,500 To 5,000, Add</i>	5.04	
			<i>For >5,000 To 10,000, Add</i>	0.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0068 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.36	3.04
<i>For Steep Roof, Over 6 To 12, Add</i>	2.28	
<i>For Panels <16" Wide, Add</i>	3.37	
<i>For 140 MPH Wind Load, Add</i>	1.40	
<i>For Up To 1,500, Add</i>	9.84	
<i>For >1,500 To 5,000, Add</i>	5.90	
<i>For >5,000 To 10,000, Add</i>	0.98	
07 41 13 00-0069 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0070 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	86.48	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	5.14	
<i>For 140 MPH Wind Load, Add</i>	3.10	
07 41 13 00-0071 LF Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	52.89	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	5.14	
<i>For 140 MPH Wind Load, Add</i>	2.43	
07 41 13 00-0072 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	118.24	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	5.14	
<i>For 140 MPH Wind Load, Add</i>	3.73	
07 41 13 00-0073 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	88.99	6.08
<i>For Steep Roof, Over 6 To 12, Add</i>	5.14	
<i>For 140 MPH Wind Load, Add</i>	3.15	
07 41 13 00-0074 Metal Roof Surfacing (07 41 13)		
07 41 13 00-0075 SF Acrylic, Metal Roof Primer, One Coat	0.29	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.05	
07 41 13 00-0076 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	0.41	
<i>Note: 55% solids by volume.</i>		
<i>For Steep Roof, Over 7 To 12, Add</i>	0.05	
07 41 33 Plastic Roof Panels (07 41)		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	3.89	1.47
07 41 33 00-0004 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	3.66	1.33
07 41 33 00-0005 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	3.99	1.47
07 41 33 00-0006 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	3.74	1.33
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim	2.48	1.10
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim	3.27	1.10
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket	3.50	1.10
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket	2.89	1.10
07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014 SF 8 Ounce Corrugated Fiberglass Panel	4.07	1.18
07 41 33 00-0015 SF 12 Ounce Corrugated Fiberglass Panel	4.63	1.18
07 42 Wall Panels (07 40)		
07 42 13 Metal Wall Panels (07 42)		
07 42 13 19 Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)		
<i>Note: Porcelain or polymer finish on aluminum panel with polystyrene core.</i>		
07 42 13 19-0002 SF 1" Insulated Panel For Sash Or Window Replacement	14.95	3.49
<i>For Non-Insulated Panels, Deduct</i>	-1.98	
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement	16.24	3.92
<i>For Non-Insulated Panels, Deduct</i>	-2.12	
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement	17.40	4.36
<i>For Non-Insulated Panels, Deduct</i>	-2.25	
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement	18.63	4.54
<i>For Non-Insulated Panels, Deduct</i>	-2.39	
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement	21.01	4.97
<i>For Non-Insulated Panels, Deduct</i>	-2.78	
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement	24.22	5.49
<i>For Non-Insulated Panels, Deduct</i>	-3.33	
07 42 13 23 Metal Composite Material Wall Panels (07 42 13)		

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 42 Wall Panels**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 42 13 23-0001	24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <small>(07 42 13 23)</small>		
	Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	14.55	2.20
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0003	SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	16.48	2.49
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0004	SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	18.14	2.82
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	
07 42 13 23-0005	SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels.....	20.55	3.73
	For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
	For Premium Exterior Colors, Add	0.12	

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001	Insulated Freezer And Chiller Panels <small>(07 42 63)</small>		
	Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002	Polyurethane Sandwich Panel <small>(07 42 63 00-0001)</small>		
	Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces	14.25	1.69
07 42 63 00-0004	SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces	15.03	1.69
07 42 63 00-0005	SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces	17.72	1.69
07 42 63 00-0006	SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces	19.13	1.79
07 42 63 00-0007	SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces	20.28	1.79
07 42 63 00-0008	SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	12.74	1.40
07 42 63 00-0009	SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.78	1.40
07 42 63 00-0010	SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.44	1.50
07 42 63 00-0011	SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.00	1.50
07 42 63 00-0012	SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	18.69	1.50

07 42 63 00-0013	Polyurethane Sandwich Panel <small>(07 42 63 00-0001)</small>		
	Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces	10.23	1.69
07 42 63 00-0015	SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.85	1.69
07 42 63 00-0016	SF 4" Freezer Panel 0.040" Aluminum Finish Both Faces	12.51	1.69
07 42 63 00-0017	SF 5" Freezer Panel 0.040" Aluminum Finish Both Faces	13.55	1.79
07 42 63 00-0018	SF 6" Freezer Panel 0.040" Aluminum Finish Both Faces	14.29	1.79
07 42 63 00-0019	SF 2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.13	1.40
07 42 63 00-0020	SF 3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.76	1.40
07 42 63 00-0021	SF 4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.44	1.50
07 42 63 00-0022	SF 5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.09	1.50
07 42 63 00-0023	SF 6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.11	1.50

07 46 Siding (07 40)**07 46 16 Aluminum Siding (07 46)**

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001	Aluminum Coil Stock Cladding <small>(07 46 16)</small>		
	Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF Aluminum Cladding, 0.016" Thick	8.51	3.45
07 46 16 00-0003	SF Aluminum Cladding, 0.019" Thick	8.55	3.45
07 46 16 00-0004	SF Aluminum Cladding, 0.024" Thick	8.62	3.45

07 46 16 00-0005 Aluminum Siding Panels For Structural Steel Framing (07 46 16)

Note: Includes fasteners.

07 46 16 00-0006	Corrugated <small>(07 46 16 00-0005)</small>		
07 46 16 00-0007	SF 0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	4.68	1.91
07 46 16 00-0008	SF 0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	4.80	1.91
07 46 16 00-0009	SF 0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	5.08	1.91
07 46 16 00-0010	SF 0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	5.56	1.91
07 46 16 00-0011	SF 0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	4.91	1.91
07 46 16 00-0012	SF 0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.02	1.91
07 46 16 00-0013	SF 0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.34	1.91
07 46 16 00-0014	SF 0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.97	1.91

07 46 16 00-0015 V- Beam (07 46 16 00-0005)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0016 SF 0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.58	1.91
07 46 16 00-0017 SF 0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.83	1.91
07 46 16 00-0018 SF 0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	6.15	1.91
07 46 16 00-0019 SF 0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	5.94	1.91
07 46 16 00-0020 SF 0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	6.37	1.91
07 46 16 00-0021 SF 0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	7.37	1.91
07 46 16 00-0022 Rib <small>(07 46 16 00-0005)</small>		
07 46 16 00-0023 SF 0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	5.90	1.91
07 46 16 00-0024 SF 0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	6.15	1.91
07 46 16 00-0025 SF 0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	6.48	1.91
07 46 16 00-0026 SF 0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.13	1.91
07 46 16 00-0027 SF 0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.54	1.91
07 46 16 00-0028 SF 0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.79	1.91
07 46 16 00-0029 Aluminum Soffit And Fascia <small>(07 46 16)</small>		
Note: Excludes J-channel.		
07 46 16 00-0030 LF 6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.21	1.22
<i>For 0.015" Thick, Deduct</i>		
	-0.05	
07 46 16 00-0031 LF 10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.83	1.29
<i>For 0.015" Thick, Deduct</i>		
	-0.09	
07 46 16 00-0032 LF 1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	4.14	1.32
<i>For 0.015" Thick, Deduct</i>		
	-0.11	
07 46 16 00-0033 LF 1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.03	1.39
<i>For 0.015" Thick, Deduct</i>		
	-0.16	
07 46 16 00-0034 LF 2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.06	1.52
<i>For 0.015" Thick, Deduct</i>		
	-0.20	
07 46 16 00-0035 LF 3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	7.86	1.68
<i>For 0.015" Thick, Deduct</i>		
	-0.31	
07 46 16 00-0036 LF 4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	9.70	1.85
<i>For 0.015" Thick, Deduct</i>		
	-0.42	
07 46 16 00-0037 LF 5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	11.58	2.03
<i>For 0.015" Thick, Deduct</i>		
	-0.53	
07 46 16 00-0038 LF 4" Exposure, 0.024" Thick, Aluminum Fascia.....	3.62	1.20
07 46 16 00-0039 LF 6" Exposure, 0.024" Thick, Aluminum Fascia.....	3.92	1.22
07 46 16 00-0040 LF 8" Exposure, 0.024" Thick, Aluminum Fascia.....	4.49	1.26
07 46 16 00-0041 LF 10" Exposure, 0.024" Thick, Aluminum Fascia.....	5.11	1.29
07 46 16 00-0042 Aluminum Siding Accessories <small>(07 46 16)</small>		
07 46 16 00-0043 LF 3/8" Pocket, Aluminum J-Channel.....	2.55	1.15
07 46 16 00-0044 LF 1/2" Pocket, Aluminum J-Channel.....	2.55	1.15
07 46 16 00-0045 LF 3/4" Pocket, Aluminum J-Channel.....	2.89	1.15
07 46 16 00-0046 LF 3/8" Pocket, Aluminum F-Channel.....	2.62	1.15
07 46 16 00-0047 LF 1/2" Pocket, Aluminum F-Channel.....	2.62	1.15
07 46 19 Steel Siding <small>(07 46)</small>		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001 Steel Siding Panels For Structural Steel Framing <small>(07 46 19)</small>		
Note: Included fasteners.		
07 46 19 00-0002 Corrugated, Painted <small>(07 46 19 00-0001)</small>		
Note: Factory applied.		
07 46 19 00-0003 SF 20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	7.63	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.95	
07 46 19 00-0004 SF 22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	7.12	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.82	
07 46 19 00-0005 SF 24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	6.99	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.79	
07 46 19 00-0006 SF 26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	5.50	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.42	
07 46 19 00-0007 SF 28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	5.39	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.39	
07 46 19 00-0008 SF 30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	5.32	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.37	
07 46 19 00-0009 Box Rib, Painted <small>(07 46 19 00-0001)</small>		
Note: Factory applied.		
07 46 19 00-0010 SF 20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	7.25	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.86	
07 46 19 00-0011 SF 22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	7.02	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.80	
07 46 19 00-0012 SF 24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	6.87	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.76	
07 46 19 00-0013 SF 26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	6.61	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.70	
07 46 19 00-0014 SF 28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners.....	6.07	1.91
<i>For Galvanized Instead Of Painted Steel, Add</i>		
	0.56	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0015			Steel Siding For Wood Frame <small>(07 46 19)</small> Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016	SF		Horizontal Clapboard	5.47	0.96
07 46 23			Wood Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			Wood Lap Siding <small>(07 46 23)</small>		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	2.99	1.22
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	3.28	1.30
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	3.58	1.40
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.15	1.22
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.42	1.22
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.00	1.22
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.23	1.22
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding	3.91	1.22
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.33	1.30
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic	3.33	1.30
07 46 23 00-0012			Tongue And Groove Siding <small>(07 46 23)</small>		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	2.97	1.22
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.21	1.22
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	3.03	1.22
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	3.71	1.22
07 46 29			Plywood Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			T-111 Siding <small>(07 46 29)</small>		
07 46 29 00-0002	SF		5/8" T-111 Fir, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.25	0.62
			<i>For Pressure Treated, Add</i>	0.18	
07 46 29 00-0003	SF		5/8" T-111 Cedar, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	2.22	0.62
			<i>For Pressure Treated, Add</i>	0.18	
07 46 33			Plastic Siding <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			Vinyl Siding <small>(07 46 33)</small> Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			Vinyl Siding Panels <small>(07 46 33 00-0001)</small> Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			Horizontal Vinyl Siding Panels <small>(07 46 33 00-0002)</small> Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.75	1.49
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.57	1.41
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.44	1.34
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.31	1.28
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.13	1.19
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0009			Vertical Vinyl Siding Panels <small>(07 46 33 00-0002)</small>		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	4.34	1.49
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0011			Vinyl Siding Accessories <small>(07 46 33 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0012 LF 3/4" Pocket, Outside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.79 0.08	1.15
07 46 33 00-0013 LF 1-1/8" Pocket, Outside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	6.38 0.20	1.15
07 46 33 00-0014 LF 3/4" Pocket, Inside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.34 0.05	1.15
07 46 33 00-0015 LF 1-1/8" Pocket, Inside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.83 0.08	1.15
07 46 33 00-0016 LF 3/8" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.53 0.02	1.15
07 46 33 00-0017 LF 1/2" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.49 0.02	1.15
07 46 33 00-0018 LF 5/8" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.50 0.02	1.15
07 46 33 00-0019 LF 3/4" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.53 0.02	1.15
07 46 33 00-0020 LF 1" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.75 0.02	1.15
07 46 33 00-0021 LF 1-1/4" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.77 0.02	1.15
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.48 0.08	1.15
07 46 33 00-0023 LF 1/2" Pocket, F-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.18 0.02	1.15
07 46 33 00-0024 LF 3/4" Pocket, 3-3/4" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.01 0.09	1.58
07 46 33 00-0025 LF 3/4" Pocket, 5" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.08 0.10	1.58
07 46 33 00-0026 LF 1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.01 0.09	1.58
07 46 33 00-0027 LF 3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.93 0.08	1.15
07 46 33 00-0028 LF Vinyl Starter Strip For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	3.56 0.06	1.15
07 46 33 00-0029 LF Undersill Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	2.72 0.02	1.15
07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001) Note: Excludes J-channel.		
07 46 33 00-0031 LF 6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.97 -0.10 -0.06 0.11 0.03	1.22
07 46 33 00-0032 LF 10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.42 -0.18 -0.11 0.19 0.04	1.29
07 46 33 00-0033 LF 1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	3.65 -0.23 -0.15 0.22 0.05	1.32
07 46 33 00-0034 LF 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	4.29 -0.35 -0.23 0.34 0.08	1.39
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.08 -0.45 -0.29 0.45 0.10	1.52
07 46 33 00-0036 LF 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	6.39 -0.70 -0.46 0.67 0.15	1.68
07 46 33 00-0037 LF 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	7.73 -0.92 -0.60 0.89 0.20	1.85
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	9.13 -1.17 -0.77 1.12 0.25	2.03
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	3.10 0.04	1.20
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	3.38 0.05	1.22

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	3.53 0.05	1.26
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	3.74 0.06	1.29
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels	4.65	1.76
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels	4.88	1.58
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels.....	5.31	1.58
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	4.50	1.58
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	4.88	1.58
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.00	1.85
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.76	1.76
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.65	1.71
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.54	1.67
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.34	1.58
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.13	1.49
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.09	0.44
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding	7.25	1.62
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	3.66	1.32
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.39	0.88
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board	3.00	0.96
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.56	1.06
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.64	1.23
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.50	0.88
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board	3.16	0.96
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.83	1.06
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board	4.06	1.23
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board	2.63	0.88
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board	3.39	0.96
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board	4.17	1.06
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board	5.51	1.23
07 46 46 00-0029			Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	4.68	1.74
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	5.77	1.94
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	6.36	1.94
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	8.34	2.27
07 46 46 00-0034			Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit	4.52	1.26
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	4.78	1.26
07 46 63			Fabricated Panel Assemblies With Siding (07 46)		
07 46 63 00-0001			Metal Liner Panels (07 46 63)		
07 46 63 00-0002			Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.84	1.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 63 00-0004 SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	7.37	1.67
07 46 63 00-0005 SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	8.32	1.67
07 46 63 00-0006 SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	8.41	1.67

07 50 Membrane Roofing (07)

Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)

07 51 13 Built-Up Asphalt Roofing (07 51)

07 51 13 00-0001 Built-Up Asphalt Roofing Components (07 51 13)

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	56.47
		<i>For Up To 10, Add</i>	10.31
		<i>For >10 To 25, Add</i>	7.82
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	138.08
		<i>For Up To 10, Add</i>	14.39
		<i>For >10 To 25, Add</i>	11.90

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	3.67
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07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	44.47
		<i>For Up To 10, Add</i>	9.71
		<i>For >10 To 25, Add</i>	7.22
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	46.80
		<i>For Up To 10, Add</i>	9.83
		<i>For >10 To 25, Add</i>	7.33
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	49.45
		<i>For Up To 10, Add</i>	9.96
		<i>For >10 To 25, Add</i>	7.46
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	78.77
		<i>For Up To 10, Add</i>	11.43
		<i>For >10 To 25, Add</i>	8.93
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	126.09
		<i>For Up To 10, Add</i>	13.79
		<i>For >10 To 25, Add</i>	11.30
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	99.09
		<i>For Up To 10, Add</i>	13.15
		<i>For >10 To 25, Add</i>	10.42

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	2.58
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07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	40.92
		<i>For Up To 10, Add</i>	5.79
		<i>For >10 To 25, Add</i>	4.54
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	72.89
		<i>For Up To 10, Add</i>	7.39
		<i>For >10 To 25, Add</i>	6.14
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	120.21
		<i>For Up To 10, Add</i>	9.75
		<i>For >10 To 25, Add</i>	8.50

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	2.97
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07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	55.02	
			For Up To 10, Add	10.24	
			For >10 To 25, Add	7.74	
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	61.02	
			For Up To 10, Add	10.54	
			For >10 To 25, Add	8.04	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	43.02	
			For Up To 10, Add	9.64	
			For >10 To 25, Add	7.14	
07 51 13 00-0032	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	49.02	
			For Up To 10, Add	9.94	
			For >10 To 25, Add	7.44	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	21.50	
			For Up To 10, Add	4.82	
			For >10 To 25, Add	3.57	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	27.50	
			For Up To 10, Add	5.12	
			For >10 To 25, Add	3.87	
07 51 13 00-0036			Surfacing (07 51 13 00-0001)		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	99.15	
			For Up To 10, Add	23.68	
			For >10 To 25, Add	17.44	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	134.46	
			For Up To 10, Add	25.45	
			For >10 To 25, Add	19.21	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness.....	112.87	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	28.51	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			For Up To 10, Add	3.90	
			For >10 To 25, Add	3.07	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	58.52	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			For Up To 10, Add	7.42	
			For >10 To 25, Add	5.92	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	52.68	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			For Up To 10, Add	7.13	
			For >10 To 25, Add	5.63	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	68.62	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			For Up To 10, Add	7.93	
			For >10 To 25, Add	6.43	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	69.14	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	7.95	
			For >10 To 25, Add	6.45	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	19.34	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	71.28	
			Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	8.06	
			For >10 To 25, Add	6.56	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	20.05	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....	1.35	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	2.71	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048			Walkway Pads (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF		5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	14.18	
07 51 13 00-0050	LF		1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	16.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0051				Cant And Tapered Edge Strips <small>(07 51 13 00-0001)</small>		
			LF	2" x 2" Perlite Cant Strip	2.61	
			LF	3" x 3" Perlite Cant Strip	2.67	
			LF	4" x 4" Perlite Cant Strip	2.94	
			LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	2.80	
			LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	2.90	
			LF	1/2" x 6" Perlite Tapered Edge Strip	2.93	
			LF	1/2" x 12" Perlite Tapered Edge Strip	3.24	
			LF	1" x 12" Perlite Tapered Edge Strip	3.33	
			LF	1" x 24" Perlite Tapered Edge Strip	3.66	
			LF	1-1/2" x 12" Perlite Tapered Edge Strip	3.63	
			LF	1-1/2" x 18" Perlite Tapered Edge Strip	4.22	
			LF	1-1/2" x 24" Perlite Tapered Edge Strip	4.65	
07 51 13 00-0064				Asphalt Primer <small>(07 51 13 00-0001)</small>		
			SQ	Asphalt Primer For Roofing Systems	22.83	
				Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0066				Demolish Built-Up Roofing <small>(07 51 13 00-0001)</small>		
				Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
			SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	264.17	
				For Up To 10, Add	65.53	
				For >10 To 25, Add	39.32	
			SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System	203.79	
				Note: Includes protective surfacing.		
				For Up To 10, Add	50.55	
				For >10 To 25, Add	30.33	
07 51 13 00-0069				Roofing System Warranty <small>(07 51 13 00-0001)</small>		
				Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
			EA	Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00	
			SQ	>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	5.00	
			EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00	
			SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	8.00	
			EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00	
			SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	11.00	
07 51 13 00-0076				Built-Up Roofing Components (Garland) <small>(07 51 13)</small>		
				Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077				Modified Cap Membranes <small>(07 51 13 00-0076)</small>		
07 51 13 00-0078				Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0077)</small>		
				Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
			SQ	Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	316.51	
			SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil	222.84	
			SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	275.17	
			SQ	Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials	285.84	
			SQ	Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	404.51	
			SQ	Stressply® EUV SPF Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil	445.84	
			SQ	Versiply® 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil	185.30	
				Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
			SQ	Versiply® Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil	235.17	
			SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil	181.84	
07 51 13 00-0088				Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0077)</small>		
				Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
			SQ	Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	280.84	
				Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0090				Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0077)</small>		
				Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51	13 00-0091	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.	345.84	
07 51	13 00-0092	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil	375.17	
07 51	13 00-0093	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	396.51	
07 51	13 00-0094		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0077) Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51	13 00-0095	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil	316.27	
07 51	13 00-0096	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	501.84	
07 51	13 00-0097	SQ	Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil	409.84	
07 51	13 00-0098		Base Plys (07 51 13 00-0076) Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51	13 00-0099	SQ	Flexbase® 120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	301.84	
07 51	13 00-0100	SQ	Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	178.84	
07 51	13 00-0101	SQ	HPR® Aqua Shield Styrene-Butadiene Rubber (SBR)-Modified Fiberglass Reinforced Self-Adhering Underlayment For Ice And Water Protection, 60 Mil	112.80	
07 51	13 00-0102	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	41.97	
07 51	13 00-0103	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	28.50	
07 51	13 00-0104	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	63.30	
07 51	13 00-0105	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	37.30	
07 51	13 00-0106	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil	109.27	
07 51	13 00-0107	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	180.94	
07 51	13 00-0108	SQ	HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	157.84	
07 51	13 00-0109	SQ	HPR® Torch Base Sheet Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply For Torch Applied Membranes, 110 Mil	212.84	
07 51	13 00-0110	SQ	StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	158.30	
07 51	13 00-0111	SQ	StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	131.97	
07 51	13 00-0112	LF	Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric	3.38	
07 51	13 00-0113	SQ	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	35.40	
07 51	13 00-0114	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	33.00	
07 51	13 00-0115	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.37	
07 51	13 00-0116	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.25	
07 51	13 00-0117	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.32	
07 51	13 00-0118	SQ	4873 HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	70.00	
07 51	13 00-0119		Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0076)		
07 51	13 00-0120	SQ	Water Based Roof Primer, GarlaPrime VOC Primer (1 GAL/SQ)	30.04	
07 51	13 00-0121	SQ	All-Knight™ Primer Bleed Blocker For Asphalt And Coal Tar Roofs Used With White-Knight, Garla-Brite And Pyramic Roof Systems (0.5 GAL/SQ)	41.64	
07 51	13 00-0122	SQ	Black-Knight® Primer (0.5 GAL/SQ)	21.24	
07 51	13 00-0123	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply (1.5-2.0 GAL/SQ)	75.44	
07 51	13 00-0124	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	180.66	
07 51	13 00-0125	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	288.14	
07 51	13 00-0126	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply (30 LB/SQ)	95.52	
07 51	13 00-0127	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat (70 LB/SQ)	209.74	
07 51	13 00-0128	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	86.86	
07 51	13 00-0129	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	166.15	
07 51	13 00-0130	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	206.82	
07 51	13 00-0131	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	406.16	
07 51	13 00-0132	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Interply (25 LB/SQ)	77.08	
07 51	13 00-0133	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Flood Coat (60 LB/SQ)	170.74	
07 51	13 00-0134	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only (2-3 GAL/SQ)	233.51	
07 51	13 00-0135	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only (2.0-2.5 GAL/SQ)	165.66	
07 51	13 00-0136	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply (25 LB/SQ)	44.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0137 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat (60 LB/SQ).....	93.54	
07 51 13 00-0138 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel (150 SF/Cartridge).....	78.27	
07 51 13 00-0139 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers (150 SF/Cartridge).....	77.91	
07 51 13 00-0140 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products (150-200 SF/GAL).....	34.10	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0141 SQ Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required (1-1.5 GAL/SQ).....	59.80	
07 51 13 00-0142 SQ Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System, Top Coat Required (1-1.5 GAL/SQ).....	59.24	
07 51 13 00-0143 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh (1 GAL/7 LF).....	11.43	
07 51 13 00-0144 SQ Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat (0.5 GAL/SQ).....	111.24	
07 51 13 00-0145 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric (2-2.5 GAL/SQ).....	203.42	
07 51 13 00-0146 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	110.54	
07 51 13 00-0147 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Restoration (6-8 GAL/SQ).....	152.95	
07 51 13 00-0148 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply (2.5 GAL/SQ).....	67.66	
07 51 13 00-0149 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System (2-3 GAL/SQ).....	195.02	
07 51 13 00-0150 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply (2.5 GAL/SQ).....	67.16	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		
07 51 13 00-0151	Built-Up Roofing Components (Tremco) <small>(07 51 13)</small>	
Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0152	Cold Applied BUR Base Plies And Ply Sheets <small>(07 51 13 00-0151)</small>	
07 51 13 00-0153 SQ BURmastic Composite Ply, Cold Applied BUR Component.....	77.23	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0154 SQ BURmastic Premium Composite Ply, Cold Applied BUR Component.....	93.43	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0155 SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component.....	103.33	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0156 SQ 28 LB BURmastic Glass Ply, Cold Applied BUR Component.....	23.88	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0157 SQ 33 LB BURmastic Glass Ply, Cold Applied BUR Component.....	34.24	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0158 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....	139.53	
Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0159 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component.....	129.14	
Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0160	Hot Or Cold Applied Modified Bitumen Cap Membrane <small>(07 51 13 00-0151)</small>	
07 51 13 00-0161 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	80.50	
Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0162 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	209.85	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0163 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	345.79	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0164 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	94.54	
Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0165 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....	143.52	
Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0166 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component.....	343.93	
Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0167 SQ POWERply Standard FR T24 Cap Membrane, Hot Or Cold Applied BUR Component.....	273.83	
Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0168 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component.....	246.98	
Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0169	Self Adhesive Base Plies And Ply Sheets <small>(07 51 13 00-0151)</small>	
07 51 13 00-0170 SQ POWERply SA Base Sheet, Self Adhesive Roofing.....	143.75	
Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0171 SQ POWERply SA FR Membrane, Self Adhesive Roofing.....	286.77	
Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0172 Flashings (07 51 13 00-0151)		
07 51 13 00-0173 LF 11-1/2" Hypalon Elastomeric Flashing.....	9.65	
Note: 45 mils.		
07 51 13 00-0174 LF 19" Hypalon Elastomeric Flashing.....	15.78	
Note: 45 mils.		
07 51 13 00-0175 LF 25" Hypalon Elastomeric Flashing.....	20.97	
Note: 45 mils.		
07 51 13 00-0176 LF 38" Hypalon Elastomeric Flashing.....	30.67	
Note: 45 mils.		
07 51 13 00-0177 LF 60-1/2" Hypalon Elastomeric Flashing.....	50.66	
Note: 45 mils.		
07 51 13 00-0178 LF 12" TRA Elastomeric Flashing Membrane.....	7.81	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0179 LF 18" TRA Elastomeric Flashing Membrane.....	12.84	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0180 LF 24" TRA Elastomeric Flashing Membrane.....	17.11	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0181 LF 36" TRA Elastomeric Flashing Membrane.....	24.93	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0182 LF 60" TRA Elastomeric Flashing Membrane.....	42.02	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0183 LF 4" BURmesh Fabric.....	3.20	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0184 LF 6" BURmesh Fabric.....	3.29	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0185 LF 12" BURmesh Fabric.....	4.30	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0186 LF 36" BURmesh Fabric.....	12.13	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0187 Cold Applied Adhesives (07 51 13 00-0151)		
07 51 13 00-0188 SQ BURmastic Inter-Ply Cold Applied Adhesive.....	92.38	
07 51 13 00-0189 SQ BURmastic Flood Coat Cold Applied Adhesive.....	151.93	
07 51 13 00-0190 SQ BURmastic SF Inter-Ply Cold Applied Adhesive.....	116.67	
07 51 13 00-0191 SQ BURmastic LV Inter-Ply Cold Applied Adhesive.....	92.38	
07 51 13 00-0192 SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	48.60	
07 51 13 00-0193 SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	105.60	
07 51 13 00-0194 SQ POWERply White On White Cold Applied Adhesive.....	96.71	
07 51 13 00-0195 SQ Rock-It Cold Applied Adhesive For Gravel Applications.....	281.36	
07 51 13 00-0196 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	154.98	
Note: For insulation only.		
07 51 13 00-0197 SQ ECOlastic Cold Applied Adhesive.....	176.57	
07 51 13 00-0198 Hot Applied Adhesives (07 51 13 00-0151)		
07 51 13 00-0199 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	34.40	
07 51 13 00-0200 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive.....	68.33	
07 51 13 00-0201 Flashings Adhesives (07 51 13 00-0151)		
07 51 13 00-0202 LF Sheeting Bond Flashing Adhesive.....	12.73	
Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0203 LF Polyroof SF Flashing Mastic.....	16.21	
Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0204 LF ELS Flashing Mastic.....	10.64	
Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0205 LF TremSEAL D General Purpose Sealant.....	4.13	
07 51 13 00-0206 LF TremSEAL HP High Performance Sealant.....	4.22	
07 51 13 00-0207 LF TremSEAL S Silicone Sealant.....	4.15	
07 51 13 00-0208 Surfacing (07 51 13 00-0151)		
07 51 13 00-0209 SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	135.92	
07 51 13 00-0210 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating.....	305.73	
07 51 13 00-0211 SQ Polar Coat.....	81.50	
07 51 13 00-0212 SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating.....	98.66	
07 51 13 00-0213 SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	279.07	
07 51 13 00-0214 SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	131.02	
07 51 13 00-0215 Primer (07 51 13 00-0151)		
07 51 13 00-0216 SQ TREMprime WB Primer.....	23.41	
Note: Water based polymer modified asphalt primer.		
07 51 13 00-0217 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	46.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0218 Liquid Applied Roofing <small>(07 51 13 00-0151)</small>		
07 51 13 00-0219 SQ Trem-LAR LRM H Waterproofing (Horizontal)	232.90	
<small>Note: One part liquid applied elastomeric roofing membrane. 60 mils.</small>		
07 51 13 00-0220 SQ Trem-LAR LRM V Waterproofing (Vertical).....	238.20	
<small>Note: One part liquid applied elastomeric roofing membrane. 60 mils.</small>		
07 51 13 00-0221 Atactic-Polypropylene (APP) Products <small>(07 51 13 00-0151)</small>		
07 51 13 00-0222 SQ POWERply APP Base Sheet	120.53	
07 51 13 00-0223 SQ POWERply APP FR.....	226.56	
07 51 13 00-0224 SQ POWERply APP Smooth	181.62	
07 51 13 00-0225 Tri-Polymer Alloy (TPA) White Membrane <small>(07 51 13 00-0151)</small>		
07 51 13 00-0226 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane	322.35	
07 51 13 00-0227 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane	435.54	
07 51 13 00-0228 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane	491.88	
07 51 13 00-0229 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0151)</small>		
07 51 13 00-0230 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	367.14	
07 51 13 00-0231 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	446.28	
07 51 13 00-0232 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	542.23	
07 51 13 00-0233 Thermoplastic Polyolefin (TPO) Polyester White Membrane <small>(07 51 13 00-0151)</small>		
07 51 13 00-0234 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	179.55	
07 51 13 00-0235 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	180.23	
07 51 13 00-0236 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	299.56	
07 51 13 00-0237 Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0151)</small>		
07 51 13 00-0238 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	205.01	
07 51 13 00-0239 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	228.14	
07 51 13 00-0240 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	325.64	
07 51 13 00-0241 Tremply HP 4510 CSPE White Membrane <small>(07 51 13 00-0151)</small>		
07 51 13 00-0242 SQ 45 Mil Tremply HP 4510 CSPE White Membrane	525.99	
07 51 13 00-0243 Warranty <small>(07 51 13 00-0151)</small>		
07 51 13 00-0244 EA Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0245 SF >10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0246 EA Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0247 SF >10,000 SF 20 Year Roofing System Warranty	0.20	
07 52 Modified Bituminous Membrane Roofing <small>(07 50)</small>		
07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing <small>(07 52)</small>		
<small>Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.</small>		
07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13 11)</small>		
<small>Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.</small>		
07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 11-0001)</small>		
07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	95.59	
<small>For Up To 10, Add</small>		12.27
<small>For >10 To 25, Add</small>		9.77
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	114.23	
<small>For Up To 10, Add</small>		13.20
<small>For >10 To 25, Add</small>		10.70
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	186.19	
<small>For Up To 10, Add</small>		16.80
<small>For >10 To 25, Add</small>		14.30
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	188.57	
<small>For Up To 10, Add</small>		17.63
<small>For >10 To 25, Add</small>		14.89

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0007	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	129.11	
			<i>For Up To 10, Add</i>	14.65	
			<i>For >10 To 25, Add</i>	11.92	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 11-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	147.96	
			<i>For Up To 10, Add</i>	15.60	
			<i>For >10 To 25, Add</i>	12.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	199.31	
			<i>For Up To 10, Add</i>	18.16	
			<i>For >10 To 25, Add</i>	15.43	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 11-0010			Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>		
07 52 13 11-0011	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.15	
07 52 13 11-0012	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.26	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 13 13			Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 13-0001			Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002			Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003	SQ		80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied.....	65.44	
			<i>For Up To 10, Add</i>	8.89	
			<i>For >10 To 25, Add</i>	7.02	
07 52 13 13-0004	SQ		90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	84.08	
			<i>For Up To 10, Add</i>	9.82	
			<i>For >10 To 25, Add</i>	7.95	
07 52 13 13-0005	SQ		150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	92.83	
			<i>For Up To 10, Add</i>	10.26	
			<i>For >10 To 25, Add</i>	8.39	
07 52 13 13-0006	SQ		160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	97.60	
			<i>For Up To 10, Add</i>	10.50	
			<i>For >10 To 25, Add</i>	8.62	
07 52 13 13-0007	SQ		180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	136.31	
			<i>For Up To 10, Add</i>	12.43	
			<i>For >10 To 25, Add</i>	10.56	
07 52 13 13-0008	SQ		150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	93.97	
			<i>For Up To 10, Add</i>	10.65	
			<i>For >10 To 25, Add</i>	8.67	
07 52 13 13-0009	SQ		160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	99.93	
			<i>For Up To 10, Add</i>	10.95	
			<i>For >10 To 25, Add</i>	8.97	
07 52 13 13-0010	SQ		180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	137.45	
			<i>For Up To 10, Add</i>	12.83	
			<i>For >10 To 25, Add</i>	10.84	
07 52 13 13-0011	SQ		160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	97.72	
			<i>For Up To 10, Add</i>	10.84	
			<i>For >10 To 25, Add</i>	8.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	103.51	
			<i>For Up To 10, Add</i>	11.13	
			<i>For >10 To 25, Add</i>	9.15	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	117.70	
			<i>For Up To 10, Add</i>	11.84	
			<i>For >10 To 25, Add</i>	9.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	119.43	
			<i>For Up To 10, Add</i>	11.93	
			<i>For >10 To 25, Add</i>	9.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	167.92	
			<i>For Up To 10, Add</i>	14.35	
			<i>For >10 To 25, Add</i>	12.37	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 13 13-0016			Torch-Applied, APP Modified Bitumen Roofing Flashing <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.87	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.93	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.30	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.97	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.12	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	96.35	
<i>For Up To 10, Add</i>	8.56	
<i>For >10 To 25, Add</i>	7.31	
07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 11)		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003 SQ 50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	77.35	
<i>For Up To 10, Add</i>	11.36	
<i>For >10 To 25, Add</i>	8.86	
07 52 16 11-0004 SQ 80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	98.04	
<i>For Up To 10, Add</i>	12.39	
<i>For >10 To 25, Add</i>	9.89	
07 52 16 11-0005 SQ 90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	100.71	
<i>For Up To 10, Add</i>	12.52	
<i>For >10 To 25, Add</i>	10.03	
07 52 16 11-0006 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	133.71	
<i>For Up To 10, Add</i>	14.17	
<i>For >10 To 25, Add</i>	11.68	
07 52 16 11-0007 SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	167.11	
<i>For Up To 10, Add</i>	15.84	
<i>For >10 To 25, Add</i>	13.35	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	141.80	
<i>For Up To 10, Add</i>	15.29	
<i>For >10 To 25, Add</i>	12.56	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	145.39	
<i>For Up To 10, Add</i>	15.47	
<i>For >10 To 25, Add</i>	12.74	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	128.57	
<i>For Up To 10, Add</i>	14.63	
<i>For >10 To 25, Add</i>	11.89	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	130.12	
<i>For Up To 10, Add</i>	14.71	
<i>For >10 To 25, Add</i>	11.97	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	144.44	
<i>For Up To 10, Add</i>	15.42	
<i>For >10 To 25, Add</i>	12.69	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	146.82	
<i>For Up To 10, Add</i>	15.54	
<i>For >10 To 25, Add</i>	12.81	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	167.70	
<i>For Up To 10, Add</i>	16.58	
<i>For >10 To 25, Add</i>	13.85	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	205.73	
<i>For Up To 10, Add</i>	18.49	
<i>For >10 To 25, Add</i>	15.75	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	131.16	
<i>For Up To 10, Add</i>	14.76	
<i>For >10 To 25, Add</i>	12.02	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	134.90	
			<i>For Up To 10, Add</i>	14.94	
			<i>For >10 To 25, Add</i>	12.21	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	155.17	
			<i>For Up To 10, Add</i>	15.96	
			<i>For >10 To 25, Add</i>	13.22	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	155.65	
			<i>For Up To 10, Add</i>	15.98	
			<i>For >10 To 25, Add</i>	13.25	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	164.72	
			<i>For Up To 10, Add</i>	16.44	
			<i>For >10 To 25, Add</i>	13.70	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 11-0021			Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 11-0001)		
07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.72	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.74	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.32	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.58	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.62	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.82	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.91	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.66	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	7.34	
07 52 16 12			Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 12-0001			Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 12) Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002			Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)		
07 52 16 12-0003	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	65.35	
			<i>For Up To 10, Add</i>	10.76	
			<i>For >10 To 25, Add</i>	8.26	
07 52 16 12-0004	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	86.04	
			<i>For Up To 10, Add</i>	11.79	
			<i>For >10 To 25, Add</i>	9.29	
07 52 16 12-0005	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	88.71	
			<i>For Up To 10, Add</i>	11.92	
			<i>For >10 To 25, Add</i>	9.43	
07 52 16 12-0006	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	121.71	
			<i>For Up To 10, Add</i>	13.57	
			<i>For >10 To 25, Add</i>	11.08	
07 52 16 12-0007	SQ		125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped.....	155.11	
			<i>For Up To 10, Add</i>	15.24	
			<i>For >10 To 25, Add</i>	12.75	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	129.85	
			<i>For Up To 10, Add</i>	14.69	
			<i>For >10 To 25, Add</i>	11.96	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	133.45	
			<i>For Up To 10, Add</i>	14.87	
			<i>For >10 To 25, Add</i>	12.14	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	116.63	
			<i>For Up To 10, Add</i>	14.03	
			<i>For >10 To 25, Add</i>	11.30	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	118.18	
			<i>For Up To 10, Add</i>	14.11	
			<i>For >10 To 25, Add</i>	11.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	132.49	
			<i>For Up To 10, Add</i>	14.82	
			<i>For >10 To 25, Add</i>	12.09	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	134.88	
For Up To 10, Add	14.94	
For >10 To 25, Add	12.21	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	155.75	
For Up To 10, Add	15.99	
For >10 To 25, Add	13.25	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	193.78	
For Up To 10, Add	17.89	
For >10 To 25, Add	15.16	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	119.21	
For Up To 10, Add	14.16	
For >10 To 25, Add	11.43	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	122.95	
For Up To 10, Add	14.35	
For >10 To 25, Add	11.61	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	143.23	
For Up To 10, Add	15.36	
For >10 To 25, Add	12.63	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	143.70	
For Up To 10, Add	15.38	
For >10 To 25, Add	12.65	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	152.77	
For Up To 10, Add	15.84	
For >10 To 25, Add	13.10	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.63	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.46	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.48	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.62	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.64	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.85	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	3.23	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.49	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.52	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.69	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.82	
For Factory Applied White Reflective Surfacing, Add	0.52	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	3.56	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	6.25	
07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 13)		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002 Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)		
07 52 16 13-0003 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	109.53	
For Up To 10, Add	11.09	
For >10 To 25, Add	9.22	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	99.10	
For Up To 10, Add	10.91	
For >10 To 25, Add	8.93	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	112.69	
For Up To 10, Add	11.59	
For >10 To 25, Add	9.60	
For Factory Applied White Reflective Surfacing, Add	52.37	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	174.34	
For Up To 10, Add	14.67	
For >10 To 25, Add	12.69	
For Factory Applied White Reflective Surfacing, Add	52.37	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	102.98	
			<i>For Up To 10, Add</i>	11.10	
			<i>For >10 To 25, Add</i>	9.12	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	119.02	
			<i>For Up To 10, Add</i>	11.91	
			<i>For >10 To 25, Add</i>	9.92	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	124.13	
			<i>For Up To 10, Add</i>	12.16	
			<i>For >10 To 25, Add</i>	10.18	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	161.55	
			<i>For Up To 10, Add</i>	14.03	
			<i>For >10 To 25, Add</i>	12.05	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 13-0011			Torch-Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 13-0001)		
07 52 16 13-0012	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.07	
07 52 16 13-0013	SF		150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.06	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 13-0014	SF		180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.67	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.13	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.63	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	5.69	
07 52 16 14			Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 14-0001			Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 14)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened.....	75.79	
			<i>For Up To 10, Add</i>	7.53	
			<i>For >10 To 25, Add</i>	6.28	
07 52 16 14-0004	SQ		50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	59.47	
			<i>For Up To 10, Add</i>	6.71	
			<i>For >10 To 25, Add</i>	5.47	
07 52 16 14-0005	SQ		80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	75.54	
			<i>For Up To 10, Add</i>	7.52	
			<i>For >10 To 25, Add</i>	6.27	
07 52 16 14-0006	SQ		90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	93.29	
			<i>For Up To 10, Add</i>	8.41	
			<i>For >10 To 25, Add</i>	7.16	
07 52 16 14-0007	SQ		120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	115.83	
			<i>For Up To 10, Add</i>	9.53	
			<i>For >10 To 25, Add</i>	8.29	
07 52 16 14-0008			Mechanically Fastened, SBS Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.70	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.73	
07 52 16 15			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 15-0001			Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 15)		
			Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ		60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	62.77	
			<i>For Up To 10, Add</i>	7.63	
			<i>For >10 To 25, Add</i>	6.13	
07 52 16 15-0004	SQ		70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	66.15	
			<i>For Up To 10, Add</i>	7.80	
			<i>For >10 To 25, Add</i>	6.30	
07 52 16 15-0005	SQ		120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	107.94	
			<i>For Up To 10, Add</i>	10.23	
			<i>For >10 To 25, Add</i>	8.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0006 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	127.76	
<i>For Up To 10, Add</i>	11.22	
<i>For >10 To 25, Add</i>	9.61	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 15-0007 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	186.21	
<i>For Up To 10, Add</i>	14.14	
<i>For >10 To 25, Add</i>	12.53	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.37	
07 52 16 15-0008 Self-Adhering, SBS Modified Bitumen Roofing Flashing (07 52 16 15-0001)		
07 52 16 15-0009 SF 70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	2.05	
07 52 16 15-0010 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.25	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 52 16 15-0011 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.83	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.52	
07 53 Elastomeric Membrane Roofing (07 50)		
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)		
07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)		
Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered.....	272.74	60.38
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	49.58	
<i>For >10 To 25, Add</i>	37.60	
<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Ballasted	186.93	30.20
Note: Includes ballast.		
<i>For Up To 10, Add</i>	27.32	
<i>For >10 To 25, Add</i>	21.33	
<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened.....	209.26	45.28
Note: Includes fasteners.		
<i>For Up To 10, Add</i>	37.42	
<i>For >10 To 25, Add</i>	28.44	
<i>For 15 Year Warranty, Add</i>	3.00	
07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)		
07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)		
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	145.64	30.20
Note: Includes ballast.		
<i>For Up To 10, Add</i>	25.26	
<i>For >10 To 25, Add</i>	19.26	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	4.21	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.36	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	162.85	32.08
Note: Includes ballast.		
<i>For Up To 10, Add</i>	27.24	
<i>For >10 To 25, Add</i>	20.87	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Low Slope Fire Rated, Add</i>	4.21	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.36	
07 53 23 00-0004 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	236.42	33.96
Note: Includes ballast.		
<i>For Up To 10, Add</i>	32.04	
<i>For >10 To 25, Add</i>	25.30	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Low Slope Fire Rated, Add</i>	4.21	
07 53 23 00-0005 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	177.90	45.28
Note: Includes adhesive and fasteners.		
<i>For Up To 10, Add</i>	35.86	
<i>For >10 To 25, Add</i>	26.87	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Low Slope Fire Rated, Add</i>	4.21	
<i>For Low VOC Adhesive, Add</i>	18.80	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	11.36	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	40.15	
<i>For Integral Polyester Fleece-Backing, Add</i>	58.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	195.11	47.18
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	37.84	
			For >10 To 25, Add	28.48	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For Low VOC Adhesive, Add	18.80	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
			For Integral Polyester Fleece-Backing, Add	64.87	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	268.69	49.06
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	42.64	
			For >10 To 25, Add	32.91	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For Low VOC Adhesive, Add	18.80	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
			For Integral Polyester Fleece-Backing, Add	71.60	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	235.30	60.38
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	47.71	
			For >10 To 25, Add	35.73	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.21	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	46.99	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
			For Integral Polyester Fleece-Backing, Add	58.70	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	252.51	62.27
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	49.70	
			For >10 To 25, Add	37.34	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	46.99	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
			For Integral Polyester Fleece-Backing, Add	64.87	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	326.08	64.16
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	54.50	
			For >10 To 25, Add	41.77	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For Low VOC Adhesive, Add	46.99	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
			For Integral Polyester Fleece-Backing, Add	71.60	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	167.85	45.28
			Note: Includes fasteners.		
			For Up To 10, Add	35.35	
			For >10 To 25, Add	26.37	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.21	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	185.06	47.18
			Note: Includes fasteners.		
			For Up To 10, Add	37.34	
			For >10 To 25, Add	27.98	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	258.64	49.06
			Note: Includes fasteners.		
			For Up To 10, Add	42.14	
			For >10 To 25, Add	32.40	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.21	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.15	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat.....	39.72	
<i>For Up To 10, Add</i>	6.48	
<i>For >10 To 25, Add</i>	4.98	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	40.95	
Note: 55% solids by volume.		
<i>For Up To 10, Add</i>	6.54	
<i>For >10 To 25, Add</i>	5.04	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	26.29	7.17
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	36.01	7.17
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	64.05	7.17
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket	84.08	7.92
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad	19.83	4.37
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	3.90	1.13
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.02	1.69

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted	277.59	33.96
Note: Includes ballast.		
<i>For Up To 10, Add</i>	34.10	
<i>For >10 To 25, Add</i>	27.36	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	315.88	49.06
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	45.00	
<i>For >10 To 25, Add</i>	35.27	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	382.32	64.16
Note: Includes adhesive.		
<i>For Up To 10, Add</i>	57.31	
<i>For >10 To 25, Add</i>	44.58	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	179.79	30.20
Note: Includes ballast.		
<i>For Up To 10, Add</i>	26.96	
<i>For >10 To 25, Add</i>	20.97	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	204.85	32.08
Note: Includes ballast.		
<i>For Up To 10, Add</i>	29.34	
<i>For >10 To 25, Add</i>	22.97	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	233.94	33.02
Note: Includes ballast.		
<i>For Up To 10, Add</i>	31.36	
<i>For >10 To 25, Add</i>	24.80	
<i>For 15 Year Warranty, Add</i>	3.00	
<i>For 20 Year Warranty, Add</i>	6.00	
<i>For 25 Year Warranty, Add</i>	8.00	
<i>For Colors, Add</i>	26.00	
<i>For Integral Polyester Fleece-Backing, Add</i>	40.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	247.65	33.96
			Note: Includes ballast.		
			For Up To 10, Add	32.60	
			For >10 To 25, Add	25.86	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	252.27	60.38
			Note: Includes adhesive.		
			For Up To 10, Add	48.56	
			For >10 To 25, Add	36.58	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	277.34	62.27
			Note: Includes adhesive.		
			For Up To 10, Add	50.94	
			For >10 To 25, Add	38.58	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	306.42	63.21
			Note: Includes adhesive.		
			For Up To 10, Add	52.95	
			For >10 To 25, Add	40.41	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	320.13	64.16
			Note: Includes adhesive.		
			For Up To 10, Add	54.20	
			For >10 To 25, Add	41.47	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	198.02	45.28
			Note: Includes fasteners.		
			For Up To 10, Add	36.86	
			For >10 To 25, Add	27.88	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	223.07	47.18
			Note: Includes fasteners.		
			For Up To 10, Add	39.24	
			For >10 To 25, Add	29.88	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	252.15	48.12
			Note: Includes fasteners.		
			For Up To 10, Add	41.25	
			For >10 To 25, Add	31.70	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	265.88	49.06
			Note: Includes fasteners.		
			For Up To 10, Add	42.50	
			For >10 To 25, Add	32.77	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	39.72	
			For Up To 10, Add	6.48	
			For >10 To 25, Add	4.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	40.95	
Note: 55% solids by volume.		
For Up To 10, Add	6.54	
For >10 To 25, Add	5.04	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	40.69	6.42
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	56.15	7.17
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	71.17	7.92
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket	89.41	7.92
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	17.32	4.37
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing.....	4.54	1.13
07 54 19 00-0023 SF Polyvinyl Chloride (PVC) Membrane Curb Flashing	5.66	1.69
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	5.95	1.13
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)

Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002 SQ 45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	228.06	60.38
Note: Includes adhesive.		
For Up To 10, Add	47.35	
For >10 To 25, Add	35.37	
For 15 Year Warranty, Add	3.00	
For Low VOC Adhesive, Add	46.99	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003 SQ 60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	242.44	62.27
Note: Includes adhesive.		
For Up To 10, Add	49.19	
For >10 To 25, Add	36.84	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low VOC Adhesive, Add	46.99	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004 SQ 80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	300.65	64.16
Note: Includes adhesive.		
For Up To 10, Add	53.23	
For >10 To 25, Add	40.49	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low VOC Adhesive, Add	46.99	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005 SQ 45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	156.63	45.28
Note: Includes fasteners.		
For Up To 10, Add	34.79	
For >10 To 25, Add	25.81	
For 15 Year Warranty, Add	3.00	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	171.00	47.18
Note: Includes fasteners.		
For Up To 10, Add	36.63	
For >10 To 25, Add	27.27	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0007 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	229.22	49.06
Note: Includes fasteners.		
For Up To 10, Add	40.67	
For >10 To 25, Add	30.93	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Integral Polyester Fleece-Backing, Add	33.25	

07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)

07 54 23 00-0009 SQ Acrylic, TPO Roofing Primer, Price Per Coat.....	46.49	
For Up To 10, Add	6.82	
For >10 To 25, Add	5.32	
07 54 23 00-0010 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	40.95	
Note: 55% solids by volume.		
For Up To 10, Add	6.54	
For >10 To 25, Add	5.04	
For Tan Or Gray Color, Add	1.29	
07 54 23 00-0011 EA Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot	35.52	6.42
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012 EA >3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	38.47	7.17
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0013	EA		6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	67.88	7.92
07 54 23 00-0014	LF		30" Wide, TPO Walkway Protection Pad	17.13	4.37
07 54 23 00-0015	SF		TPO Membrane Base Flashing.....	4.71	1.13
07 54 23 00-0016	SF		TPO Curb Flashing.....	4.43	1.13
			<i>For Tan Or Gray Color, Add</i>	0.05	
07 54 23 00-0017	SF		TPO Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	6.66	1.13

07 56 Fluid-Applied Roofing (07 50)**07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats** (07 56)

07 56 00 00-0002	SQ		60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing..... <i>For Each Additional Coat, Add</i>	789.33 118.40	98.42
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07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)

07 56 00 00-0004	SQ		2 Mil Vinyl Liquid Roofing.....	721.74	103.72
07 56 00 00-0005	SQ		4 Mil Vinyl Liquid Roofing.....	807.46	115.84

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)

07 56 00 00-0007	SQ		65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	243.53	59.44
07 56 00 00-0008	SQ		65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	301.13	59.44
07 56 00 00-0009	SQ		65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	344.45	59.44

07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56)

Note: As manufactured by Tru-Co, Inc.

07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)

07 56 00 00-0012	SQ		Elastomeric Installation Over Urethane Foam	555.39	
07 56 00 00-0013	SQ		Elastomeric Installation Over Decks	570.25	
07 56 00 00-0014	SQ		Elastomeric Installation Over Exterior, Waterproofing.....	231.78	
07 56 00 00-0015	SQ		Installation Over Existing Tar (Asphalt) And Gravel Roof	721.70	
07 56 00 00-0016	SQ		Installation Over New Construction, Waterproofing	408.08	
07 56 00 00-0017	SQ		Installation Over Mobile Home	268.44	
07 56 00 00-0018	SQ		Installation Over Corrugated Metal Roofs	315.77	
07 56 00 00-0019	SQ		Installation Over Granulate Mineral Surface, BUR Cap Sheet (Semi-Smooth) Surface.....	602.71	
07 56 00 00-0020	SQ		4" Acrylic Gel With Fabric (Apply At Edges).....	2.11	
07 56 00 00-0021	SQ		6" Acrylic Gel With Fabric (Apply At Edges).....	2.99	

07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56)

Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 56 00 00-0023	SF		Up To 50 SF White (High-Albedo) Polyurethane Coating.....	9.07	
07 56 00 00-0024	SF		>50 To 100 SF White (High-Albedo) Polyurethane Coating.....	8.76	
07 56 00 00-0025	SF		>100 To 500 SF White (High-Albedo) Polyurethane Coating.....	8.46	
07 56 00 00-0026	SEA		>500 To 1,000 SF White (High-Albedo) Polyurethane Coating.....	8.09	

07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)

07 56 00 00-0028	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	684.68	59.44
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Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.

07 56 00 00-0029 Urethane Liquid Roofing Membrane (07 56)

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0030	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	43.48	
07 56 00 00-0031	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	3.32	
07 56 00 00-0032	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	201.86	
07 56 00 00-0033	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System (0.25 GAL/SQ)	43.42	
07 56 00 00-0034	SQ		White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	239.06	
07 56 00 00-0035	SQ		White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (0.5 GAL/SQ))	66.84	
07 56 00 00-0036	SQ		White-Knight® WC Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	251.86	
07 56 00 00-0037	SQ		White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	244.66	

07 57 Coated Foamed Roofing (07 50)**07 57 13 Sprayed Polyurethane Foam Roofing** (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0001				Sprayed Polyurethane Foam Roofing Systems <small>(07 57 13)</small>		
07 57 13 00-0002				Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0003				Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
				Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	236.65	34.29
07 57 13 00-0005	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	332.69	39.18
07 57 13 00-0006	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	438.36	44.08
07 57 13 00-0007	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	524.77	48.99
07 57 13 00-0008	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	620.80	53.88
07 57 13 00-0009	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	716.83	58.78
07 57 13 00-0010				Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
				Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0011	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	244.14	34.29
07 57 13 00-0012	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	340.18	39.18
07 57 13 00-0013	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	436.22	44.08
07 57 13 00-0014	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	532.26	48.99
07 57 13 00-0015	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	628.29	53.88
07 57 13 00-0016	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	724.32	58.78
07 57 13 00-0017				Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
				Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0018	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	262.33	34.29
07 57 13 00-0019	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	355.17	39.18
07 57 13 00-0020	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	451.20	44.08
07 57 13 00-0021	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	587.27	48.99
07 57 13 00-0022	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	691.44	53.88
07 57 13 00-0023	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	795.61	58.78
07 57 13 00-0024				Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0025				Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small>		
				Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0026	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	267.69	34.29
07 57 13 00-0027	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	371.86	39.18
07 57 13 00-0028	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	476.03	44.08
07 57 13 00-0029	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	580.21	48.99
07 57 13 00-0030	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	684.37	53.88
07 57 13 00-0031	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	788.54	58.78

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0032 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0033 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	278.28	34.29
07 57 13 00-0034 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	382.46	39.18
07 57 13 00-0035 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	486.63	44.08
07 57 13 00-0036 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	590.80	48.99
07 57 13 00-0037 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	694.97	53.88
07 57 13 00-0038 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	799.14	58.78
 07 57 13 00-0039 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0040 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	286.52	34.29
07 57 13 00-0041 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	390.70	39.18
07 57 13 00-0042 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	494.87	44.08
07 57 13 00-0043 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	599.04	48.99
07 57 13 00-0044 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	703.21	53.88
07 57 13 00-0045 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	807.38	58.78
 07 58 Roll Roofing <small>(07 50)</small>		
07 58 00 00-0001 Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	119.52	22.04
 07 59 Membrane Roofing Accessories <small>(07 50)</small>		
07 59 00 00-0001 Membrane Roofing Accessories <small>(07 59)</small>		
07 59 00 00-0002 LF Roofing Membrane Termination Bar.....	3.05	1.06
Note: Includes fasteners and caulking.		
 07 60 Flashing And Sheet Metal <small>(07)</small> Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 62 Sheet Metal Flashing And Trim <small>(07 60)</small>		
07 62 00 00-0001 Lead Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	18.52	5.00
07 62 00 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	23.32	5.00
 07 62 00 00-0004 Copper Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0005 Copper Flashing And Trim <small>(07 62 00 00-0004)</small>		
07 62 00 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	17.22	4.89
For >500 To 2,000, Deduct	-2.43	
For >2,000, Deduct	-2.81	
For Copper Valley For Steep Slope Roofing, Add	1.93	
For Wrap Around Window Panning, Add	9.67	
07 62 00 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	17.85	5.00
For >500 To 2,000, Deduct	-2.52	
For >2,000, Deduct	-2.91	
For Copper Valley For Steep Slope Roofing, Add	2.02	
For Wrap Around Window Panning, Add	10.11	
07 62 00 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	19.86	5.34
For >500 To 2,000, Deduct	-2.79	
For >2,000, Deduct	-3.26	
For Copper Valley For Steep Slope Roofing, Add	2.12	
For Wrap Around Window Panning, Add	10.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	23.49	5.56
<i>For >500 To 2,000, Deduct</i>	-3.28	
<i>For >2,000, Deduct</i>	-3.89	
<i>For Copper Valley For Steep Slope Roofing, Add</i>	2.22	
<i>For Wrap Around Window Panning, Add</i>	11.11	
07 62 00 00-0010 Stainless Steel Flashing And Trim (07 62)		
07 62 00 00-0011 Stainless Steel Flashing And Trim (07 62 00 00-0010)		
07 62 00 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	9.33	2.66
<i>For Wrap Around Window Panning, Add</i>	6.86	
<i>For Mechanically Keyed Flashing, Add</i>	0.99	
07 62 00 00-0013 SF 28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim.....	10.56	3.12
<i>For Wrap Around Window Panning, Add</i>	6.86	
<i>For Mechanically Keyed Flashing, Add</i>	1.48	
07 62 00 00-0014 SF 26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim.....	11.94	3.67
<i>For Wrap Around Window Panning, Add</i>	7.32	
<i>For Mechanically Keyed Flashing, Add</i>	1.85	
07 62 00 00-0015 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	13.88	3.89
<i>For Wrap Around Window Panning, Add</i>	7.72	
<i>For Mechanically Keyed Flashing, Add</i>	2.46	
07 62 00 00-0016 Stainless Steel Drip Edge (07 62 00 00-0010)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017 26 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0018 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.39	0.73
07 62 00 00-0019 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.36	0.73
07 62 00 00-0020 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.09	0.73
07 62 00 00-0021 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	7.30	0.73
07 62 00 00-0022 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	9.25	0.73
07 62 00 00-0023 24 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0024 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	5.30	0.73
07 62 00 00-0025 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.58	0.73
07 62 00 00-0026 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.55	0.73
07 62 00 00-0027 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	9.14	0.73
07 62 00 00-0028 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	11.69	0.73
07 62 00 00-0029 22 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0030 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	6.38	0.73
07 62 00 00-0031 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	8.02	0.73
07 62 00 00-0032 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.25	0.73
07 62 00 00-0033 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	11.30	0.73
07 62 00 00-0034 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	14.57	0.73
07 62 00 00-0035 Aluminum Flashing And Trim (07 62)		
07 62 00 00-0036 Aluminum Flashing And Trim (07 62 00 00-0035)		
07 62 00 00-0037 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	10.14	3.45
<i>For Baked Aluminum Colors, Add</i>	0.25	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0038 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	10.68	3.45
<i>For Baked Aluminum Colors, Add</i>	0.30	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0039 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	11.11	3.45
<i>For Baked Aluminum Colors, Add</i>	0.34	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0040 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	11.73	3.45
<i>For Baked Aluminum Colors, Add</i>	0.41	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0041 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	12.59	3.45
<i>For Baked Aluminum Colors, Add</i>	0.49	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0042 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.12	3.45
<i>For Baked Aluminum Colors, Add</i>	0.55	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0043 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.55	3.45
<i>For Baked Aluminum Colors, Add</i>	0.59	
<i>For Wrap Around Window Panning, Add</i>	7.67	
07 62 00 00-0044 Aluminum Drip Edge (07 62 00 00-0035)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045 KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0046 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0047 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.21	0.73

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0048 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.84	0.73
07 62 00 00-0049 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.21	0.73
07 62 00 00-0050 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.95	0.73
07 62 00 00-0051 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.27	0.73
07 62 00 00-0052 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0053 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.42	0.73
07 62 00 00-0054 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.07	0.73
07 62 00 00-0055 LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.56	0.73
07 62 00 00-0056 LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.37	0.73
07 62 00 00-0057 LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.67	0.73
07 62 00 00-0058 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0059 LF Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.63	0.73
07 62 00 00-0060 LF >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.35	0.73
07 62 00 00-0061 LF >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.89	0.73
07 62 00 00-0062 LF >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.79	0.73
07 62 00 00-0063 LF >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.22	0.73
07 62 00 00-0064 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0065 LF Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.05	0.73
07 62 00 00-0066 LF >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.90	0.73
07 62 00 00-0067 LF >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.55	0.73
07 62 00 00-0068 LF >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.62	0.73
07 62 00 00-0069 LF >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.34	0.73
07 62 00 00-0070 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0071 LF Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.18	0.73
07 62 00 00-0072 LF >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.11	0.73
07 62 00 00-0073 LF >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.77	0.73
07 62 00 00-0074 LF >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.90	0.73
07 62 00 00-0075 LF >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.71	0.73
07 62 00 00-0076 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0077 LF Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.67	0.73
07 62 00 00-0078 LF >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.74	0.73
07 62 00 00-0079 LF >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.54	0.73
07 62 00 00-0080 LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.87	0.73
07 62 00 00-0081 LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.01	0.73
07 62 00 00-0082 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0083 LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.37	0.73
07 62 00 00-0084 LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.67	0.73
07 62 00 00-0085 LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.64	0.73
07 62 00 00-0086 LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.27	0.73
07 62 00 00-0087 LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.86	0.73
07 62 00 00-0088 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0089 LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.20	0.73
07 62 00 00-0090 LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.78	0.73
07 62 00 00-0091 LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.96	0.73
07 62 00 00-0092 LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.94	0.73
07 62 00 00-0093 LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.09	0.73
07 62 00 00-0094 Mill Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0095 0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0096 LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	2.67	0.73
07 62 00 00-0097 LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.10	0.73
07 62 00 00-0098 LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.36	0.73
07 62 00 00-0099 LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.87	0.73
07 62 00 00-0100 LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.78	0.73
07 62 00 00-0101 0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0102 LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	2.81	0.73
07 62 00 00-0103 LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.26	0.73
07 62 00 00-0104 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.60	0.73
07 62 00 00-0105 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.16	0.73
07 62 00 00-0106 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	5.05	0.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0107				0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0108 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	2.96	0.73
				07 62 00 00-0109 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.45	0.73
				07 62 00 00-0110 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.83	0.73
				07 62 00 00-0111 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	4.45	0.73
				07 62 00 00-0112 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	5.44	0.73
07 62 00 00-0113				0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0114 LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.25	0.73
				07 62 00 00-0115 LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.84	0.73
				07 62 00 00-0116 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	4.29	0.73
				07 62 00 00-0117 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.02	0.73
				07 62 00 00-0118 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	6.21	0.73
07 62 00 00-0119				0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0120 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.34	0.73
				07 62 00 00-0121 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.98	0.73
				07 62 00 00-0122 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.44	0.73
				07 62 00 00-0123 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	5.21	0.73
				07 62 00 00-0124 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	6.46	0.73
07 62 00 00-0125				0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0126 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	3.68	0.73
				07 62 00 00-0127 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.41	0.73
				07 62 00 00-0128 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.97	0.73
				07 62 00 00-0129 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.89	0.73
				07 62 00 00-0130 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	7.36	0.73
07 62 00 00-0131				0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0132 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	4.16	0.73
				07 62 00 00-0133 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.05	0.73
				07 62 00 00-0134 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.73	0.73
				07 62 00 00-0135 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.85	0.73
				07 62 00 00-0136 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.64	0.73
07 62 00 00-0137				0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
				07 62 00 00-0138 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	4.73	0.73
				07 62 00 00-0139 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.82	0.73
				07 62 00 00-0140 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.64	0.73
				07 62 00 00-0141 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	8.00	0.73
				07 62 00 00-0142 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	10.17	0.73
07 62 00 00-0143				Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0144				0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
				07 62 00 00-0145 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.31	0.73
				07 62 00 00-0146 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.98	0.73
				07 62 00 00-0147 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.37	0.73
				07 62 00 00-0148 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.16	0.73
				07 62 00 00-0149 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.56	0.73
07 62 00 00-0150				0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
				07 62 00 00-0151 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.54	0.73
				07 62 00 00-0152 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.22	0.73
				07 62 00 00-0153 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.74	0.73
				07 62 00 00-0154 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.60	0.73
				07 62 00 00-0155 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.98	0.73
07 62 00 00-0156				0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
				07 62 00 00-0157 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.76	0.73
				07 62 00 00-0158 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.52	0.73
				07 62 00 00-0159 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.10	0.73
				07 62 00 00-0160 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.04	0.73
				07 62 00 00-0161 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.57	0.73
07 62 00 00-0162				0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
				07 62 00 00-0163 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.20	0.73
				07 62 00 00-0164 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.11	0.73
				07 62 00 00-0165 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.80	0.73
				07 62 00 00-0166 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.93	0.73

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0167 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.75	0.73
07 62 00 00-0168 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0169 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.35	0.73
07 62 00 00-0170 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.33	0.73
07 62 00 00-0171 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.03	0.73
07 62 00 00-0172 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.22	0.73
07 62 00 00-0173 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.14	0.73
07 62 00 00-0174 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0175 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.86	0.73
07 62 00 00-0176 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.99	0.73
07 62 00 00-0177 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.84	0.73
07 62 00 00-0178 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.26	0.73
07 62 00 00-0179 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.52	0.73
07 62 00 00-0180 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0181 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.60	0.73
07 62 00 00-0182 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.98	0.73
07 62 00 00-0183 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.01	0.73
07 62 00 00-0184 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.73	0.73
07 62 00 00-0185 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.49	0.73
07 62 00 00-0186 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0187 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.49	0.73
07 62 00 00-0188 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.16	0.73
07 62 00 00-0189 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.41	0.73
07 62 00 00-0190 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.50	0.73
07 62 00 00-0191 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.85	0.73
07 62 00 00-0192 Steel Flashing And Trim (07 62)		
07 62 00 00-0193 Galvanized Steel Flashing And Trim (07 62 00 00-0192)		
07 62 00 00-0194 SF 26 Gauge, Galvanized Steel Flashing.....	12.28	3.56
For Wrap Around Window Panning, Add	7.72	
07 62 00 00-0195 SF 24 Gauge, Galvanized Steel Flashing.....	12.64	3.56
For Wrap Around Window Panning, Add	7.72	
07 62 00 00-0196 Galvanized Steel Drip Edge (07 62 00 00-0192)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0197 Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0198 26 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0199 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.02	0.73
07 62 00 00-0200 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.55	0.73
07 62 00 00-0201 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.93	0.73
07 62 00 00-0202 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.57	0.73
07 62 00 00-0203 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.60	0.73
07 62 00 00-0204 24 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0205 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.25	0.73
07 62 00 00-0206 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.86	0.73
07 62 00 00-0207 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.30	0.73
07 62 00 00-0208 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.04	0.73
07 62 00 00-0209 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.22	0.73
07 62 00 00-0210 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0211 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0212 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.72	0.73
07 62 00 00-0213 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.49	0.73
07 62 00 00-0214 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.03	0.73
07 62 00 00-0215 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.97	0.73
07 62 00 00-0216 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.46	0.73
07 62 00 00-0217 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0218 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.06	0.73
07 62 00 00-0219 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.94	0.73
07 62 00 00-0220 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.57	0.73
07 62 00 00-0221 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.64	0.73
07 62 00 00-0222 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.36	0.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001 Pitch Pockets (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0003	EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	54.77	
	<i>For Pourable Sealer Filled, Add</i>	22.31	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.16	
07 63 00 00-0004	EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	60.94	
	<i>For Pourable Sealer Filled, Add</i>	50.21	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.12	
07 63 00 00-0005	EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	69.00	
	<i>For Pourable Sealer Filled, Add</i>	89.25	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.53	
07 63 00 00-0006	EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	74.37	
	<i>For Pourable Sealer Filled, Add</i>	111.56	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	55.82	
07 63 00 00-0007	EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	78.87	
	<i>For Pourable Sealer Filled, Add</i>	133.87	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	66.94	
07 63 00 00-0008	SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	86.01	
	<i>For Pourable Sealer Filled, Add</i>	200.80	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.18	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0010	EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	73.88	
	<i>For Pourable Sealer Filled, Add</i>	22.31	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.16	
07 63 00 00-0011	EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	83.50	
	<i>For Pourable Sealer Filled, Add</i>	50.21	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.12	
07 63 00 00-0012	EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	95.48	
	<i>For Pourable Sealer Filled, Add</i>	89.25	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.53	
07 63 00 00-0013	EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	104.03	
	<i>For Pourable Sealer Filled, Add</i>	111.56	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	55.82	
07 63 00 00-0014	EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	109.29	
	<i>For Pourable Sealer Filled, Add</i>	133.87	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	66.94	
07 63 00 00-0015	SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	118.22	
	<i>For Pourable Sealer Filled, Add</i>	200.80	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.18	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0017	EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	66.17	
	<i>For Pourable Sealer Filled, Add</i>	22.31	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.16	
07 63 00 00-0018	EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	73.80	
	<i>For Pourable Sealer Filled, Add</i>	50.21	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.12	
07 63 00 00-0019	EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	80.61	
	<i>For Pourable Sealer Filled, Add</i>	89.25	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.53	
07 63 00 00-0020	EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	85.75	
	<i>For Pourable Sealer Filled, Add</i>	111.56	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	55.82	
07 63 00 00-0021	EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	89.96	
	<i>For Pourable Sealer Filled, Add</i>	133.87	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	66.94	
07 63 00 00-0022	SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	96.34	
	<i>For Pourable Sealer Filled, Add</i>	200.80	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.18	

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	45.13	
	<i>For Pourable Sealer Filled, Add</i>	22.31	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.16	
07 63 00 00-0025	EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	47.91	
	<i>For Pourable Sealer Filled, Add</i>	50.21	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.12	
07 63 00 00-0026	EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	51.23	
	<i>For Pourable Sealer Filled, Add</i>	89.25	
	<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.53	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout <i>For Pourable Sealer Filled, Add</i>	53.74 111.56	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	55.82	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout <i>For Pourable Sealer Filled, Add</i>	56.26 133.87	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	66.94	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout <i>For Pourable Sealer Filled, Add</i>	60.88 200.80	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.18	
07 63 00 00-0030			Lead Pipe Flashing For Roofs (07 63) Note: Includes 6" skirt base.		
07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	82.64	28.46
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	82.64	28.46
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	97.05	28.46
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	105.28	28.46
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	109.40	28.46
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	111.46	28.46
07 63 00 00-0037	EA		6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	132.04	28.46
07 63 00 00-0038	EA		8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	141.30	28.46
07 63 00 00-0039			Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)		
07 63 00 00-0040	EA		2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	62.89	18.40
07 63 00 00-0041	EA		3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	63.42	18.40
07 63 00 00-0042	EA		4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	65.29	18.40
07 63 00 00-0043	EA		6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	74.66	18.40
07 65 Flexible Flashing (07 60)					
07 65 16 Modified Bituminous Sheet Flashing (07 65)					
07 65 16 00-0001			Liquid Flashing System For Modified And BUR Systems (07 65 16) See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002	SF		60 Mil, Urethane Elastomer Liquid Applied Flashing..... Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.	6.97	1.51
07 65 19 Plastic Sheet Flashing (07 65)					
07 65 19 00-0001			Plastic Flashing And Trim (07 65 19)		
07 65 19 00-0002			Neoprene Flashing (07 65 19 00-0001)		
07 65 19 00-0003			60 Mil Neoprene Flashing (07 65 19 00-0002)		
07 65 19 00-0004	LF		6" Wide Strip, 60 Mil, Neoprene Flashing	5.85	1.99
07 65 19 00-0005	LF		12" Wide Strip, 60 Mil, Neoprene Flashing	7.54	2.13
07 65 19 00-0006	LF		18" Wide Strip, 60 Mil, Neoprene Flashing	9.45	2.35
07 65 19 00-0007	LF		24" Wide Strip, 60 Mil, Neoprene Flashing	11.49	2.64
07 65 33 Plastic Flashing (07 65)					
07 65 33 00-0001			Neoprene Roof Boot (07 65 33)		
07 65 33 00-0002	EA		Neoprene Roof Boot For 2" Diameter Pipe.....	25.27	6.10
07 65 33 00-0003	EA		Neoprene Roof Boot For 3" Diameter Pipe.....	29.39	6.83
07 65 33 00-0004	EA		Neoprene Roof Boot For 4" Diameter Pipe.....	32.40	7.35
07 70 Roof And Wall Specialties And Accessories (07)					
			Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 71 Roof Specialties (07 70)					
07 71 13 Manufactured Copings (07 71)					
07 71 13 00-0001			Galvanized Steel Copings (07 71 13)		
07 71 13 00-0002			KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001) Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF		10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	17.68	1.59
07 71 13 00-0004	LF		>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	18.67	1.72
07 71 13 00-0005	LF		>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	21.23	1.81
07 71 13 00-0006	LF		>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	24.61	1.99



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	29.62	2.07
07 71 13 00-0008		Aluminum Copings <small>(07 71 13)</small>		
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.17	1.59
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.14	1.72
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.57	1.81
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.90	1.99
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.82	2.07
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.32	1.59
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.37	1.72
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.02	1.81
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	22.66	1.99
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.05	2.07
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.27	1.59
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.46	1.72
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.83	1.81
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	25.90	1.99
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.30	2.07
07 71 13 00-0028		KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	19.36	1.59
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	20.67	1.72
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.12	1.81
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.82	1.99
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	35.88	2.07
07 71 13 00-0035		0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.03	1.59
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.45	1.72
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.23	1.81
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	31.37	1.99
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.12	2.07
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.41	1.59
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.04	1.72
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.86	1.81
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	36.08	1.99

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	46.73	2.07
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008) Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	20.36	1.59
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	21.73	1.72
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.39	1.81
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	30.35	1.99
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	37.82	2.07
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	22.14	1.59
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.62	1.72
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.62	1.81
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	33.06	1.99
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.26	2.07
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.59	1.59
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.31	1.72
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	30.41	1.81
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.04	1.99
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	49.33	2.07
07 71 13 00-0066			Remove And Reinstall Metal Coping (07 71 13)		
07 71 13 00-0067	LF		Remove And Reinstall Metal Coping.....	7.72	
07 71 19			Manufactured Gravel Stops And Fasciae (07 71)		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.48	1.33
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.63	1.37
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.83	1.41
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.06	1.33
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.23	1.37
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.46	1.41
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.81	1.33
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.95	1.37
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.26	1.41



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.32	1.33
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.48	1.37
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.82	1.41
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	7.28	1.33
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	7.59	1.37
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	7.94	1.41
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	7.76	1.33
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	8.01	1.37
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	8.26	1.41
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	8.24	1.33
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	8.49	1.37
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	8.78	1.41
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	8.76	1.33
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	8.97	1.37
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	9.17	1.41
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	12.25	1.33
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	12.48	1.37
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	12.70	1.41
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	12.95	1.33
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	13.21	1.37
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	13.46	1.41
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	13.85	1.33
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.07	1.37
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.26	1.41
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.46	1.33
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.71	1.37
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	14.92	1.41
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.29	2.20
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.82	2.28
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.47	2.35
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.87	2.20
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.42	2.28

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.10	2.35
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.62	2.20
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.14	2.28
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.90	2.35
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.13	2.20
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.67	2.28
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.46	2.35
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.53	2.20
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.95	2.28
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.46	2.35
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.93	2.20
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.36	2.28
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.90	2.35
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.45	2.20
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.86	2.28
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.42	2.35
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.80	2.20
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.22	2.28
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.81	2.35
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.06	2.20
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.67	2.28
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.34	2.35
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.76	2.20
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.40	2.28
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.10	2.35
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.66	2.20
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.26	2.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.90	2.35
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.27	2.20
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.90	2.28
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.56	2.35
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	8.60	1.33
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	10.70	1.37
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	15.10	1.41
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	10.33	1.33
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	13.01	1.37
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	18.55	1.41
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	12.16	1.33
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	15.46	1.37
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	22.22	1.41
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	11.54	2.20
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	14.06	2.28
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	18.96	2.35
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	13.27	2.20
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	16.37	2.28
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	22.41	2.35
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	15.10	2.20
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	18.82	2.28
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	26.08	2.35
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.50	1.33
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.63	1.37
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.86	1.41
07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	12.31	2.20
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	12.82	2.28

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	13.50	2.35
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	36.79	1.33
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	41.70	1.37
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	47.93	1.41
07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	44.89	1.33
07 71 19 00-0155 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	51.60	1.37
07 71 19 00-0156 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	58.73	1.41
07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	39.73	2.20
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	45.06	2.28
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	51.79	2.35
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	47.83	2.20
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	54.96	2.28
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	62.59	2.35
07 71 19 00-0166 Fascia (07 71 19)		
07 71 19 00-0167 Snap-On Cover Fascia (07 71 19 00-0166)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	12.36	1.84
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	13.69	1.91
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	14.59	1.99
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	72.94	2.57
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	77.68	2.57
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	80.66	2.57
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	60.02	2.57
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	62.42	2.57
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	63.87	2.57
07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	13.32	1.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	14.98	1.91
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.88	1.99
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	13.95	1.84
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.79	1.91
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.79	1.99
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	81.85	2.57
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	88.66	2.57
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	91.64	2.57
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	65.05	2.57
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	68.45	2.57
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	69.93	2.57
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.25	1.84
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.21	1.91
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.26	1.99
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.00	1.84
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.18	1.91
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.35	1.99
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	101.02	2.57
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	109.54	2.57
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	113.26	2.57
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	80.03	2.57
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	84.27	2.57
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	86.13	2.57

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 Manufactured Gutters And Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001	Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002	Aluminum Gutters (07 71 23 00-0001)		
	Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003	K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004	LF 5", 0.027" Thick, K-Style Aluminum Gutter	6.31	2.78
	For Kynar 500® Finish, Add	0.76	
07 71 23 00-0005	LF 6", 0.027" Thick, K-Style Aluminum Gutter	6.78	2.78
	For Kynar 500® Finish, Add	0.97	
07 71 23 00-0006	LF 5", 0.032" Thick, K-Style Aluminum Gutter	6.56	2.78
	For Kynar 500® Finish, Add	0.87	
07 71 23 00-0007	LF 6", 0.032" Thick, K-Style Aluminum Gutter	7.09	2.78
	For Kynar 500® Finish, Add	1.11	
07 71 23 00-0008	LF 7", 0.032" Thick, K-Style Aluminum Gutter	12.58	2.78
	For Kynar 500® Finish, Add	3.58	
07 71 23 00-0009	LF 8", 0.032" Thick, K-Style Aluminum Gutter	13.32	2.78
	For Kynar 500® Finish, Add	3.91	
07 71 23 00-0010	LF 8", 0.040" Thick, K-Style Aluminum Gutter	14.99	2.78
	For Kynar 500® Finish, Add	4.66	
07 71 23 00-0011	Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF 5", 0.027" Thick, Half Round Aluminum Gutter	11.17	2.78
	For Kynar 500® Finish, Add	2.94	
07 71 23 00-0013	LF 6", 0.032" Thick, Half Round Aluminum Gutter	13.15	2.78
	For Kynar 500® Finish, Add	3.83	
07 71 23 00-0014	Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF 6", 0.027" Thick, Box Style Aluminum Gutter	10.70	2.78
	For Kynar 500® Finish, Add	2.73	
07 71 23 00-0016	LF 6", 0.032" Thick, Box Style Aluminum Gutter	10.73	2.78
	For Kynar 500® Finish, Add	2.75	
07 71 23 00-0017	LF 7", 0.032" Thick, Box Style Aluminum Gutter	12.23	2.78
	For Kynar 500® Finish, Add	3.42	
07 71 23 00-0018	LF 8", 0.032" Thick, Box Style Aluminum Gutter	13.58	2.78
	For Kynar 500® Finish, Add	4.03	
07 71 23 00-0019	Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020	K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA 5", K-Style Aluminum Gutter End Cap	2.81	
	For Kynar 500® Finish, Add	0.27	
07 71 23 00-0022	EA 6", K-Style Aluminum Gutter End Cap	3.28	
	For Kynar 500® Finish, Add	0.48	
07 71 23 00-0023	EA 7", K-Style Aluminum Gutter End Cap	6.17	
	For Kynar 500® Finish, Add	1.78	
07 71 23 00-0024	EA 8", K-Style Aluminum Gutter End Cap	7.06	
	For Kynar 500® Finish, Add	2.18	
07 71 23 00-0025	Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA 5", Half Round Aluminum Gutter End Cap	4.02	
	For Kynar 500® Finish, Add	0.81	
07 71 23 00-0027	EA 6", Half Round Aluminum Gutter End Cap	5.78	
	For Kynar 500® Finish, Add	1.60	
07 71 23 00-0028	Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA 6", Box Style Aluminum Gutter End Cap	6.66	
	For Kynar 500® Finish, Add	2.00	
07 71 23 00-0030	EA 7", Box Style Aluminum Gutter End Cap	7.17	
	For Kynar 500® Finish, Add	2.23	
07 71 23 00-0031	EA 8", Box Style Aluminum Gutter End Cap	8.27	
	For Kynar 500® Finish, Add	2.72	
07 71 23 00-0032	Aluminum Gutter Miters (07 71 23 00-0001)		
	Note: Inside or outside miters.		
07 71 23 00-0033	K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA 5", K-Style Aluminum Gutter Miter	8.52	
	For Kynar 500® Finish, Add	2.08	
07 71 23 00-0035	EA 6", K-Style Aluminum Gutter Miter	11.90	
	For Kynar 500® Finish, Add	3.60	
07 71 23 00-0036	EA 7", K-Style Aluminum Gutter Miter	42.43	
	For Kynar 500® Finish, Add	17.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0037 EA 8", K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	45.86 18.89	
07 71 23 00-0038 Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039 EA 5", Half Round Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	17.01 5.90	
07 71 23 00-0040 EA 6", Half Round Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	28.05 10.87	
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	34.10 13.59	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	52.07 21.68	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	56.35 23.61	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	10.41 2.08	2.78
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	14.30 3.83	2.78
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i>	5.20 1.04	2.66
07 71 23 00-0051 LF 4" Diameter, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i>	5.74 1.28	2.66
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	4.07 0.53	2.66
07 71 23 00-0054 LF 3" x 4", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	4.76 0.84	2.66
07 71 23 00-0055 LF 4" x 5", Rectangular Aluminum Downspout <i>For Kynar 500® Finish, Add</i>	7.66 2.15	2.66
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet <i>For Kynar 500® Finish, Add</i>	99.76 20.10	16.53
07 71 23 00-0058 EA Aluminum Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	137.13 45.18	18.37
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	13.29	2.78
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	18.69	2.78
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	22.15	2.78
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	23.75	2.78
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	29.31	2.78
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	33.83	2.78
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	37.16	2.78
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter	16.06	2.78
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter	20.19	2.78
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter	33.92	2.78
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter	18.82	2.78
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter	23.12	2.78
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter	35.71	2.78
07 71 23 00-0076 LF 8", 20 Ounce, Half Round Copper Gutter	40.14	2.78
07 71 23 00-0077 Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078 K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079 EA 4", K-Style Copper Gutter End Cap	5.20	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0080 EA 5", K-Style Copper Gutter End Cap	5.53	
07 71 23 00-0081 EA 6", K-Style Copper Gutter End Cap	5.86	
07 71 23 00-0082 EA 7", K-Style Copper Gutter End Cap	14.69	
07 71 23 00-0083 EA 8", K-Style Copper Gutter End Cap	17.79	
07 71 23 00-0084 Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085 EA 4", Half Round Copper Gutter End Cap	6.18	
07 71 23 00-0086 EA 5", Half Round Copper Gutter End Cap	6.88	
07 71 23 00-0087 EA 6", Half Round Copper Gutter End Cap	10.11	
07 71 23 00-0088 EA 7", Half Round Copper Gutter End Cap	29.35	
07 71 23 00-0089 EA 8", Half Round Copper Gutter End Cap	34.57	
07 71 23 00-0090 Copper Gutter Miters (07 71 23 00-0059)		
Note: Inside or outside miters.		
07 71 23 00-0091 K-Style, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0092 EA 4", K-Style Copper Gutter Miter	26.02	
07 71 23 00-0093 EA 5", K-Style Copper Gutter Miter	29.41	
07 71 23 00-0094 EA 6", K-Style Copper Gutter Miter	43.77	
07 71 23 00-0095 EA 7", K-Style Copper Gutter Miter	63.48	
07 71 23 00-0096 EA 8", K-Style Copper Gutter Miter	74.80	
07 71 23 00-0097 Half Round, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0098 EA 4", Half Round Copper Gutter Miter	42.88	
07 71 23 00-0099 EA 5", Half Round Copper Gutter Miter	38.76	
07 71 23 00-0100 EA 6", Half Round Copper Gutter Miter	57.29	
07 71 23 00-0101 EA 7", Half Round Copper Gutter Miter	68.73	
07 71 23 00-0102 EA 8", Half Round Copper Gutter Miter	81.60	
07 71 23 00-0103 Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0104 EA 2" Diameter, Round Copper Wire Strainer	12.78	2.78
07 71 23 00-0105 EA 3" Diameter, Round Copper Wire Strainer	15.07	2.88
07 71 23 00-0106 EA 4" Diameter, Round Copper Wire Strainer	22.56	2.78
07 71 23 00-0107 EA 5" Diameter, Round Copper Wire Strainer	29.09	2.78
07 71 23 00-0108 EA 6" Diameter, Round Copper Wire Strainer	34.56	2.78
07 71 23 00-0109 Copper Downspouts (07 71 23 00-0059)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110 Round Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0111 LF 2" Diameter, 16 Ounce, Round Copper Downspout	19.99	2.66
07 71 23 00-0112 LF 3" Diameter, 16 Ounce, Round Copper Downspout	14.15	2.66
07 71 23 00-0113 LF 4" Diameter, 16 Ounce, Round Copper Downspout	17.64	2.66
07 71 23 00-0114 LF 5" Diameter, 16 Ounce, Round Copper Downspout	27.73	2.66
07 71 23 00-0115 LF 6" Diameter, 16 Ounce, Round Copper Downspout	35.44	2.66
07 71 23 00-0116 LF 3" Diameter, 20 Ounce, Round Copper Downspout	18.88	2.66
07 71 23 00-0117 LF 4" Diameter, 20 Ounce, Round Copper Downspout	24.27	2.66
07 71 23 00-0118 LF 5" Diameter, 20 Ounce, Round Copper Downspout	36.49	2.66
07 71 23 00-0119 Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120 LF 3" Diameter, 16 Ounce, Square Copper Downspout	10.03	2.66
07 71 23 00-0121 LF 4" Diameter, 16 Ounce, Square Copper Downspout	12.35	2.66
07 71 23 00-0122 LF 5" Diameter, 16 Ounce, Square Copper Downspout	17.35	2.66
07 71 23 00-0123 LF 3" Diameter, 20 Ounce, Square Copper Downspout	11.47	2.66
07 71 23 00-0124 LF 4" Diameter, 20 Ounce, Square Copper Downspout	14.36	2.66
07 71 23 00-0125 LF 5" Diameter, 20 Ounce, Square Copper Downspout	20.29	2.66
07 71 23 00-0126 Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127 LF 2" x 3", 16 Ounce, Rectangular Copper Downspout	14.51	2.66
07 71 23 00-0128 LF 3" x 4", 16 Ounce, Rectangular Copper Downspout	18.15	2.66
07 71 23 00-0129 LF 4" x 5", 16 Ounce, Rectangular Copper Downspout	25.50	2.66
07 71 23 00-0130 LF 2" x 3", 20 Ounce, Rectangular Copper Downspout	16.78	2.66
07 71 23 00-0131 LF 3" x 4", 20 Ounce, Rectangular Copper Downspout	21.29	2.66
07 71 23 00-0132 LF 4" x 5", 20 Ounce, Rectangular Copper Downspout	30.24	2.66
07 71 23 00-0133 Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0134 EA Thru-Wall Copper Scupper Outlet.....	152.41	16.53
07 71 23 00-0135 EA Copper Leader/Conductor Head	221.99	18.37
07 71 23 00-0136 EA Copper Eave Box.....	109.02	16.67
07 71 23 00-0137 Galvanized Steel Gutters And Downspouts (07 71 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0138 Galvanized Steel Gutters (07 71 23 00-0137) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139 K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	7.33 1.22	2.78
07 71 23 00-0141 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	8.15 1.58	2.78
07 71 23 00-0142 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	17.73 5.90	2.78
07 71 23 00-0143 LF 8", 24 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	18.20 6.11	2.78
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	10.11 2.47	2.78
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	12.25 3.43	2.78
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	28.91 10.93	2.78
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	30.41 11.60	2.78
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150 LF 7", 26 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	18.80 6.38	2.78
07 71 23 00-0151 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	19.88 6.86	2.78
07 71 23 00-0152 Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0153 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0154 EA 5", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.83 0.72	
07 71 23 00-0155 EA 6", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.26 0.92	
07 71 23 00-0156 EA 7", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.03 2.61	
07 71 23 00-0157 EA 8", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.19 4.04	
07 71 23 00-0158 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0159 EA 5", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.64 1.09	
07 71 23 00-0160 EA 6", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	5.18 1.33	
07 71 23 00-0161 EA 7", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.76 2.94	
07 71 23 00-0162 EA 8", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.47 4.16	
07 71 23 00-0163 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0152)		
07 71 23 00-0164 EA 7", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	9.74 3.38	
07 71 23 00-0165 EA 8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	12.70 4.72	
07 71 23 00-0166 Galvanized Steel Gutter Miters (07 71 23 00-0137) Note: Inside or outside miters.		
07 71 23 00-0167 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0166)		
07 71 23 00-0168 EA 5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	14.84 4.93	
07 71 23 00-0169 EA 6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	24.84 9.43	
07 71 23 00-0170 EA 7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	40.74 16.58	
07 71 23 00-0171 EA 8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	45.67 18.80	
07 71 23 00-0172 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0166)		
07 71 23 00-0173 EA 5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	21.03 7.71	
07 71 23 00-0174 EA 6", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	23.47 8.81	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0175	EA		7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	70.48 29.97	
07 71 23 00-0176	EA		8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	74.18 31.63	
07 71 23 00-0177			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0166)		
07 71 23 00-0178	EA		7", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	43.20 17.69	
07 71 23 00-0179	EA		8", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	45.67 18.80	
07 71 23 00-0180			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0181	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	9.47 1.66	2.78
07 71 23 00-0182	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	12.60 3.06	2.78
07 71 23 00-0183			Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0184			Round Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0185	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.86 0.89	2.66
07 71 23 00-0186	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.70 1.26	2.66
07 71 23 00-0187	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	7.26 1.97	2.66
07 71 23 00-0188	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	14.46 5.21	2.66
07 71 23 00-0189			Square Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0190	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	5.33 1.10	2.66
07 71 23 00-0191	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	6.44 1.60	2.66
07 71 23 00-0192			Rectangular Galvanized Steel Downspouts (07 71 23 00-0183)		
07 71 23 00-0193	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.92 0.91	2.66
07 71 23 00-0194	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.90 1.35	2.66
07 71 23 00-0195	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	9.76 3.09	2.66
07 71 23 00-0196			Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0197	EA		Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	162.53 56.61	18.37
07 71 23 00-0198	EA		Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	100.77 20.55	16.53
07 71 23 00-0199			Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		
07 71 23 00-0200			Stainless Steel Gutters (07 71 23 00-0199) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0201			K-Style Stainless Steel Gutters (07 71 23 00-0200)		
07 71 23 00-0202	LF		5", 0.018" Thick, K-Style Stainless Steel Gutter.....	16.72	2.78
07 71 23 00-0203	LF		6", 0.018" Thick, K-Style Stainless Steel Gutter.....	19.74	2.78
07 71 23 00-0204			Half Round Stainless Steel Gutters (07 71 23 00-0200)		
07 71 23 00-0205	LF		5", 0.018" Thick, Half Round Stainless Steel Gutter	22.93	2.78
07 71 23 00-0206	LF		6", 0.018" Thick, Half Round Stainless Steel Gutter	27.47	2.78
07 71 23 00-0207			Stainless Steel Gutter End Caps (07 71 23 00-0199)		
07 71 23 00-0208			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0207)		
07 71 23 00-0209	EA		5", K-Style Stainless Steel Gutter End Cap.....	6.00	
07 71 23 00-0210	EA		6", K-Style Stainless Steel Gutter End Cap.....	6.76	
07 71 23 00-0211			Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0207)		
07 71 23 00-0212	EA		5", Half Round Stainless Steel Gutter End Cap	6.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0213 EA 6", Half Round Stainless Steel Gutter End Cap	7.89	
07 71 23 00-0214 Stainless Steel Gutter Miters (07 71 23 00-0199) Note: Inside or outside box miters.		
07 71 23 00-0215 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0214)		
07 71 23 00-0216 EA 5", K-Style Stainless Steel Gutter Miter	23.42	
07 71 23 00-0217 EA 6", K-Style Stainless Steel Gutter Miter	38.55	
07 71 23 00-0218 Half Round, Stainless Steel Gutter Miters (07 71 23 00-0214)		
07 71 23 00-0219 EA 5", Half Round Stainless Steel Gutter Miter	61.23	
07 71 23 00-0220 EA 6", Half Round Stainless Steel Gutter Miter	75.07	
07 71 23 00-0221 Stainless Steel Gutter Wire Strainers (07 71 23 00-0199)		
07 71 23 00-0222 EA 3" Diameter, Round Stainless Steel Wire Strainer	25.57	2.78
07 71 23 00-0223 EA 4" Diameter, Round Stainless Steel Wire Strainer	26.11	2.78
07 71 23 00-0224 Stainless Steel Downspouts (07 71 23 00-0199) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0225 Round Stainless Steel Downspouts (07 71 23 00-0224)		
07 71 23 00-0226 LF 3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	15.88	2.66
07 71 23 00-0227 LF 4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	27.68	2.66
07 71 23 00-0228 LF 5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	42.12	2.66
07 71 23 00-0229 Rectangular Stainless Steel Downspouts (07 71 23 00-0224)		
07 71 23 00-0230 LF 2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	10.92	2.66
07 71 23 00-0231 LF 3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	14.18	2.66
07 71 23 00-0232 LF 4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	33.37	2.66
07 71 23 00-0233 Stainless Steel Devices (07 71 23 00-0199)		
07 71 23 00-0234 EA Thru-Wall Stainless Steel Scupper Outlet	203.78	25.01
07 71 23 00-0235 EA Stainless Steel Leader/Conductor Head	231.69	25.01
07 71 23 00-0236 Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0237 Vinyl Gutters (07 71 23 00-0236) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0238 K-Style Vinyl Gutters (07 71 23 00-0237)		
07 71 23 00-0239 LF 4", K-Style Vinyl Gutter	7.95	2.78
07 71 23 00-0240 LF 5", K-Style Vinyl Gutter	9.66	2.78
07 71 23 00-0241 Half Round Vinyl Gutters (07 71 23 00-0237)		
07 71 23 00-0242 LF 4", Half Round Vinyl Gutter	8.15	2.78
07 71 23 00-0243 LF 5", Half Round Vinyl Gutter	8.46	2.78
07 71 23 00-0244 Vinyl Gutter End Caps (07 71 23 00-0236)		
07 71 23 00-0245 K-Style, Vinyl Gutter End Caps (07 71 23 00-0244)		
07 71 23 00-0246 EA 4", K-Style Vinyl Gutter End Cap	4.63	
07 71 23 00-0247 EA 5", K-Style Vinyl Gutter End Cap	6.05	
07 71 23 00-0248 Half Round, Vinyl Gutter End Caps (07 71 23 00-0244)		
07 71 23 00-0249 EA 4", Half Round Vinyl Gutter End Cap	5.15	
07 71 23 00-0250 EA 5", Half Round Vinyl Gutter End Cap	4.92	
07 71 23 00-0251 Vinyl Gutter Miters (07 71 23 00-0236) Note: Inside or outside miters.		
07 71 23 00-0252 K-Style, Vinyl Gutter Miters (07 71 23 00-0251)		
07 71 23 00-0253 EA 4", K-Style Vinyl Gutter Miter	10.82	
07 71 23 00-0254 EA 5", K-Style Vinyl Gutter Miter	15.40	
07 71 23 00-0255 Half Round, Vinyl Gutter Miters (07 71 23 00-0251)		
07 71 23 00-0256 EA 4", Half Round Vinyl Gutter Miter	10.82	
07 71 23 00-0257 EA 5", Half Round Vinyl Gutter Miter	11.61	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0258			Vinyl Downspouts (07 71 23 00-0236) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0259			Round Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0260	LF		2-1/2" Diameter, Round Vinyl Downspout.....	5.16	2.66
07 71 23 00-0261	LF		3" Diameter, Round Vinyl Downspout.....	5.32	2.66
07 71 23 00-0262			Square Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0263	LF		2-1/2", Square Vinyl Downspout.....	5.09	2.66
07 71 23 00-0264			Rectangular Vinyl Downspouts (07 71 23 00-0258)		
07 71 23 00-0265	LF		2" x 3", Rectangular Vinyl Downspout.....	6.16	2.66
07 71 23 00-0266			Gutter And Downspout Boot (07 71 23)		
07 71 23 00-0267			Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0266)		
07 71 23 00-0268	EA		2" x 3" Cast Iron Roof Drainage Downspout Boot.....	210.94	4.00
07 71 23 00-0269	EA		3" x 4" Cast Iron Roof Drainage Downspout Boot.....	221.48	4.00
07 71 23 00-0270	EA		4" x 5" Cast Iron Roof Drainage Downspout Boot.....	264.05	4.00
07 71 23 00-0271			Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0272	LF		Aluminum Mesh Gutter Leaf Guard.....	1.93	0.69
07 71 23 00-0273	LF		Vinyl Mesh Gutter Leaf Guard.....	1.99	0.69
07 71 23 00-0274	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	11.45	0.87
07 71 23 00-0275	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	16.31	0.87
07 71 23 00-0276	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	8.72	0.87
07 71 23 00-0277	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	13.38	0.87
07 71 23 00-0278	EA		Cleanout Roof Drain.....	105.97	
			Note: Includes removing dome and flushing.		
07 71 23 00-0279	LF		Clean Gutters And Downspouts.....	1.37	
07 71 26			Reglets (07 71)		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26) Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	9.19	3.27
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	9.26	3.27
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	9.39	3.27
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	9.87	3.27
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	10.14	3.27
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	10.45	3.27
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.38	3.27
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.48	3.27
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.67	3.27
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	11.36	3.27
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	11.76	3.27
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	12.22	3.27
07 71 26 00-0017			Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.11	3.27
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.67	3.27
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	11.24	3.27
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	11.65	3.27
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	12.55	3.27
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.87	3.27
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	8.82	3.27
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	9.18	3.27
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	9.54	3.27
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	9.80	3.27
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	10.38	3.27
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.22	3.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	9.85	3.27
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.37	3.27
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.89	3.27
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.27	3.27
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.11	3.27
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.33	3.27
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	13.06	3.27
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	14.22	3.27
07 71 26 00-0043 Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044 Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	23.70	3.27
07 72 Roof Accessories <small>(07 70)</small>		
07 72 13 Manufactured Curbs <small>(07 72)</small>		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small>		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	296.45	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	302.45	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	324.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	347.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	364.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	452.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	304.45	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	325.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	338.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.14	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	343.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	436.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.92	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	476.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	371.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	404.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	415.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	455.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	487.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	526.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	415.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	444.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	486.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	496.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	87.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	537.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof		
Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	309.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	312.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.05	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.05	
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	334.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	58.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	360.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	379.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	67.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	464.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	313.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.57	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	352.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	372.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	395.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	452.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	496.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	383.89 29.64 68.03 8.10 52.10 63.10	87.44
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	414.31 31.72 73.15 9.75 50.75 70.75	97.16
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	430.31 33.32 76.35 11.55 46.55 80.55	97.16
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	471.75 36.49 83.66 13.50 58.50 90.50	106.87
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	506.18 38.96 89.58 15.45 71.45 96.45	116.59
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	548.61 42.23 97.09 18.60 81.60 115.60	126.31
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	430.31 33.32 76.35 12.30 45.30 83.30	97.16
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	460.75 35.39 81.46 14.10 63.10 94.10	106.87
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	503.18 38.66 88.98 18.30 67.30 96.30	116.59
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	516.18 39.96 91.58 18.30 67.30 117.30	116.59
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	559.61 43.33 99.29 23.10 73.10 137.10	126.31
07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	316.45 23.87 55.52 3.30 24.30 35.30	77.73
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	319.45 24.17 56.12 4.05 32.05 42.05	77.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	339.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.24	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.23	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	368.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.14	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.03	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	390.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.34	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0058 EA 26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	478.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.12	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0059 EA 38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	319.45	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.17	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0060 EA 38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	339.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.24	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.23	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	
07 72 13 00-0061 EA 38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	390.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.34	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	414.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.74	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.23	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	464.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.72	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	509.75	106.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.29	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.26	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	391.89	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.44	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	425.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	440.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.32	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.35	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	483.75	106.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.69	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0069 EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	518.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0070 EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	562.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	99.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	440.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0072 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	471.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0073 EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	516.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	91.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0074 EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	529.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.26	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0075 EA 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078 EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	285.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.77	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0079 EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	298.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.07	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	51.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.05	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.05	
07 72 13 00-0080 EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	342.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0081 EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	372.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0082 EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	394.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0083 EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	494.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0084	EA			38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 322.45 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 24.47 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 56.72 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 5.25 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 45.25 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 63.25	322.45	77.73
07 72 13 00-0085	EA			38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 350.89 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 26.34 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 61.43 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 6.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 48.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 65.30	350.89	87.44
07 72 13 00-0086	EA			38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 360.89 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 27.34 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 63.43 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 7.80 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 51.80 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 65.80	360.89	87.44
07 72 13 00-0087	EA			38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 369.89 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 28.24 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 65.23 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 9.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 57.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 70.30	369.89	87.44
07 72 13 00-0088	EA			38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 470.31 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 37.32 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 84.35 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 12.00 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 65.00 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 85.00	470.31	97.16
07 72 13 00-0089	EA			38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 516.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 40.99 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 92.66 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 14.70 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 75.70 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 99.70	516.75	106.87
07 72 13 00-0090	EA			50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 395.89 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 30.84 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 70.43 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 8.10 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 52.10 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 63.10	395.89	87.44
07 72 13 00-0091	EA			50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 429.31 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 33.22 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 76.15 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 9.75 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 50.75 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 70.75	429.31	97.16
07 72 13 00-0092	EA			50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 445.31 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 34.82 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 79.35 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 11.55 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 46.55 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 80.55	445.31	97.16
07 72 13 00-0093	EA			50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 489.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 38.29 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 87.26 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 13.50 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 58.50 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 90.50	489.75	106.87
07 72 13 00-0094	EA			51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 524.18 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 40.76 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 93.18 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 15.45 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 71.45 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 96.45	524.18	116.59
07 72 13 00-0095	EA			51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 569.61 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 44.33 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 101.29 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 18.60 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 81.60 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 115.60	569.61	126.31
07 72 13 00-0096	EA			62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 445.31 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 34.82 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 79.35 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 12.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 45.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 83.30	445.31	97.16
07 72 13 00-0097	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb 476.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 36.99 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 84.66 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 14.10 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 63.10 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 94.10	476.75	106.87

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	522.18 40.56 92.78 18.30 67.30 96.30	116.59
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	536.18 41.96 95.58 18.30 67.30 117.30	116.59
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	582.61 45.63 103.89 23.10 73.10 137.10	126.31
07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)					
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	294.45 21.67 51.12 3.30 24.30 35.30	77.73
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	309.45 23.17 54.12 4.05 32.05 42.05	77.73
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	357.89 27.04 62.83 4.95 39.95 46.95	87.44
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	390.89 30.34 69.43 6.60 51.60 58.60	87.44
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	417.89 33.04 74.83 9.15 58.15 64.15	87.44
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	498.31 40.12 89.95 10.95 55.95 74.95	97.16
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	335.45 25.77 59.32 5.25 45.25 63.25	77.73
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	366.89 27.94 64.63 6.30 48.30 65.30	87.44
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	379.89 29.24 67.23 7.80 51.80 65.80	87.44
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	391.89 30.44 69.63 9.30 57.30 70.30	87.44



Thermal And Moisture Protection	07
Roof And Wall Specialties And Accessories	07 70
Roof Accessories	07 72

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0112 EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	494.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0113 EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	545.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	413.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	74.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	449.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	468.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	513.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.69	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	552.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.56	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	601.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	468.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	502.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	89.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	550.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	565.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	101.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	616.61	126.31
For Sloped Roofs Up To 1 In 12 Pitch, Add	49.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	110.69	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....301.45		77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.37	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....317.45		77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.05	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.05	
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....366.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....402.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....432.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....530.31		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....345.45		77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.77	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....383.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.64	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	68.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....401.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....405.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....512.31		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....565.75		106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....425.89		87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....462.31		97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	483.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.62	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	531.75	106.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.49	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	95.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	570.18	116.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.36	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	623.61	126.31
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.73	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	112.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	483.31	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.62	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	520.75	106.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.39	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	93.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	567.18	116.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.06	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	101.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	585.18	116.59
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.86	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	638.61	126.31
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.23	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	115.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	343.09	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.54	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.85	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	426.39	77.73
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.87	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.51	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	492.15	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.47	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.69	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	558.67	87.44
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.12	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.99	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	616.76	97.16
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.96	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	113.64	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0156	12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0157	EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	465.06	77.73
	For Sloped Roofs Up To 1 In 12 Pitch, Add	38.73	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.24	
07 72 13 00-0158	EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	578.11	77.73
	For Sloped Roofs Up To 1 In 12 Pitch, Add	50.04	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	107.85	
07 72 13 00-0159	EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	600.74	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	51.33	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	111.40	
07 72 13 00-0160	EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	643.24	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	55.58	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	119.90	
07 72 13 00-0161	EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	722.16	97.16
	For Sloped Roofs Up To 1 In 12 Pitch, Add	62.50	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	134.72	
07 72 13 00-0162	EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	905.23	106.87
	For Sloped Roofs Up To 1 In 12 Pitch, Add	79.84	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.36	
07 72 13 00-0163	18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0164	EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	665.45	77.73
	For Sloped Roofs Up To 1 In 12 Pitch, Add	58.77	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	125.32	
07 72 13 00-0165	EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	781.05	77.73
	For Sloped Roofs Up To 1 In 12 Pitch, Add	70.33	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	148.44	
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	937.77	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	85.03	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	178.81	
07 72 13 00-0167	Wood, Prefabricated Roof Curbs (07 72 13)		
	Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	236.45	77.73
	For Sloped Roofs Up To 1 In 12 Pitch, Add	15.87	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	39.52	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	261.89	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	17.44	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	43.63	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	287.89	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	20.04	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.83	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	284.89	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	19.74	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.23	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	291.89	87.44
	For Sloped Roofs Up To 1 In 12 Pitch, Add	20.44	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.63	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	328.31 23.12 55.95 12.00 65.00 85.00	97.16
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	289.89 20.24 49.23 8.10 52.10 63.10	87.44
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	337.31 24.02 57.75 11.55 46.55 80.55	97.16
07 72 13 00-0178 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	376.18 25.96 63.58 15.45 71.45 96.45	116.59
07 72 13 00-0179 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	319.31 22.22 54.15 12.30 45.30 83.30	97.16
07 72 13 00-0180 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	350.75 24.39 59.46 14.10 63.10 94.10	106.87
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.18 27.96 67.58 18.30 67.30 117.30	116.59
07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.45 16.47 40.72 3.30 24.30 35.30	77.73
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	268.89 18.14 45.03 4.95 39.95 46.95	87.44
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	306.89 21.94 52.63 9.15 58.15 64.15	87.44
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.89 20.94 50.63 7.80 51.80 65.80	87.44
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	306.89 21.94 52.63 9.30 57.30 70.30	87.44
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	343.31 24.62 58.95 12.00 65.00 85.00	97.16

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	300.89 21.34 51.43 8.10 52.10 63.10	87.44
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	351.31 25.42 60.55 11.55 46.55 80.55	97.16
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	390.18 27.36 66.38 15.45 71.45 96.45	116.59
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	330.31 23.32 56.35 12.30 45.30 83.30	97.16
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	363.75 25.69 62.06 14.10 63.10 94.10	106.87
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	410.18 29.36 70.38 18.30 67.30 117.30	116.59
07 72 13 00-0195			2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	246.45 16.87 41.52 3.30 24.30 35.30	77.73
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.89 18.84 46.43 4.95 39.95 46.95	87.44
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	308.89 22.14 53.03 9.15 58.15 64.15	87.44
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	303.89 21.64 52.03 7.80 51.80 65.80	87.44
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	315.89 22.84 54.43 9.30 57.30 70.30	87.44
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	353.31 25.62 60.95 12.00 65.00 85.00	97.16
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	307.89 22.04 52.83 8.10 52.10 63.10	87.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	360.31 26.32 62.35 11.55 46.55 80.55	97.16
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	399.18 28.26 68.18 15.45 71.45 96.45	116.59
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	337.31 24.02 57.75 12.30 45.30 83.30	97.16
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	371.75 26.49 63.66 14.10 63.10 94.10	106.87
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	420.18 30.36 72.38 18.30 67.30 117.30	116.59
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	251.45 17.37 42.52 3.30 24.30 35.30	77.73
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	279.89 19.24 47.23 4.95 39.95 46.95	87.44
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	317.89 23.04 54.83 9.15 58.15 64.15	87.44
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.89 23.84 56.43 9.30 57.30 70.30	87.44
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	364.31 26.72 63.15 12.00 65.00 85.00	97.16
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	316.89 22.94 54.63 8.10 52.10 63.10	87.44
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	370.31 27.32 64.35 11.55 46.55 80.55	97.16
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	411.18 29.46 70.58 15.45 71.45 96.45	116.59

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	379.75 27.29 65.26 14.10 63.10 94.10	106.87
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	244.45 16.67 41.12 3.30 24.30 35.30	77.73
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	268.89 18.14 45.03 4.95 39.95 46.95	87.44
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	300.89 21.34 51.43 9.15 58.15 64.15	87.44
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	293.89 20.64 50.03 7.80 51.80 65.80	87.44
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	302.89 21.54 51.83 9.30 57.30 70.30	87.44
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	340.31 24.32 58.35 12.00 65.00 85.00	97.16
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	298.89 21.14 51.03 8.10 52.10 63.10	87.44
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	348.31 25.12 59.95 11.55 46.55 80.55	97.16
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	387.18 27.06 65.78 15.45 71.45 96.45	116.59
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	331.31 23.42 56.55 12.30 45.30 83.30	97.16
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	361.75 25.49 61.66 14.10 63.10 94.10	106.87
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	410.18 29.36 70.38 18.30 67.30 117.30	116.59
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	251.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	17.37	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	42.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	276.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	18.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	312.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	305.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	318.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.14	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	358.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	312.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.54	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	365.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	406.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.96	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	344.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	376.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	427.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	257.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	17.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	43.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	284.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	324.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	314.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.74	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	54.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	330.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	57.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	371.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	321.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	23.44	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.63	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	376.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.92	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	418.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	30.16	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	354.31	97.16
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.72	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	387.75	106.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	440.18	116.59
For Sloped Roofs Up To 1 In 12 Pitch, Add	32.36	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.38	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	269.45	77.73
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	290.89	87.44
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0261	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	333.89 24.64 58.03 9.15 58.15 64.15	87.44
07 72 13 00-0262	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	340.89 25.34 59.43 9.30 57.30 70.30	87.44
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	409.31 31.22 72.15 12.00 65.00 85.00	97.16
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	350.89 26.34 61.43 8.10 52.10 63.10	87.44
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	411.31 31.42 72.55 11.55 46.55 80.55	97.16
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	458.18 34.16 79.98 15.45 71.45 96.45	116.59
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	424.75 31.79 74.26 14.10 63.10 94.10	106.87
07 72 23 Relief Vents (07 72)					
07 72 23 00-0001	Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.				
07 72 23 00-0002	Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)				
07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	102.19 128.42	31.12
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	121.10 142.12	34.46
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	133.54 161.90	41.12
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	233.27 233.80	45.57
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	313.39 255.27	51.12
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	373.64 276.47	55.57
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	471.74 331.93	62.24
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	766.30 521.22	83.35
07 72 23 00-0011	Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)				
07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	106.70 138.39	31.12
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	130.91 153.15	34.46
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	148.17 173.14	41.12
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	247.79 269.52	45.57
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	315.37 290.39	51.12
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	393.54 324.53	55.57
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	524.53 387.40	62.24
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator <i>For Curb Or Flange Base, Add</i>	776.02 571.87	83.35

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0020 Stationary Siphon Ventilators <small>(07 72 23)</small> Note: Excludes curb or flange base.		
07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>		
07 72 23 00-0022 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	89.52	31.12
For Curb Or Flange Base, Add	128.42	
07 72 23 00-0023 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	113.85	34.46
For Curb Or Flange Base, Add	142.12	
07 72 23 00-0024 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	127.60	41.12
For Curb Or Flange Base, Add	161.90	
07 72 23 00-0025 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	200.74	45.57
For Curb Or Flange Base, Add	233.80	
07 72 23 00-0026 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	231.07	51.12
For Curb Or Flange Base, Add	255.27	
07 72 23 00-0027 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	315.46	55.57
For Curb Or Flange Base, Add	276.47	
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	404.32	62.24
For Curb Or Flange Base, Add	331.93	
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	581.33	83.35
For Curb Or Flange Base, Add	521.22	
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	103.25	31.12
For Curb Or Flange Base, Add	138.39	
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	132.97	34.46
For Curb Or Flange Base, Add	153.15	
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	149.91	41.12
For Curb Or Flange Base, Add	173.14	
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	231.52	45.57
For Curb Or Flange Base, Add	269.52	
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	287.71	51.12
For Curb Or Flange Base, Add	290.39	
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	348.59	55.57
For Curb Or Flange Base, Add	324.53	
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	489.97	62.24
For Curb Or Flange Base, Add	387.40	
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	731.85	83.35
For Curb Or Flange Base, Add	571.87	
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators <small>(07 72 23)</small> Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	223.88	50.01
For Backdraft Damper, Add	93.87	
For Curb Base, Add	161.87	
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	270.35	55.57
For Backdraft Damper, Add	102.71	
For Curb Base, Add	177.34	
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	309.18	66.68
For Backdraft Damper, Add	140.26	
For Curb Base, Add	223.19	
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	370.02	73.35
For Backdraft Damper, Add	160.14	
For Curb Base, Add	256.88	
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	900.55	100.03
For Backdraft Damper, Add	201.00	
For Curb Base, Add	339.75	
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,094.06	115.59
For Backdraft Damper, Add	237.44	
For Curb Base, Add	404.38	
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,469.83	133.37
For Backdraft Damper, Add	237.44	
For Curb Base, Add	426.49	
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,028.82	144.48
For Backdraft Damper, Add	248.49	
For Curb Base, Add	444.72	
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,873.87	155.59
For Backdraft Damper, Add	276.10	
For Curb Base, Add	497.20	
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators <small>(07 72 23)</small> Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	351.11	55.57
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	420.57	73.35
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	599.58	100.03
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	888.15	115.59

07 72 26 **Ridge Vents** (07 72)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	9.09	3.23
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	46.53	20.01
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	45.38	20.01
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	10.52	3.45
07 72 29 Rafter Vent (07 72)		
07 72 29 00-0001 Rafter Vent (07 72 29)		
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	7.81	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	7.27	
07 72 33 Roof Hatches (07 72)		
Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002 EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	930.35	137.73
07 72 33 00-0003 EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,336.27	153.04
07 72 33 00-0004 EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,323.30	208.70
07 72 33 00-0005 EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,311.86	153.04
07 72 33 00-0006 EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,478.73	170.06
07 72 33 00-0007 EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,399.47	231.94
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009 EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,045.64	137.73
07 72 33 00-0010 EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,353.80	153.04
07 72 33 00-0011 EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,446.56	208.70
07 72 33 00-0012 EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,323.01	153.04
07 72 33 00-0013 EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,338.91	170.06
07 72 33 00-0014 EA 3'-0" x 8'-0" Aluminum Roof Hatch.....	2,577.46	231.94
07 72 33 00-0015 EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,479.18	153.04
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017 EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	895.48	137.73
07 72 33 00-0018 EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,191.45	153.04
07 72 33 00-0019 EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	1,631.65	208.70
07 72 33 00-0020 EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	1,105.98	153.04
07 72 33 00-0021 EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,345.91	170.06
07 72 33 00-0022 EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	1,828.33	231.94
07 72 33 00-0023 Stainless Steel (07 72 33)		
07 72 33 00-0024 EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,291.56	137.73
07 72 33 00-0025 EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,363.14	153.04
07 72 33 00-0026 EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	6,556.92	208.70
07 72 33 00-0027 EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,505.47	153.04
07 72 33 00-0028 EA 4'-0" x 4'-0" Stainless Steel Roof Hatch.....	7,380.30	170.06
07 72 33 00-0029 EA 3'-0" x 8'-0" Stainless Steel Roof Hatch.....	8,273.55	231.94
07 72 33 00-0030 Remove And Reinstall Roof Hatch (07 72 33)		
Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031 EA Remove And Reinstall Roof Hatch (All Types).....	423.65	
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,013.76	153.04
07 72 33 00-0034 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,321.92	170.06
07 72 33 00-0035 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,363.68	231.85
07 72 33 00-0036 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,297.51	157.82
07 72 33 00-0037 EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,268.78	174.84
07 72 33 00-0038 Roof Hatch Accessories (07 72 33)		
07 72 33 00-0039 EA Roof Hatch Ladderup Safety Post (Bilco LU-1).....	594.49	71.73
07 72 36 Smoke Vents (07 72)		
07 72 36 00-0001 Fire Vent (07 72 36)		
07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0003 EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	2,263.37	127.59
07 72 36 00-0004 EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	2,614.04	175.42
07 72 36 00-0005 EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	2,976.66	191.39
07 72 36 00-0006 EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	3,037.50	200.96
07 72 36 00-0007 EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	3,503.97	175.42
07 72 36 00-0008 EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	3,727.12	191.39
07 72 36 00-0009 EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	3,936.97	207.36
07 72 36 00-0010 EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	4,478.89	223.33
07 72 36 00-0011 EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	5,545.49	239.22
07 72 36 00-0012 EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	3,731.09	207.36
07 72 36 00-0013 EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	7,787.58	255.19
07 72 36 00-0014 EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	4,311.56	271.16
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)		
07 72 36 00-0016 EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A).....	2,256.99	127.59
07 72 36 00-0017 EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A).....	2,590.13	175.42
07 72 36 00-0018 EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A).....	2,913.70	191.39
07 72 36 00-0019 EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A).....	3,017.31	200.96
07 72 36 00-0020 EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A).....	2,928.04	175.42
07 72 36 00-0021 EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A).....	3,736.15	191.39
07 72 36 00-0022 EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A).....	3,995.95	207.36
07 72 36 00-0023 EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A).....	4,892.33	223.33
07 72 36 00-0024 EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A).....	5,459.15	239.22
07 72 36 00-0025 EA 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A).....	3,772.80	207.36
07 72 36 00-0026 EA 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A).....	7,153.48	255.19
07 72 36 00-0027 EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A).....	3,709.06	271.16
07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0029 EA 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B).....	2,461.01	127.59
07 72 36 00-0030 EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B).....	2,928.04	175.42
07 72 36 00-0031 EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B).....	3,213.35	191.39
07 72 36 00-0032 EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B).....	3,399.84	200.96
07 72 36 00-0033 EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B).....	3,081.06	175.42
07 72 36 00-0034 EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B).....	3,895.54	191.39
07 72 36 00-0035 EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B).....	4,136.21	207.36
07 72 36 00-0036 EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B).....	4,274.87	223.33
07 72 36 00-0037 EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B).....	5,185.00	239.22
07 72 36 00-0038 EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B).....	3,951.32	207.36
07 72 36 00-0039 EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B).....	7,810.16	255.19
07 72 36 00-0040 EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B).....	4,091.60	271.16
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)		
07 72 36 00-0042 EA 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,435.51	127.21
07 72 36 00-0043 EA 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,087.42	175.42
07 72 36 00-0044 EA 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,265.94	200.96
07 72 36 00-0045 EA 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,501.84	175.42
07 72 36 00-0046 EA 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,701.08	223.33
07 72 46 Roof Walkways (07 72)		
07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)		
07 72 46 00-0002 SF 3/8" Thick, Button Surface, Recycled Rubber Walkway Pad.....	7.11	1.89
For Diamond Surface, Add	0.55	
07 72 46 00-0003 SF 1/2" Thick, Button Surface, Recycled Rubber Walkway Pad.....	7.88	2.27
For Diamond Surface, Add	0.64	
07 72 46 00-0004 SF 3/4" Thick, Button Surface, Recycled Rubber Walkway Pad.....	8.70	2.27
For Diamond Surface, Add	0.72	
07 72 53 Snow Guards (07 72)		
07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)		
07 72 53 00-0002 EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	13.00	1.84
07 72 53 00-0003 EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	14.17	1.84
07 72 53 00-0004 EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	13.40	1.84
07 72 53 00-0005 EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	7.99	1.84
07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)		
Note: Aluminum construction.		
07 72 53 00-0007 EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	17.96	3.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0008 EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	19.72	3.97
07 72 53 00-0009 EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.07	3.97
07 72 53 00-0010 EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	27.70	3.97
07 72 53 00-0011 EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	26.52	4.63
07 72 53 00-0012 EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	28.74	4.63
07 72 53 00-0013 EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	35.27	4.63
07 72 53 00-0014 EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	15.69	3.48
<i>For Mechanically Fastened, Add</i>		
	6.94	
07 72 53 00-0015 EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	17.52	3.48
<i>For Mechanically Fastened, Add</i>		
	6.94	
07 72 53 00-0016 EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	23.75	3.48
<i>For Mechanically Fastened, Add</i>		
	6.94	
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	10.71	3.48
<i>Note: Can be used for metal, rubber, PVC, TPO or glass roofing.</i>		
<i>For Mechanically Fastened, Add</i>		
	9.26	
07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	12.72	4.63
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	12.16	4.63
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	11.88	4.63
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	11.55	4.63
07 72 53 00-0023 Ice Breaker For Vents (07 72 53)		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened.....	85.01	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened.....	97.31	
07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)		
07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)		
<i>Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.</i>		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	45.65	13.90
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	52.53	13.90
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	58.02	13.90
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	69.84	13.90
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	73.61	16.67
07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)	9.87	3.34
<i>Note: Includes end caps, collars and couplings.</i>		
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)	17.17	3.34
<i>Note: Includes end caps, collars and couplings.</i>		
07 72 56 Snow/Ice Melt (07 72)		
07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters	9.10	1.00
<i>Note: Nickel-coated copper braided cable with weatherproof jacket.</i>		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	9.75	1.00
<i>Note: Nickel-coated copper braided cable with weatherproof jacket.</i>		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	187.45	75.31
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	141.45	55.23
07 72 56 00-0006 EA Roof Clips For Self Regulating Heating Cable For Roofs And Gutters	17.14	3.01
<i>For >5, Deduct</i>		
	-3.02	
07 72 56 00-0007 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	62.18	7.53
07 72 56 00-0008 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow	582.37	60.25
07 72 56 00-0009 EA Automatic Gutter Ice Melting Control	793.74	75.31
07 72 63 Waste Containment Assemblies (07 72)		
07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003 EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,637.21	146.95
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	1,820.40	146.95
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,218.34	152.82
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,207.86	152.82
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	2,865.02	165.32

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,255.08	165.32
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	2,519.69	195.88
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	3,687.57	244.89
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	4,546.20	244.89
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	5,724.20	244.89
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	1,995.79	146.95
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,234.02	146.95
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	2,744.51	152.82
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	2,791.64	152.82
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	3,956.63	165.32
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	4,330.97	165.32
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	4,048.47	195.88
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	4,572.38	244.89
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	5,690.17	244.89
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	7,221.56	244.89
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)		
Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	133.04	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	185.40	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	263.92	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	245.11	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	454.53	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	459.76	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	357.16	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	461.87	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	673.91	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	885.95	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	274.94	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	363.95	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	526.26	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	491.72	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	939.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	944.59	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	703.25	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	946.71	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,383.87	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	1,839.37	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	340.39	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	421.55	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	615.26	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	583.34	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,130.45	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,125.22	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	823.68	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,137.80	
07 72 63 00-0058 SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,593.30	
07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,213.71	
07 73 Roof Protection Board (07 70)		
07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 73 00 00-0002 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.31	0.37
For No Adhesive, Deduct	-0.48	
For Hot-Mopped, Deduct	-0.08	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.38	
For Mechanically Fastened To Gypsum, Add	0.53	
07 73 00 00-0003 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.61	0.40
For No Adhesive, Deduct	-0.49	
For Hot-Mopped, Deduct	-0.07	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.43	
For Mechanically Fastened To Gypsum, Add	0.58	
07 73 00 00-0004 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.75	0.44
For No Adhesive, Deduct	-0.51	
For Hot-Mopped, Deduct	-0.06	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.47	
For Mechanically Fastened To Gypsum, Add	0.62	
07 73 00 00-0005 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.34	0.37
For No Adhesive, Deduct	-0.48	
For Hot-Mopped, Deduct	-0.08	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.38	
For Mechanically Fastened To Gypsum, Add	0.53	
07 73 00 00-0006 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.66	0.40
For No Adhesive, Deduct	-0.49	
For Hot-Mopped, Deduct	-0.07	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.43	
For Mechanically Fastened To Gypsum, Add	0.58	
07 73 00 00-0007 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.80	0.44
For No Adhesive, Deduct	-0.51	
For Hot-Mopped, Deduct	-0.06	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.14	
For Mechanically Fastened To Concrete, Add	0.47	
For Mechanically Fastened To Gypsum, Add	0.62	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 73	Roof Protection Board



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)**07 76 16 00-0001 Roof Pavers (07 76 16)**

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	10.40	4.92
		For 1-1/2" Thickness, Deduct	-0.85	
		For 2-1/2" Thickness, Add	0.85	
		For 3" Thickness, Add	1.70	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	8.88	3.71
		For 1-1/2" Thickness, Deduct	-0.71	
		For 2-1/2" Thickness, Add	0.71	
		For 3" Thickness, Add	1.42	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	7.62	2.95
		For 1-1/2" Thickness, Deduct	-0.59	
		For 2-1/2" Thickness, Add	0.59	
		For 3" Thickness, Add	1.19	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	6.83	2.58
		For 1-1/2" Thickness, Deduct	-0.52	
		For 2-1/2" Thickness, Add	0.52	
		For 3" Thickness, Add	1.05	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver.....	6.29	2.35
		For 1-1/2" Thickness, Deduct	-0.48	
		For 2-1/2" Thickness, Add	0.48	
		For 3" Thickness, Add	0.96	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	13.71	0.73
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	14.44	0.73
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	15.18	0.73
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.52	0.73
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	7.04	0.73
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)	7.19	0.73
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	4.01	0.73
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	5.54	0.73
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.28	
		For 20 Year Warranty, Deduct	-0.18	
		For 15 Year Warranty, Deduct	-0.36	
		For 10 Year Warranty, Deduct	-0.49	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.23	
		For 20 Year Warranty, Deduct	-0.26	
		For 15 Year Warranty, Deduct	-0.52	
		For 10 Year Warranty, Deduct	-0.70	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	4.98	
		For 20 Year Warranty, Deduct	-0.30	
		For 15 Year Warranty, Deduct	-0.60	
		For 10 Year Warranty, Deduct	-0.81	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.98	
		For 20 Year Warranty, Deduct	-0.37	
		For 15 Year Warranty, Deduct	-0.75	
		For 10 Year Warranty, Deduct	-1.02	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	

07 80 Fire And Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)**07 81 16 00-0001 Cementitious Fireproofing (07 81 16)****07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) (07 81 16 00-0001)**

07 81 16 00-0003	SF	Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage.....	1.05	0.59
07 81 16 00-0004	SF	Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage.....	1.46	0.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0005 Spray On Roofs And Beams <small>(07 81 16 00-0001)</small>		
07 81 16 00-0006 SF Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage	2.15	0.86
07 81 16 00-0007 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage	2.32	0.93
07 81 16 00-0008 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	2.43	0.97
07 81 16 00-0009 Spray On Beams (Min. W8x24) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0010 SF Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage (Min W8x24)	0.90	0.47
07 81 16 00-0011 SF Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage (Min W8x24)	1.10	0.59
07 81 16 00-0012 SF Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage (Min W8x24)	1.56	0.70
07 81 16 00-0013 SF Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage (Min W8x24)	2.06	0.82
07 81 16 00-0014 Spray On Columns (W10x49) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0015 SF Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage (W10x49)	2.03	0.78
07 81 16 00-0016 SF Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage (W10x49)	2.20	0.82
07 81 16 00-0017 SF Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage (W10x49)	2.84	0.97
07 81 16 00-0018 SF Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage (W10x49)	3.69	1.16
07 81 16 00-0019 Spray On Columns (W14x228) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0020 SF Spray Fireproofing For Columns, 2 Hour Rated 5/8" Thick Coverage (W14x228)	1.31	0.59
07 81 16 00-0021 SF Spray Fireproofing For Columns, 3 Hour Rated 7/8" Thick Coverage (W14x228)	1.66	0.70
07 81 16 00-0022 SF Spray Fireproofing For Columns, 4 Hour Rated 1-1/4" Thick Coverage (W14x228)	2.20	0.86
07 81 16 00-0023 Gunite Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0024 SF Fireproofing, Gunite, Non Reinforced, 1" Thick	2.32	0.55
07 81 16 00-0025 SF Fireproofing, Gunite, Reinforced, 1" Thick	3.26	0.55
07 81 16 00-0026 Monokote Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0027 CSF Fireproofing, Monokote, On Structural Steel	230.07	88.87
Note: Per inch of thickness.		
07 81 16 00-0028 CSF Fireproofing, Monokote, On Decking	164.49	59.52
Note: Per inch of thickness.		
07 81 23 Intumescent Fireproofing <small>(07 81)</small>		
07 81 23 00-0001 Spray On Intumescent Mastic Fireproofing <small>(07 81 23)</small>		
Note: Type 1 structural steel has up to 2 SF per LF, type 2 structural steel has >2 to 5 SF per LF and type 3 structural steel has >5 SF per LF.		
07 81 23 00-0002 Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 1 Hour <small>(07 81 23 00-0001)</small>		
07 81 23 00-0003 CSF Fireproofing, Intumescent, 1 Hour, Type 1 Structural Steel	965.73	297.58
07 81 23 00-0004 CSF Fireproofing, Intumescent, 1 Hour, Type 2 Structural Steel	989.62	315.43
07 81 23 00-0005 CSF Fireproofing, Intumescent, 1 Hour, Type 3 Structural Steel	1,029.25	345.19
07 81 23 00-0006 Fireproofing Using Spray On Albi-Clad, Intumescent Mastic, 2 Hour <small>(07 81 23 00-0001)</small>		
07 81 23 00-0007 CSF Fireproofing, Intumescent, 2 Hour, Type 1 Structural Steel	1,931.46	595.15
07 81 23 00-0008 CSF Fireproofing, Intumescent, 2 Hour, Type 2 Structural Steel	1,979.24	630.87
07 81 23 00-0009 CSF Fireproofing, Intumescent, 2 Hour, Type 3 Structural Steel	2,058.07	690.37
07 81 23 00-0010 Color Top Coat <small>(07 81 23 00-0001)</small>		
07 81 23 00-0011 CSF Fireproofing, Color Top Coat	32.51	
07 81 33 Mineral-Fiber Fireproofing <small>(07 81)</small>		
07 81 33 00-0001 Cellulose Fireproofing <small>(07 81 33)</small>		
07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness	1.82	0.55
07 82 Board Fireproofing <small>(07 80)</small>		
Note: Type A: 1 hour rating.		
07 82 00 00-0001 Fireproofing On Columns <small>(07 82)</small>		
07 82 00 00-0002 Up To 4,500 SF, Fireproofing On Columns <small>(07 82 00 00-0001)</small>		
07 82 00 00-0003 CSF Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns	1,190.32	833.21
07 82 00 00-0004 CSF Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns	2,142.96	1,487.88
07 82 00 00-0005 CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500, Fireproofing On Columns	1,899.96	1,309.34
07 82 00 00-0006 CSF Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns	1,285.31	773.70
07 82 00 00-0007 CSF Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns	1,004.24	654.66
07 82 00 00-0008 CSF Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns	1,508.38	1,011.76
07 82 00 00-0009 CSF Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns	857.91	535.63

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 82 Board Fireproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 82 00 00-0010 >4,500 SF, Fireproofing On Columns (07 82 00 00-0001)			
07 82 00 00-0011	CSF Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns.....	1,215.15	833.21
07 82 00 00-0012	CSF Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns.....	2,192.61	1,487.88
07 82 00 00-0013	CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns.....	2,013.27	1,309.34
07 82 00 00-0014	CSF Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns.....	1,135.14	773.70
07 82 00 00-0015	CSF Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns.....	926.80	654.66
07 82 00 00-0016	CSF Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns.....	1,490.74	1,011.76
07 82 00 00-0017	CSF Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns.....	841.93	535.63

07 84 Firestopping (07 80)**07 84 13 Penetration Firestopping (07 84)****07 84 13 16 Penetration Firestopping Devices (07 84 13)**

07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)			
07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)			
Note: Includes putty, escutcheon plates, gaskets and bushings.			
07 84 13 16-0003	EA 1" Diameter Intumescent Firestop Sleeve (STI FS100).....	53.65	
07 84 13 16-0004	EA 2" Diameter Intumescent Firestop Sleeve (STI FS201).....	69.09	
07 84 13 16-0005	EA 4" Diameter Intumescent Firestop Sleeve (STI FS401).....	113.60	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)			
Note: Includes putty and mounting plates.			
07 84 13 16-0007	EA 1-1/4" x 1-1/4" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22).....	107.09	
07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS).....	204.43	
07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44).....	336.89	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)			
07 84 13 16-0011	EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	197.58	
07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD).....	222.07	
07 84 13 16-0013	EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	220.90	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)			
07 84 13 16-0015	EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	37.50	10.82
07 84 13 16-0016	EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	38.86	10.82
07 84 13 16-0017	EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	46.32	11.90
07 84 13 16-0018	EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	60.23	13.53
07 84 13 16-0019	EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	296.04	16.23
07 84 13 16-0020	EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	378.88	17.86

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)			
Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.			
07 84 13 16-0022	EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	106.96	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0023	EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	112.22	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.			
07 84 13 16-0024	EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	206.96	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.			
07 84 13 16-0025	EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	135.36	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.			

07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)			
07 84 13 16-0027	LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	4.28	

07 84 13 19 Penetration Firestopping Caulk (07 84 13)

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19)			
Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.			
07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	17.58	
For Intumescent Sealant For Plastic Pipe, Add		0.06	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		0.02	
07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	21.66	
For Intumescent Sealant For Plastic Pipe, Add		0.29	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		0.11	
07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	21.47	
For Intumescent Sealant For Plastic Pipe, Add		0.22	
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0005 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	21.17	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.10	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.04	
07 84 13 19-0006 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	25.10	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.62	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.23	
07 84 13 19-0007 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	24.91	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.54	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.20	
07 84 13 19-0008 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	24.61	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.42	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.16	
07 84 13 19-0009 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	24.14	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.24	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.09	
07 84 13 19-0010 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	23.73	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.07	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.03	
07 84 13 19-0011 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	30.51	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.04	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.39	
07 84 13 19-0012 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	30.33	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.97	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.36	
07 84 13 19-0013 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	30.02	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.84	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.32	
07 84 13 19-0014 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	29.55	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.66	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.25	
07 84 13 19-0015 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	29.15	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.50	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.19	
07 84 13 19-0016 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	28.20	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.12	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.04	
07 84 13 19-0017 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	41.75	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.74	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.03	
07 84 13 19-0018 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	38.61	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.49	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.56	
07 84 13 19-0019 EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	38.30	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.36	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.51	
07 84 13 19-0020 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	37.82	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.17	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.44	
07 84 13 19-0021 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	37.42	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.01	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.38	
07 84 13 19-0022 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	36.47	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.63	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.24	
07 84 13 19-0023 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	35.23	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.14	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.05	
07 84 13 19-0024 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	56.27	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.06	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.90	
07 84 13 19-0025 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	55.94	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.93	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.85	
07 84 13 19-0026 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	55.41	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.72	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.77	
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	54.57	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.38	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.64	
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	53.86	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.10	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.54	
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	48.48	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.95	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.73	
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	47.25	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.46	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.55	
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	45.37	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.70	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	0.26	
07 84 13 19-0032 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	90.25	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.68	
<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.38	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0033	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	89.92	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.55	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.33	
07 84 13 19-0034	EA		6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	89.39	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.34	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.25	
07 84 13 19-0035	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	88.56	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.00	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.13	
07 84 13 19-0036	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	87.85	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.72	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	4.02	
07 84 13 19-0037	EA		6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	86.17	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.05	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	3.77	
07 84 13 19-0038	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	84.00	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	9.18	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	3.44	
07 84 13 19-0039	EA		6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	80.70	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.86	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	2.95	
07 84 13 19-0040	EA		6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	68.46	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.96	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.11	
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	120.26	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	18.45	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	6.92	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	116.96	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.13	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	6.42	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	110.34	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.48	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	5.43	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	83.56	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.77	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.41	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant.....	153.21	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.40	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	9.90	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant.....	133.59	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	18.55	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	6.96	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant.....	99.22	
			<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.80	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1.80	
07 84 13 19-0048			Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations <small>(07 84 13 19)</small>		
			Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.18	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.11	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.01	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.07	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.00	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.90	
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.76	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	23.62	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.81	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.74	
07 84 13 19-0059	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.64	
07 84 13 19-0060	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.49	
07 84 13 19-0061	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.36	
07 84 13 19-0062	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	28.03	
07 84 13 19-0063	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.22	
07 84 13 19-0064	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.16	
07 84 13 19-0065	EA		3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.06	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.90	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.77	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.44	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.00	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.09	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.02	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.92	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.76	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.61	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.28	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.86	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.21	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.75	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.69	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.59	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.44	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.31	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.98	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.53	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	64.91	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	63.58	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.15	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	82.53	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	81.20	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	77.40	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	100.12	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.32	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	91.33	

07 84 16 Annular Space Protection (07 84)

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	27.08	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	38.47	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.21	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	41.96	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	43.70	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	55.10	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	11.05	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	11.52	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	11.05	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	11.52	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	11.52	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	11.05	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	27.37	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	29.35	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0019	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	31.79	
07 84 16 00-0020			Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16) Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	281.23	
07 84 16 00-0022	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	401.38	
07 84 16 00-0023	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	572.06	
07 84 16 00-0024			Endothermic Mat Wrap Fire Barrier (07 84 16) Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	38.06	
07 84 16 00-0026			Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	154.80	
07 84 16 00-0028			Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	126.91	
07 84 23			Silicone Firestopping Foams (07 84)		
07 84 23 00-0001			Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002	EA		2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	34.04	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	82.21	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	146.10	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	223.82	
07 84 23 00-0006	EA		10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	319.76	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	429.61	
07 84 43			Joint Firestopping (07 84)		
07 84 43 00-0001			Intumescent Firestopping Sealant For Joints (07 84 43)		
07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant.....	347.38	139.54
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	10.24	
07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant.....	398.92	148.27
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	15.36	
07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant.....	433.05	148.27
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	20.48	
07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant.....	450.12	148.27
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	23.04	
07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant.....	501.33	148.27
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	30.72	
07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant.....	570.04	157.00
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	38.40	
07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant.....	638.62	165.72
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	46.09	
07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant.....	587.11	157.00
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	40.97	
07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant.....	690.26	174.44
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	51.21	
07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant.....	775.99	183.17
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	61.45	
07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant.....	861.68	191.88
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	71.69	
07 84 43 00-0013	CLF		1/2" x 1" Joint, Intumescent Firestop Sealant.....	1,069.60	261.64
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	81.93	
07 84 43 00-0014	CLF		3/4" x 3/4" Joint, Intumescent Firestop Sealant.....	1,172.72	279.12
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	92.17	
07 84 43 00-0015	CLF		1" x 1" Joint, Intumescent Firestop Sealant.....	1,668.03	287.81
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	163.86	
07 84 43 00-0016			Passive Smoke And Fire Protection Sealant For Joints (07 84 43)		
07 84 43 00-0017	CLF		1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	318.71	139.54
07 84 43 00-0018	CLF		1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	355.89	148.27
07 84 43 00-0019	CLF		1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	375.68	148.27
07 84 43 00-0020	CLF		3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	385.58	148.27
07 84 43 00-0021	CLF		3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	415.27	148.27
07 84 43 00-0022	CLF		3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	462.48	157.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0023 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	509.54	165.72
07 84 43 00-0024 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	472.38	157.00
07 84 43 00-0025 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	546.84	174.44
07 84 43 00-0026 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	603.89	183.17
07 84 43 00-0027 CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	660.89	191.88
07 84 43 00-0028 CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	840.13	261.64
07 84 43 00-0029 CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	914.56	279.12
07 84 43 00-0030 CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,209.09	287.81

07 84 56 Fire Safing (07 84)

07 84 56 13 Fibrous Fire Safing (07 84 56)

07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002 SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	9.91	
<i>For Work In Restricted Working Space, Add</i>	1.31	
07 84 56 13-0003 SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	13.34	
<i>Note: Includes cutting wrap to fit pipe or conduit and sealing edges.</i>		
<i>For Work In Restricted Working Space, Add</i>	1.31	
07 84 56 13-0004 SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	14.46	
<i>Note: Includes cutting wrap to fit pipe or conduit and sealing edges.</i>		
<i>For Work In Restricted Working Space, Add</i>	1.31	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006 SF 1/2" Thermal Ceramics FireMaster Blanket Wrap.....	14.90	8.88
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For >500 To 5,000, Deduct</i>	-1.29	
<i>For >5,000, Deduct</i>	-2.30	
07 84 56 13-0007 SF 1" Thermal Ceramics FireMaster Blanket Wrap.....	17.38	8.88
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For >500 To 5,000, Deduct</i>	-1.86	
<i>For >5,000, Deduct</i>	-3.22	
07 84 56 13-0008 SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	20.10	8.88
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For >500 To 5,000, Deduct</i>	-2.48	
<i>For >5,000, Deduct</i>	-4.22	
07 84 56 13-0009 SF 2" Thermal Ceramics FireMaster Blanket Wrap.....	22.82	8.88
<i>For Work In Restricted Working Space, Add</i>	3.57	
<i>For >500 To 5,000, Deduct</i>	-3.11	
<i>For >5,000, Deduct</i>	-5.23	

07 90 Joint Protection (07)

07 91 Preformed Joint Seals (07 90)

07 91 23 Backer Rods (07 91)

07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002 LF 1/4" Polyethylene Or Polyurethane Backer Rod.....	1.18	0.37
07 91 23 00-0003 LF 3/8" Polyethylene Or Polyurethane Backer Rod.....	1.27	0.37
07 91 23 00-0004 LF 1/2" Polyethylene Or Polyurethane Backer Rod.....	1.37	0.37
07 91 23 00-0005 LF 5/8" Polyethylene Or Polyurethane Backer Rod.....	1.45	0.37
07 91 23 00-0006 LF 3/4" Polyethylene Or Polyurethane Backer Rod.....	1.51	0.44
07 91 23 00-0007 LF 7/8" Polyethylene Or Polyurethane Backer Rod.....	1.60	0.44
07 91 23 00-0008 LF 1" Polyethylene Or Polyurethane Backer Rod.....	1.76	0.44
07 91 23 00-0009 LF 1-1/4" Polyethylene Or Polyurethane Backer Rod.....	1.93	0.51
07 91 23 00-0010 LF 1-1/2" Polyethylene Or Polyurethane Backer Rod.....	2.15	0.59
07 91 23 00-0011 LF 2" Polyethylene Or Polyurethane Backer Rod.....	2.53	0.66
07 91 23 00-0012 LF 3" Polyethylene Or Polyurethane Backer Rod.....	3.81	0.80

07 91 26 Joint Fillers (07 91)

07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)

07 91 26 00-0002 LF 1/4" x 1/4" Butyl Rubber Filler.....	1.48	0.44
<i>For Coloring, Add</i>	0.00	
07 91 26 00-0003 LF 1/2" x 1/2" Butyl Rubber Filler.....	4.23	1.25
<i>For Coloring, Add</i>	0.02	
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler.....	4.83	1.33
<i>For Coloring, Add</i>	0.03	
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler.....	4.92	1.40
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler.....	4.47	1.55

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0007			Closed Cell Neoprene (07 91 26)		
07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	296.54	84.78
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	491.94	122.48
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	384.88	104.99
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	455.77	110.20
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	694.49	169.57
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	806.16	183.68
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	767.68	133.58
07 91 26 00-0015			Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	299.41	104.99
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	509.14	169.57
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	392.20	144.74
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	473.93	152.82
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	721.41	234.38
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	845.97	254.36
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	1,122.68	304.91
07 91 26 00-0023			Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal.....	114.69	16.82
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal.....	229.38	33.58
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal.....	342.19	49.89
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal.....	488.15	67.23
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal.....	114.69	16.82
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal.....	341.89	49.74
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal.....	601.07	74.72
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal.....	1,200.84	148.92
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal.....	2,300.48	268.83
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal.....	3,504.74	419.96
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal.....	5,057.60	671.98
07 91 26 00-0035			Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal.....	3.14	0.95
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal.....	3.33	0.95
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal.....	3.52	1.02
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal.....	3.73	1.10
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal.....	4.01	1.18
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal.....	4.21	1.18
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal.....	4.47	1.25
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal.....	4.64	1.25
07 91 33			Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001			Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.					
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	52.90	5.54
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	69.40	5.80
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	86.78	6.07
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	106.09	6.33
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	136.26	6.59
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	155.90	6.86
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	180.19	7.12
07 91 33 00-0010			Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes prefomed neoprene joint seal and lubricant adhesive.					
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	29.35	5.54
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	31.67	5.62
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	37.36	5.70
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	39.45	5.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0015 LF 1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	41.88	5.88
07 91 33 00-0016 LF 1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	50.28	5.97
07 91 33 00-0017 LF 1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	60.94	6.07
07 91 33 00-0018 LF 1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	71.35	6.33
07 91 33 00-0019 LF 1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	80.30	6.59
07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021 LF 0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	25.34	5.54
07 91 33 00-0022 LF 0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	31.75	5.80
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	38.05	6.07
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	40.01	6.20
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	43.91	6.33
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	60.89	6.59
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	81.83	6.86
07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	18.92	2.20
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	31.04	2.28
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	46.18	2.37
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	57.95	2.47
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	75.91	2.55
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	100.06	2.64
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	122.46	2.73
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	164.72	2.81
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	192.11	2.90
07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	18.49	2.20
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	24.10	2.28
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	31.97	2.37
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	42.98	2.47
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	48.91	2.55
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	67.42	2.64
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	90.14	2.73
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	97.27	2.81
07 92 Joint Sealants (07 90)		
07 92 13 Elastomeric Joint Sealants (07 92)		
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)		

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0002	CLF		1/4" x 1/4" Joint, Silicone Sealant And Caulking	320.66	139.55
			<i>For Coloring, Add</i>	14.96	
			<i>For 1 Part Mildew Resistant, Add</i>	14.55	
			<i>For High-Modulus Non-Acid Curing, Add</i>	8.31	
07 92 13 00-0003	CLF		1/4" x 3/8" Joint, Silicone Sealant And Caulking	350.16	143.92
			<i>For Coloring, Add</i>	22.44	
			<i>For 1 Part Mildew Resistant, Add</i>	21.82	
			<i>For High-Modulus Non-Acid Curing, Add</i>	12.47	
07 92 13 00-0004	CLF		1/4" x 1/2" Joint, Silicone Sealant And Caulking	379.62	148.27
			<i>For Coloring, Add</i>	29.92	
			<i>For 1 Part Mildew Resistant, Add</i>	29.09	
			<i>For High-Modulus Non-Acid Curing, Add</i>	16.62	
07 92 13 00-0005	CLF		3/8" x 3/8" Joint, Silicone Sealant And Caulking	390.01	148.27
			<i>For Coloring, Add</i>	33.66	
			<i>For 1 Part Mildew Resistant, Add</i>	32.73	
			<i>For High-Modulus Non-Acid Curing, Add</i>	18.70	
07 92 13 00-0006	CLF		3/8" x 1/2" Joint, Silicone Sealant And Caulking	429.97	152.64
			<i>For Coloring, Add</i>	44.88	
			<i>For 1 Part Mildew Resistant, Add</i>	43.63	
			<i>For High-Modulus Non-Acid Curing, Add</i>	24.93	
07 92 13 00-0007	CLF		3/8" x 5/8" Joint, Silicone Sealant And Caulking	469.85	157.00
			<i>For Coloring, Add</i>	56.10	
			<i>For 1 Part Mildew Resistant, Add</i>	54.54	
			<i>For High-Modulus Non-Acid Curing, Add</i>	31.17	
07 92 13 00-0008	CLF		3/8" x 3/4" Joint, Silicone Sealant And Caulking	518.39	165.72
			<i>For Coloring, Add</i>	67.32	
			<i>For 1 Part Mildew Resistant, Add</i>	65.45	
			<i>For High-Modulus Non-Acid Curing, Add</i>	37.40	
07 92 13 00-0009	CLF		1/2" x 1/2" Joint, Silicone Sealant And Caulking	480.24	157.00
			<i>For Coloring, Add</i>	59.84	
			<i>For 1 Part Mildew Resistant, Add</i>	58.18	
			<i>For High-Modulus Non-Acid Curing, Add</i>	33.25	
07 92 13 00-0010	CLF		1/2" x 5/8" Joint, Silicone Sealant And Caulking	556.67	174.44
			<i>For Coloring, Add</i>	74.80	
			<i>For 1 Part Mildew Resistant, Add</i>	72.73	
			<i>For High-Modulus Non-Acid Curing, Add</i>	41.56	
07 92 13 00-0011	CLF		1/2" x 3/4" Joint, Silicone Sealant And Caulking	615.69	183.17
			<i>For Coloring, Add</i>	89.77	
			<i>For 1 Part Mildew Resistant, Add</i>	87.27	
			<i>For High-Modulus Non-Acid Curing, Add</i>	49.87	
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking	674.66	191.88
			<i>For Coloring, Add</i>	104.73	
			<i>For 1 Part Mildew Resistant, Add</i>	101.82	
			<i>For High-Modulus Non-Acid Curing, Add</i>	58.18	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking	724.93	196.23
			<i>For Coloring, Add</i>	119.69	
			<i>For 1 Part Mildew Resistant, Add</i>	116.36	
			<i>For High-Modulus Non-Acid Curing, Add</i>	66.49	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking	775.29	200.60
			<i>For Coloring, Add</i>	134.65	
			<i>For 1 Part Mildew Resistant, Add</i>	130.91	
			<i>For High-Modulus Non-Acid Curing, Add</i>	74.80	
07 92 13 00-0015	CLF		1" x 1" Joint, Silicone Sealant And Caulking	1,101.03	218.05
			<i>For Coloring, Add</i>	239.37	
			<i>For 1 Part Mildew Resistant, Add</i>	232.73	
			<i>For High-Modulus Non-Acid Curing, Add</i>	132.99	
07 92 13 00-0016			Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0017	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	300.35	139.54
07 92 13 00-0018	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	319.66	143.91
07 92 13 00-0019	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	338.96	148.27
07 92 13 00-0020	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	344.27	148.27
07 92 13 00-0021	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	368.99	152.64
07 92 13 00-0022	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	393.63	157.00
07 92 13 00-0023	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	426.92	165.72
07 92 13 00-0024	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	398.94	157.00
07 92 13 00-0025	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	455.04	174.44
07 92 13 00-0026	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	493.73	183.17
07 92 13 00-0027	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	532.37	191.88
07 92 13 00-0028	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	562.31	196.23
07 92 13 00-0029	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	592.35	200.60
07 92 13 00-0030	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking	775.80	218.05
07 92 13 00-0031			Polyurethane Sealant And Caulking <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0032	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	310.99	139.54
07 92 13 00-0033	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	335.62	144.79
07 92 13 00-0034	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	360.25	148.27
07 92 13 00-0035	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	368.22	148.27
07 92 13 00-0036	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	400.92	152.64
07 92 13 00-0037	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	433.54	157.00
07 92 13 00-0038	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	474.81	165.72



Thermal And Moisture Protection 07

Joint Protection 07 90

Joint Sealants 07 92

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0039	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	441.50	157.00
07 92 13 00-0040	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	508.25	174.44
07 92 13 00-0041	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	557.58	183.17
07 92 13 00-0042	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	606.87	191.88
07 92 13 00-0043	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking	647.45	196.23
07 92 13 00-0044	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	688.13	200.60
07 92 13 00-0045	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking	818.58	218.05
07 92 13 00-0046	Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)				
Note: 1 or 2 part, non-sag.					
07 92 13 00-0047	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	314.02	139.54
07 92 13 00-0048	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	340.17	145.66
07 92 13 00-0049	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	366.31	148.27
07 92 13 00-0050	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	375.04	148.27
07 92 13 00-0051	CLF		3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	410.03	152.64
07 92 13 00-0052	CLF		3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	444.91	157.00
07 92 13 00-0053	CLF		3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	488.45	165.72
07 92 13 00-0054	CLF		1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	453.63	157.00
07 92 13 00-0055	CLF		1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	523.42	174.44
07 92 13 00-0056	CLF		1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	575.78	183.17
07 92 13 00-0057	CLF		1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	628.10	191.88
07 92 13 00-0058	CLF		1/2" x 1" Joint, Polysulfide Sealant And Caulking	671.71	196.23
07 92 13 00-0059	CLF		3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	715.43	200.60
07 92 13 00-0060	CLF		3/4" x 1" Joint, Polysulfide Sealant And Caulking	854.97	218.05
07 92 13 00-0061	Flexible Polyurethane Security Sealant And Caulking (07 92 13)				
Note: 1 or 2 part, non-sag.					
07 92 13 00-0062	CLF		1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	321.42	139.54
07 92 13 00-0063	CLF		1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	351.27	144.79
07 92 13 00-0064	CLF		1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	381.11	148.27
07 92 13 00-0065	CLF		3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	391.68	148.27
07 92 13 00-0066	CLF		3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	432.21	152.64
07 92 13 00-0067	CLF		3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	472.65	157.00
07 92 13 00-0068	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	521.74	165.72
07 92 13 00-0069	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	483.22	157.00
07 92 13 00-0070	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	560.40	174.44
07 92 13 00-0071	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	620.16	183.17
07 92 13 00-0072	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	679.87	191.88
07 92 13 00-0073	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	730.89	196.23
07 92 13 00-0074	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	782.00	200.60
07 92 13 00-0075	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	943.74	218.05
07 92 19	Acoustical Joint Sealants (07 92)				
07 92 19 00-0001	Acoustical Sealant (07 92 19)				
07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant	287.09	130.83
				For Coloring, Add	9.16
				For 1 Part Mildew Resistant, Add	8.91
				For High-Modulus Non-Acid Curing, Add	5.09
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant	314.24	139.54
				For Coloring, Add	12.64
				For 1 Part Mildew Resistant, Add	12.29
				For High-Modulus Non-Acid Curing, Add	7.02
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant	337.32	148.27
				For Coloring, Add	14.70
				For 1 Part Mildew Resistant, Add	14.29
				For High-Modulus Non-Acid Curing, Add	8.16
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant	353.13	148.27
				For Coloring, Add	20.39
				For 1 Part Mildew Resistant, Add	19.82
				For High-Modulus Non-Acid Curing, Add	11.33
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant	378.37	152.64
				For Coloring, Add	26.31
				For 1 Part Mildew Resistant, Add	25.57
				For High-Modulus Non-Acid Curing, Add	14.61
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant	416.98	157.00
				For Coloring, Add	37.07
				For 1 Part Mildew Resistant, Add	36.04
				For High-Modulus Non-Acid Curing, Add	20.59
07 95	Expansion Control (07 90)				
07 95 13	Expansion Joint Cover Assemblies (07 95)				
Note: Includes necessary waterproofing mastics/caulking.					
07 95 13 00-0001	LF		Floor Assembly Type (07 95 13)		
07 95 13 00-0002	LF		With 1" Space (07 95 13 00-0001)		
07 95 13 00-0003	LF		Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type.....	36.19	5.16

07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 00-0004 LF Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	64.39	5.16
07 95 13 00-0005 LF Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	71.00	5.16
07 95 13 00-0006 With 2" Space (07 95 13 00-0001)		
07 95 13 00-0007 LF Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type	42.96	5.16
07 95 13 00-0008 LF Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	78.30	5.16
07 95 13 00-0009 LF Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	95.18	5.16
07 95 13 00-0010 Ceiling And Wall Assembly Type (07 95 13)		
07 95 13 00-0011 With 1" Space (07 95 13 00-0010)		
07 95 13 00-0012 LF Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	29.42	5.16
07 95 13 00-0013 LF Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	50.48	5.16
07 95 13 00-0014 LF Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	58.91	5.16
07 95 13 00-0015 With 2" Space (07 95 13 00-0010)		
07 95 13 00-0016 LF Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	33.48	5.16
07 95 13 00-0017 LF Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	57.43	5.16
07 95 13 00-0018 LF Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	71.00	5.16
07 95 13 00-0019 Exterior Roof Aluminum Expansion Assemblies (07 95 13)		
07 95 13 00-0020 Roof To Roof (07 95 13 00-0019)		
07 95 13 00-0021 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	36.44	3.44
07 95 13 00-0022 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	42.14	3.44
07 95 13 00-0023 LF Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	46.07	3.44
07 95 13 00-0024 Roof To Wall (07 95 13 00-0019)		
07 95 13 00-0025 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	30.19	3.44
07 95 13 00-0026 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies	37.16	3.44
07 95 13 00-0027 Flat Wall To Wall (07 95 13 00-0019)		
07 95 13 00-0028 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	24.10	3.44
07 95 13 00-0029 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	28.29	3.44
07 95 13 00-0030 LF Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	33.34	3.44
07 95 13 00-0031 Corner To Flat Wall (07 95 13 00-0019)		
07 95 13 00-0032 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	24.02	3.44
07 95 13 00-0033 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	26.81	3.44
07 95 13 00-0034 LF Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	34.65	3.44

END OF SECTION 07



Openings	08	08
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 10 Doors And Frames (08)

08 11 Metal Doors And Frames (08 10)

08 11 63 Metal Screen And Storm Doors And Frames (08 11)

08 11 63 13 Steel Screen And Storm Doors And Frames (08 11 63)

08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	566.15	119.97
08 11 63 13-0003	EA	3' x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	574.91	124.33
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	726.78	124.33

08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware.....	395.50	69.81
		<i>For Special Finished, Add</i>	26.52	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	410.41	69.81
08 11 63 23-0004	EA	Aluminum Screen Door.....	263.79	43.61
08 11 63 23-0005	SF	Repair Screen Door.....	5.75	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door (08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,225.17	430.36
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,390.56	430.36
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,663.33	430.36
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,964.36	430.36

08 12 Metal Frames (08 10)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat.

08 12 13 13-0001 Metal Frames 4-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)

08 12 13 13-0002 6'-8" Through 7'-2" High (08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	216.00	65.44
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	12.77	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	10.21	
		<i>For Type 304 Stainless Steel Frame, Add</i>	159.76	
		<i>For Type 316 Stainless Steel Frame, Add</i>	185.30	
		<i>For Baked Enamel Finish, Add</i>	45.17	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-8.51	
		<i>For 14 Gauge Frame, Add</i>	21.28	
		<i>For 12 Gauge Frame, Add</i>	32.35	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	245.30	71.98
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.20	
		<i>For Welded Frames, Add</i>	45.00	
		<i>For Galvanized Frames, Add</i>	12.16	
		<i>For Type 304 Stainless Steel Frame, Add</i>	189.59	
		<i>For Type 316 Stainless Steel Frame, Add</i>	219.99	
		<i>For Baked Enamel Finish, Add</i>	51.99	
		<i>For 3/4 Hour Rating, Add</i>	30.70	
		<i>For 1-1/2 Hour Rating, Add</i>	35.08	
		<i>For 3 Hour Rating, Add</i>	43.86	
		<i>For 18 Gauge Frame, Deduct</i>	-10.13	
		<i>For 14 Gauge Frame, Add</i>	25.33	
		<i>For 12 Gauge Frame, Add</i>	38.51	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	255.64	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.44	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	192.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	223.83	
			<i>For Baked Enamel Finish, Add</i>	53.79	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.30	
			<i>For 14 Gauge Frame, Add</i>	25.74	
			<i>For 12 Gauge Frame, Add</i>	39.12	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	268.73	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.44	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	193.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	224.48	
			<i>For Baked Enamel Finish, Add</i>	55.75	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.30	
			<i>For 14 Gauge Frame, Add</i>	25.74	
			<i>For 12 Gauge Frame, Add</i>	39.12	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame 16 Gauge	274.71	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.69	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.55	
			<i>For Type 304 Stainless Steel Frame, Add</i>	196.73	
			<i>For Type 316 Stainless Steel Frame, Add</i>	228.10	
			<i>For Baked Enamel Finish, Add</i>	56.89	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.46	
			<i>For 14 Gauge Frame, Add</i>	26.14	
			<i>For 12 Gauge Frame, Add</i>	39.74	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	280.69	87.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	15.93	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	12.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	199.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	231.72	
			<i>For Baked Enamel Finish, Add</i>	58.03	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-10.62	
			<i>For 14 Gauge Frame, Add</i>	26.55	
			<i>For 12 Gauge Frame, Add</i>	40.35	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	296.72	91.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	213.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	247.49	
			<i>For Baked Enamel Finish, Add</i>	61.53	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.35	
			<i>For 14 Gauge Frame, Add</i>	28.37	
			<i>For 12 Gauge Frame, Add</i>	43.13	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge	305.44	95.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	213.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	247.93	
			<i>For Baked Enamel Finish, Add</i>	62.84	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.35	
			<i>For 14 Gauge Frame, Add</i>	28.37	
			<i>For 12 Gauge Frame, Add</i>	43.13	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011 EA 4' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	318.21	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	17.63	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.10	
For Type 304 Stainless Steel Frame, Add	221.61	
For Type 316 Stainless Steel Frame, Add	256.87	
For Baked Enamel Finish, Add	65.36	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.75	
For 14 Gauge Frame, Add	29.39	
For 12 Gauge Frame, Add	44.67	
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	331.01	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	18.24	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.59	
For Type 304 Stainless Steel Frame, Add	229.35	
For Type 316 Stainless Steel Frame, Add	265.83	
For Baked Enamel Finish, Add	67.89	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.16	
For 14 Gauge Frame, Add	30.40	
For 12 Gauge Frame, Add	46.21	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	339.73	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	18.24	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.59	
For Type 304 Stainless Steel Frame, Add	229.79	
For Type 316 Stainless Steel Frame, Add	266.27	
For Baked Enamel Finish, Add	69.20	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.16	
For 14 Gauge Frame, Add	30.40	
For 12 Gauge Frame, Add	46.21	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	346.11	111.25
For Auxiliary Frame Reinforcement For Hinges, Add	18.54	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.83	
For Type 304 Stainless Steel Frame, Add	233.64	
For Type 316 Stainless Steel Frame, Add	270.73	
For Baked Enamel Finish, Add	70.46	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.36	
For 14 Gauge Frame, Add	30.91	
For 12 Gauge Frame, Add	46.98	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	352.50	113.43
For Auxiliary Frame Reinforcement For Hinges, Add	18.85	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.08	
For Type 304 Stainless Steel Frame, Add	237.51	
For Type 316 Stainless Steel Frame, Add	275.21	
For Baked Enamel Finish, Add	71.72	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.57	
For 14 Gauge Frame, Add	31.41	
For 12 Gauge Frame, Add	47.75	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	364.98	115.61
For Auxiliary Frame Reinforcement For Hinges, Add	20.06	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.05	
For Type 304 Stainless Steel Frame, Add	252.33	
For Type 316 Stainless Steel Frame, Add	292.46	
For Baked Enamel Finish, Add	74.81	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.38	
For 14 Gauge Frame, Add	33.44	
For 12 Gauge Frame, Add	50.83	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0017	EA		8' x 6'-8" Through 7'-2" x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	377.44	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.28	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	17.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	267.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	309.69	
			<i>For Baked Enamel Finish, Add</i>	77.90	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.19	
			<i>For 14 Gauge Frame, Add</i>	35.47	
			<i>For 12 Gauge Frame, Add</i>	53.91	
08 12 13 13-0018			>7'-2" Through 9'-0" High <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019	EA		2' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	225.46	65.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	14.19	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	11.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	176.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	205.16	
			<i>For Baked Enamel Finish, Add</i>	48.01	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-9.46	
			<i>For 14 Gauge Frame, Add</i>	23.65	
			<i>For 12 Gauge Frame, Add</i>	35.94	
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	256.56	71.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	16.89	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	209.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	243.64	
			<i>For Baked Enamel Finish, Add</i>	55.37	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.26	
			<i>For 14 Gauge Frame, Add</i>	28.15	
			<i>For 12 Gauge Frame, Add</i>	42.78	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	267.08	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	213.54	
			<i>For Type 316 Stainless Steel Frame, Add</i>	247.85	
			<i>For Baked Enamel Finish, Add</i>	57.22	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	280.17	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	214.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	248.51	
			<i>For Baked Enamel Finish, Add</i>	59.18	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.44	
			<i>For 14 Gauge Frame, Add</i>	28.60	
			<i>For 12 Gauge Frame, Add</i>	43.47	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	286.33	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.43	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	217.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	252.51	
			<i>For Baked Enamel Finish, Add</i>	60.38	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.62	
			<i>For 14 Gauge Frame, Add</i>	29.05	
			<i>For 12 Gauge Frame, Add</i>	44.15	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0024 EA 3' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	292.49	87.25
For Auxiliary Frame Reinforcement For Hinges, Add	17.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.16	
For Type 304 Stainless Steel Frame, Add	221.11	
For Type 316 Stainless Steel Frame, Add	256.50	
For Baked Enamel Finish, Add	61.57	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.80	
For 14 Gauge Frame, Add	29.50	
For 12 Gauge Frame, Add	44.84	
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	309.33	91.62
For Auxiliary Frame Reinforcement For Hinges, Add	18.92	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.13	
For Type 304 Stainless Steel Frame, Add	236.14	
For Type 316 Stainless Steel Frame, Add	273.97	
For Baked Enamel Finish, Add	65.31	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.61	
For 14 Gauge Frame, Add	31.53	
For 12 Gauge Frame, Add	47.92	
08 12 13 13-0026 EA 3'-6" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	318.05	95.98
For Auxiliary Frame Reinforcement For Hinges, Add	18.92	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.13	
For Type 304 Stainless Steel Frame, Add	236.58	
For Type 316 Stainless Steel Frame, Add	274.41	
For Baked Enamel Finish, Add	66.62	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.61	
For 14 Gauge Frame, Add	31.53	
For 12 Gauge Frame, Add	47.92	
08 12 13 13-0027 EA 4' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	331.27	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	19.59	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.67	
For Type 304 Stainless Steel Frame, Add	245.11	
For Type 316 Stainless Steel Frame, Add	284.29	
For Baked Enamel Finish, Add	69.28	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.06	
For 14 Gauge Frame, Add	32.65	
For 12 Gauge Frame, Add	49.63	
08 12 13 13-0028 EA 5' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	344.52	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	253.67	
For Type 316 Stainless Steel Frame, Add	294.20	
For Baked Enamel Finish, Add	71.94	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge	353.24	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	20.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	16.21	
For Type 304 Stainless Steel Frame, Add	254.10	
For Type 316 Stainless Steel Frame, Add	294.64	
For Baked Enamel Finish, Add	73.25	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-13.51	
For 14 Gauge Frame, Add	33.78	
For 12 Gauge Frame, Add	51.34	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	359.85	111.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.60	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	258.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	299.58	
			<i>For Baked Enamel Finish, Add</i>	74.58	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.74	
			<i>For 14 Gauge Frame, Add</i>	34.34	
			<i>For 12 Gauge Frame, Add</i>	52.20	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	366.46	113.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	262.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	304.52	
			<i>For Baked Enamel Finish, Add</i>	75.91	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.96	
			<i>For 14 Gauge Frame, Add</i>	34.90	
			<i>For 12 Gauge Frame, Add</i>	53.05	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	379.84	115.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.29	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	17.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	279.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	323.66	
			<i>For Baked Enamel Finish, Add</i>	79.27	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.86	
			<i>For 14 Gauge Frame, Add</i>	37.16	
			<i>For 12 Gauge Frame, Add</i>	56.48	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' x 4-3/4" Deep Metal Door Frame, 16 Gauge.....	393.21	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	23.64	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	18.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	295.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	342.80	
			<i>For Baked Enamel Finish, Add</i>	82.63	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-15.76	
			<i>For 14 Gauge Frame, Add</i>	39.41	
			<i>For 12 Gauge Frame, Add</i>	59.90	
08 12 13 13-0034			Metal Frames 5-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0035			6'-8" Through 7'-2" High (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	225.46	65.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	14.19	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	11.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	176.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	205.16	
			<i>For Baked Enamel Finish, Add</i>	48.01	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-9.46	
			<i>For 14 Gauge Frame, Add</i>	23.65	
			<i>For 12 Gauge Frame, Add</i>	35.94	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	256.56	71.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	16.89	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	13.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	209.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	243.64	
			<i>For Baked Enamel Finish, Add</i>	55.37	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-11.26	
			<i>For 14 Gauge Frame, Add</i>	28.15	
			<i>For 12 Gauge Frame, Add</i>	42.78	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	267.08	76.35
For Auxiliary Frame Reinforcement For Hinges, Add	17.16	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	13.73	
For Type 304 Stainless Steel Frame, Add	213.54	
For Type 316 Stainless Steel Frame, Add	247.85	
For Baked Enamel Finish, Add	57.22	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.44	
For 14 Gauge Frame, Add	28.60	
For 12 Gauge Frame, Add	43.47	
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	280.17	82.89
For Auxiliary Frame Reinforcement For Hinges, Add	17.16	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	13.73	
For Type 304 Stainless Steel Frame, Add	214.19	
For Type 316 Stainless Steel Frame, Add	248.51	
For Baked Enamel Finish, Add	59.18	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.44	
For 14 Gauge Frame, Add	28.60	
For 12 Gauge Frame, Add	43.47	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame 16 Gauge	286.33	85.07
For Auxiliary Frame Reinforcement For Hinges, Add	17.43	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	13.94	
For Type 304 Stainless Steel Frame, Add	217.65	
For Type 316 Stainless Steel Frame, Add	252.51	
For Baked Enamel Finish, Add	60.38	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.62	
For 14 Gauge Frame, Add	29.05	
For 12 Gauge Frame, Add	44.15	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	292.49	87.25
For Auxiliary Frame Reinforcement For Hinges, Add	17.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	14.16	
For Type 304 Stainless Steel Frame, Add	221.11	
For Type 316 Stainless Steel Frame, Add	256.50	
For Baked Enamel Finish, Add	61.57	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-11.80	
For 14 Gauge Frame, Add	29.50	
For 12 Gauge Frame, Add	44.84	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	309.33	91.62
For Auxiliary Frame Reinforcement For Hinges, Add	18.92	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.13	
For Type 304 Stainless Steel Frame, Add	236.14	
For Type 316 Stainless Steel Frame, Add	273.97	
For Baked Enamel Finish, Add	65.31	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.61	
For 14 Gauge Frame, Add	31.53	
For 12 Gauge Frame, Add	47.92	
08 12 13 13-0043 EA 3'-6" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge	318.05	95.98
For Auxiliary Frame Reinforcement For Hinges, Add	18.92	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.13	
For Type 304 Stainless Steel Frame, Add	236.58	
For Type 316 Stainless Steel Frame, Add	274.41	
For Baked Enamel Finish, Add	66.62	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.61	
For 14 Gauge Frame, Add	31.53	
For 12 Gauge Frame, Add	47.92	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	331.27	100.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.59	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	245.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	284.29	
			<i>For Baked Enamel Finish, Add</i>	69.28	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.06	
			<i>For 14 Gauge Frame, Add</i>	32.65	
			<i>For 12 Gauge Frame, Add</i>	49.63	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	344.52	104.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.27	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	253.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	294.20	
			<i>For Baked Enamel Finish, Add</i>	71.94	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.51	
			<i>For 14 Gauge Frame, Add</i>	33.78	
			<i>For 12 Gauge Frame, Add</i>	51.34	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	353.24	109.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.27	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.21	
			<i>For Type 304 Stainless Steel Frame, Add</i>	254.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	294.64	
			<i>For Baked Enamel Finish, Add</i>	73.25	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.51	
			<i>For 14 Gauge Frame, Add</i>	33.78	
			<i>For 12 Gauge Frame, Add</i>	51.34	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	359.85	111.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.60	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	258.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	299.58	
			<i>For Baked Enamel Finish, Add</i>	74.58	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.74	
			<i>For 14 Gauge Frame, Add</i>	34.34	
			<i>For 12 Gauge Frame, Add</i>	52.20	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	366.46	113.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	262.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	304.52	
			<i>For Baked Enamel Finish, Add</i>	75.91	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.96	
			<i>For 14 Gauge Frame, Add</i>	34.90	
			<i>For 12 Gauge Frame, Add</i>	53.05	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	379.84	115.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.29	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	17.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	279.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	323.66	
			<i>For Baked Enamel Finish, Add</i>	79.27	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.86	
			<i>For 14 Gauge Frame, Add</i>	37.16	
			<i>For 12 Gauge Frame, Add</i>	56.48	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0050 EA 8' x 6'-8" Through 7'-2" x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	393.21	117.79
For Auxiliary Frame Reinforcement For Hinges, Add	23.64	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	18.92	
For Type 304 Stainless Steel Frame, Add	295.51	
For Type 316 Stainless Steel Frame, Add	342.80	
For Baked Enamel Finish, Add	82.63	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-15.76	
For 14 Gauge Frame, Add	39.41	
For 12 Gauge Frame, Add	59.90	
08 12 13 13-0051 >7'-2" Through 9'-0" High <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052 EA 2' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	235.96	65.44
For Auxiliary Frame Reinforcement For Hinges, Add	15.76	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	12.61	
For Type 304 Stainless Steel Frame, Add	195.69	
For Type 316 Stainless Steel Frame, Add	227.21	
For Baked Enamel Finish, Add	51.16	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-10.51	
For 14 Gauge Frame, Add	26.27	
For 12 Gauge Frame, Add	39.93	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	269.07	71.98
For Auxiliary Frame Reinforcement For Hinges, Add	18.77	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.01	
For Type 304 Stainless Steel Frame, Add	232.38	
For Type 316 Stainless Steel Frame, Add	269.91	
For Baked Enamel Finish, Add	59.13	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.51	
For 14 Gauge Frame, Add	31.28	
For 12 Gauge Frame, Add	47.54	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	279.79	76.35
For Auxiliary Frame Reinforcement For Hinges, Add	19.07	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.25	
For Type 304 Stainless Steel Frame, Add	236.41	
For Type 316 Stainless Steel Frame, Add	274.54	
For Baked Enamel Finish, Add	61.03	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.71	
For 14 Gauge Frame, Add	31.78	
For 12 Gauge Frame, Add	48.30	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	292.88	82.89
For Auxiliary Frame Reinforcement For Hinges, Add	19.07	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.25	
For Type 304 Stainless Steel Frame, Add	237.07	
For Type 316 Stainless Steel Frame, Add	275.20	
For Baked Enamel Finish, Add	63.00	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.71	
For 14 Gauge Frame, Add	31.78	
For 12 Gauge Frame, Add	48.30	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	299.24	85.07
For Auxiliary Frame Reinforcement For Hinges, Add	19.37	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	15.49	
For Type 304 Stainless Steel Frame, Add	240.89	
For Type 316 Stainless Steel Frame, Add	279.62	
For Baked Enamel Finish, Add	64.25	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-12.91	
For 14 Gauge Frame, Add	32.28	
For 12 Gauge Frame, Add	49.06	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0057	EA		3' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	305.60	87.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.67	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	15.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	244.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	284.04	
			<i>For Baked Enamel Finish, Add</i>	65.51	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-13.11	
			<i>For 14 Gauge Frame, Add</i>	32.78	
			<i>For 12 Gauge Frame, Add</i>	49.82	
08 12 13 13-0058	EA		3'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	323.34	91.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	261.36	
			<i>For Type 316 Stainless Steel Frame, Add</i>	303.39	
			<i>For Baked Enamel Finish, Add</i>	69.52	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.01	
			<i>For 14 Gauge Frame, Add</i>	35.03	
			<i>For 12 Gauge Frame, Add</i>	53.24	
08 12 13 13-0059	EA		3'-6" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	332.06	95.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	16.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	261.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	303.83	
			<i>For Baked Enamel Finish, Add</i>	70.83	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.01	
			<i>For 14 Gauge Frame, Add</i>	35.03	
			<i>For 12 Gauge Frame, Add</i>	53.24	
08 12 13 13-0060	EA		4' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	345.79	100.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	17.41	
			<i>For Type 304 Stainless Steel Frame, Add</i>	271.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	314.79	
			<i>For Baked Enamel Finish, Add</i>	73.64	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-14.51	
			<i>For 14 Gauge Frame, Add</i>	36.28	
			<i>For 12 Gauge Frame, Add</i>	55.15	
08 12 13 13-0061	EA		5' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	359.53	104.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.52	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	18.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	280.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	325.72	
			<i>For Baked Enamel Finish, Add</i>	76.45	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-15.01	
			<i>For 14 Gauge Frame, Add</i>	37.53	
			<i>For 12 Gauge Frame, Add</i>	57.05	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge.....	368.25	109.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.52	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	18.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	281.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	326.16	
			<i>For Baked Enamel Finish, Add</i>	77.76	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-15.01	
			<i>For 14 Gauge Frame, Add</i>	37.53	
			<i>For 12 Gauge Frame, Add</i>	57.05	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063 EA 5'-8" x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	375.11	111.25
For Auxiliary Frame Reinforcement For Hinges, Add	22.89	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	18.31	
For Type 304 Stainless Steel Frame, Add	285.84	
For Type 316 Stainless Steel Frame, Add	331.63	
For Baked Enamel Finish, Add	79.16	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-15.26	
For 14 Gauge Frame, Add	38.16	
For 12 Gauge Frame, Add	58.00	
08 12 13 13-0064 EA 6' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	381.97	113.43
For Auxiliary Frame Reinforcement For Hinges, Add	23.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	18.61	
For Type 304 Stainless Steel Frame, Add	290.56	
For Type 316 Stainless Steel Frame, Add	337.09	
For Baked Enamel Finish, Add	80.56	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-15.51	
For 14 Gauge Frame, Add	38.78	
For 12 Gauge Frame, Add	58.95	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	396.35	115.61
For Auxiliary Frame Reinforcement For Hinges, Add	24.77	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	19.82	
For Type 304 Stainless Steel Frame, Add	308.80	
For Type 316 Stainless Steel Frame, Add	358.33	
For Baked Enamel Finish, Add	84.22	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-16.51	
For 14 Gauge Frame, Add	41.28	
For 12 Gauge Frame, Add	62.75	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' x 5-3/4" Deep Metal Door Frame, 16 Gauge	410.72	117.79
For Auxiliary Frame Reinforcement For Hinges, Add	26.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	21.02	
For Type 304 Stainless Steel Frame, Add	327.03	
For Type 316 Stainless Steel Frame, Add	379.57	
For Baked Enamel Finish, Add	87.88	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-17.51	
For 14 Gauge Frame, Add	43.79	
For 12 Gauge Frame, Add	66.55	
08 12 13 13-0067 Metal Frames 6-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0068 6'-8" Through 7'-2" High (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	280.60	65.44
For Auxiliary Frame Reinforcement For Hinges, Add	22.46	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	17.97	
For Type 304 Stainless Steel Frame, Add	276.04	
For Type 316 Stainless Steel Frame, Add	320.96	
For Baked Enamel Finish, Add	64.55	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-14.97	
For 14 Gauge Frame, Add	37.43	
For 12 Gauge Frame, Add	56.89	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	322.21	71.98
For Auxiliary Frame Reinforcement For Hinges, Add	26.74	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	21.39	
For Type 304 Stainless Steel Frame, Add	328.03	
For Type 316 Stainless Steel Frame, Add	381.50	
For Baked Enamel Finish, Add	75.07	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-17.82	
For 14 Gauge Frame, Add	44.56	
For 12 Gauge Frame, Add	67.73	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071	EA		2'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	333.78	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	333.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	387.92	
			<i>For Baked Enamel Finish, Add</i>	77.23	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.11	
			<i>For 14 Gauge Frame, Add</i>	45.27	
			<i>For 12 Gauge Frame, Add</i>	68.81	
08 12 13 13-0072	EA		2'-8" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	346.87	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.16	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	21.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	334.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	388.58	
			<i>For Baked Enamel Finish, Add</i>	79.19	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.11	
			<i>For 14 Gauge Frame, Add</i>	45.27	
			<i>For 12 Gauge Frame, Add</i>	68.81	
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame 16 Gauge	354.09	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.59	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.07	
			<i>For Type 304 Stainless Steel Frame, Add</i>	339.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	394.80	
			<i>For Baked Enamel Finish, Add</i>	80.71	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.40	
			<i>For 14 Gauge Frame, Add</i>	45.99	
			<i>For 12 Gauge Frame, Add</i>	69.90	
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	361.30	87.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.02	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	344.97	
			<i>For Type 316 Stainless Steel Frame, Add</i>	401.01	
			<i>For Baked Enamel Finish, Add</i>	82.22	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.68	
			<i>For 14 Gauge Frame, Add</i>	46.70	
			<i>For 12 Gauge Frame, Add</i>	70.98	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	382.86	91.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	23.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	368.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	428.38	
			<i>For Baked Enamel Finish, Add</i>	87.37	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-19.96	
			<i>For 14 Gauge Frame, Add</i>	49.91	
			<i>For 12 Gauge Frame, Add</i>	75.86	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge	391.58	95.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	23.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	368.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	428.82	
			<i>For Baked Enamel Finish, Add</i>	88.68	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-19.96	
			<i>For 14 Gauge Frame, Add</i>	49.91	
			<i>For 12 Gauge Frame, Add</i>	75.86	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0077 EA 4' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	407.43	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	31.01	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.81	
For Type 304 Stainless Steel Frame, Add	382.20	
For Type 316 Stainless Steel Frame, Add	444.23	
For Baked Enamel Finish, Add	92.13	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.68	
For 14 Gauge Frame, Add	51.69	
For 12 Gauge Frame, Add	78.57	
08 12 13 13-0078 EA 5' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	423.30	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	32.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.67	
For Type 304 Stainless Steel Frame, Add	395.47	
For Type 316 Stainless Steel Frame, Add	459.64	
For Baked Enamel Finish, Add	95.58	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.39	
For 14 Gauge Frame, Add	53.47	
For 12 Gauge Frame, Add	81.28	
08 12 13 13-0079 EA 5'-4" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	432.02	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	32.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.67	
For Type 304 Stainless Steel Frame, Add	395.91	
For Type 316 Stainless Steel Frame, Add	460.08	
For Baked Enamel Finish, Add	96.89	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.39	
For 14 Gauge Frame, Add	53.47	
For 12 Gauge Frame, Add	81.28	
08 12 13 13-0080 EA 5'-8" x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	439.95	111.25
For Auxiliary Frame Reinforcement For Hinges, Add	32.62	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.10	
For Type 304 Stainless Steel Frame, Add	402.55	
For Type 316 Stainless Steel Frame, Add	467.79	
For Baked Enamel Finish, Add	98.61	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.75	
For 14 Gauge Frame, Add	54.37	
For 12 Gauge Frame, Add	82.63	
08 12 13 13-0081 EA 6' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	447.87	113.43
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.52	
For Type 304 Stainless Steel Frame, Add	409.18	
For Type 316 Stainless Steel Frame, Add	475.48	
For Baked Enamel Finish, Add	100.33	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	466.50	115.61
For Auxiliary Frame Reinforcement For Hinges, Add	35.29	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.23	
For Type 304 Stainless Steel Frame, Add	435.07	
For Type 316 Stainless Steel Frame, Add	505.65	
For Baked Enamel Finish, Add	105.27	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-23.53	
For 14 Gauge Frame, Add	58.82	
For 12 Gauge Frame, Add	89.41	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	485.12	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.43	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	29.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	460.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	535.81	
			<i>For Baked Enamel Finish, Add</i>	110.20	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.95	
			<i>For 14 Gauge Frame, Add</i>	62.39	
			<i>For 12 Gauge Frame, Add</i>	94.83	
08 12 13 13-0084			>7'-2" Through 9'-0" High <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	297.24	65.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.95	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	19.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	305.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	355.90	
			<i>For Baked Enamel Finish, Add</i>	69.54	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-16.64	
			<i>For 14 Gauge Frame, Add</i>	41.59	
			<i>For 12 Gauge Frame, Add</i>	63.22	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	342.02	71.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.71	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	23.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	363.69	
			<i>For Type 316 Stainless Steel Frame, Add</i>	423.10	
			<i>For Baked Enamel Finish, Add</i>	81.01	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-19.81	
			<i>For 14 Gauge Frame, Add</i>	49.51	
			<i>For 12 Gauge Frame, Add</i>	75.26	
08 12 13 13-0087	EA		2'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	353.91	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.18	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	369.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	430.20	
			<i>For Baked Enamel Finish, Add</i>	83.27	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.12	
			<i>For 14 Gauge Frame, Add</i>	50.31	
			<i>For 12 Gauge Frame, Add</i>	76.46	
08 12 13 13-0088	EA		2'-8" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	367.00	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.18	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	370.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	430.85	
			<i>For Baked Enamel Finish, Add</i>	85.23	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.12	
			<i>For 14 Gauge Frame, Add</i>	50.31	
			<i>For 12 Gauge Frame, Add</i>	76.46	
08 12 13 13-0089	EA		2'-10" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	374.52	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.66	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	376.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	437.71	
			<i>For Baked Enamel Finish, Add</i>	86.84	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.44	
			<i>For 14 Gauge Frame, Add</i>	51.10	
			<i>For 12 Gauge Frame, Add</i>	77.66	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090 EA 3' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	382.05	87.25
For Auxiliary Frame Reinforcement For Hinges, Add	31.13	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.91	
For Type 304 Stainless Steel Frame, Add	382.32	
For Type 316 Stainless Steel Frame, Add	444.58	
For Baked Enamel Finish, Add	88.44	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.76	
For 14 Gauge Frame, Add	51.89	
For 12 Gauge Frame, Add	78.87	
08 12 13 13-0091 EA 3'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	405.04	91.62
For Auxiliary Frame Reinforcement For Hinges, Add	33.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.62	
For Type 304 Stainless Steel Frame, Add	408.42	
For Type 316 Stainless Steel Frame, Add	474.96	
For Baked Enamel Finish, Add	94.03	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.18	
For 14 Gauge Frame, Add	55.45	
For 12 Gauge Frame, Add	84.29	
08 12 13 13-0092 EA 3'-6" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	413.76	95.98
For Auxiliary Frame Reinforcement For Hinges, Add	33.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.62	
For Type 304 Stainless Steel Frame, Add	408.86	
For Type 316 Stainless Steel Frame, Add	475.40	
For Baked Enamel Finish, Add	95.34	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.18	
For 14 Gauge Frame, Add	55.45	
For 12 Gauge Frame, Add	84.29	
08 12 13 13-0093 EA 4' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	430.40	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	34.46	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	27.57	
For Type 304 Stainless Steel Frame, Add	423.55	
For Type 316 Stainless Steel Frame, Add	492.47	
For Baked Enamel Finish, Add	99.02	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-22.97	
For 14 Gauge Frame, Add	57.43	
For 12 Gauge Frame, Add	87.30	
08 12 13 13-0094 EA 5' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	447.07	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	35.65	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.52	
For Type 304 Stainless Steel Frame, Add	438.26	
For Type 316 Stainless Steel Frame, Add	509.56	
For Baked Enamel Finish, Add	102.71	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-23.77	
For 14 Gauge Frame, Add	59.42	
For 12 Gauge Frame, Add	90.31	
08 12 13 13-0095 EA 5'-4" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge	455.79	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	35.65	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.52	
For Type 304 Stainless Steel Frame, Add	438.69	
For Type 316 Stainless Steel Frame, Add	509.99	
For Baked Enamel Finish, Add	104.02	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-23.77	
For 14 Gauge Frame, Add	59.42	
For 12 Gauge Frame, Add	90.31	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	464.11	111.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.24	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	446.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	518.53	
			<i>For Baked Enamel Finish, Add</i>	105.86	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.16	
			<i>For 14 Gauge Frame, Add</i>	60.41	
			<i>For 12 Gauge Frame, Add</i>	91.82	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	472.43	113.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.84	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	29.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	453.39	
			<i>For Type 316 Stainless Steel Frame, Add</i>	527.06	
			<i>For Baked Enamel Finish, Add</i>	107.70	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.56	
			<i>For 14 Gauge Frame, Add</i>	61.40	
			<i>For 12 Gauge Frame, Add</i>	93.32	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	492.64	115.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.21	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	31.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	482.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.54	
			<i>For Baked Enamel Finish, Add</i>	113.11	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-26.14	
			<i>For 14 Gauge Frame, Add</i>	65.36	
			<i>For 12 Gauge Frame, Add</i>	99.34	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' x 6-3/4" Deep Metal Door Frame, 16 Gauge.....	512.85	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.59	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	33.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	510.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	594.05	
			<i>For Baked Enamel Finish, Add</i>	118.52	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-27.73	
			<i>For 14 Gauge Frame, Add</i>	69.32	
			<i>For 12 Gauge Frame, Add</i>	105.36	
08 12 13 13-0100			Metal Frames 6-7/8" Through 8-3/4" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0101			6'-8" Through 7'-2" High (08 12 13 13-0100)		
08 12 13 13-0102	EA		2' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	291.83	65.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.14	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	19.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	296.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	344.54	
			<i>For Baked Enamel Finish, Add</i>	67.92	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-16.10	
			<i>For 14 Gauge Frame, Add</i>	40.24	
			<i>For 12 Gauge Frame, Add</i>	61.16	
08 12 13 13-0103	EA		2'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	335.58	71.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.74	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	352.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	409.58	
			<i>For Baked Enamel Finish, Add</i>	79.08	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-19.16	
			<i>For 14 Gauge Frame, Add</i>	47.90	
			<i>For 12 Gauge Frame, Add</i>	72.81	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	347.37	76.35
For Auxiliary Frame Reinforcement For Hinges, Add	29.20	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.36	
For Type 304 Stainless Steel Frame, Add	358.06	
For Type 316 Stainless Steel Frame, Add	416.46	
For Baked Enamel Finish, Add	81.31	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.47	
For 14 Gauge Frame, Add	48.67	
For 12 Gauge Frame, Add	73.98	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	360.46	82.89
For Auxiliary Frame Reinforcement For Hinges, Add	29.20	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.36	
For Type 304 Stainless Steel Frame, Add	358.71	
For Type 316 Stainless Steel Frame, Add	417.12	
For Baked Enamel Finish, Add	83.27	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.47	
For 14 Gauge Frame, Add	48.67	
For 12 Gauge Frame, Add	73.98	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame 16 Gauge	367.88	85.07
For Auxiliary Frame Reinforcement For Hinges, Add	29.66	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	23.73	
For Type 304 Stainless Steel Frame, Add	364.44	
For Type 316 Stainless Steel Frame, Add	423.76	
For Baked Enamel Finish, Add	84.84	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-19.77	
For 14 Gauge Frame, Add	49.44	
For 12 Gauge Frame, Add	75.14	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	375.31	87.25
For Auxiliary Frame Reinforcement For Hinges, Add	30.12	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.10	
For Type 304 Stainless Steel Frame, Add	370.18	
For Type 316 Stainless Steel Frame, Add	430.43	
For Baked Enamel Finish, Add	86.42	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.08	
For 14 Gauge Frame, Add	50.20	
For 12 Gauge Frame, Add	76.31	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	397.83	91.62
For Auxiliary Frame Reinforcement For Hinges, Add	32.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.75	
For Type 304 Stainless Steel Frame, Add	395.44	
For Type 316 Stainless Steel Frame, Add	459.82	
For Baked Enamel Finish, Add	91.86	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.46	
For 14 Gauge Frame, Add	53.65	
For 12 Gauge Frame, Add	81.55	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	406.55	95.98
For Auxiliary Frame Reinforcement For Hinges, Add	32.19	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.75	
For Type 304 Stainless Steel Frame, Add	395.88	
For Type 316 Stainless Steel Frame, Add	460.26	
For Baked Enamel Finish, Add	93.17	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.46	
For 14 Gauge Frame, Add	53.65	
For 12 Gauge Frame, Add	81.55	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0110	EA		4' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	422.94	100.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.34	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	410.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	476.80	
			<i>For Baked Enamel Finish, Add</i>	96.78	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.23	
			<i>For 14 Gauge Frame, Add</i>	55.57	
			<i>For 12 Gauge Frame, Add</i>	84.46	
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	439.34	104.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	424.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	493.32	
			<i>For Baked Enamel Finish, Add</i>	100.39	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	448.06	109.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	424.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	493.76	
			<i>For Baked Enamel Finish, Add</i>	101.70	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	456.25	111.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.06	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	431.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	502.02	
			<i>For Baked Enamel Finish, Add</i>	103.50	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.38	
			<i>For 14 Gauge Frame, Add</i>	58.44	
			<i>For 12 Gauge Frame, Add</i>	88.83	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	464.45	113.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.64	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.51	
			<i>For Type 304 Stainless Steel Frame, Add</i>	439.02	
			<i>For Type 316 Stainless Steel Frame, Add</i>	510.30	
			<i>For Baked Enamel Finish, Add</i>	105.31	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.76	
			<i>For 14 Gauge Frame, Add</i>	59.40	
			<i>For 12 Gauge Frame, Add</i>	90.29	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	484.14	115.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.94	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.35	
			<i>For Type 304 Stainless Steel Frame, Add</i>	466.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.69	
			<i>For Baked Enamel Finish, Add</i>	110.56	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.29	
			<i>For 14 Gauge Frame, Add</i>	63.23	
			<i>For 12 Gauge Frame, Add</i>	96.11	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	503.83	117.79
For Auxiliary Frame Reinforcement For Hinges, Add	40.24	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.19	
For Type 304 Stainless Steel Frame, Add	494.63	
For Type 316 Stainless Steel Frame, Add	575.10	
For Baked Enamel Finish, Add	115.81	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.83	
For 14 Gauge Frame, Add	67.06	
For 12 Gauge Frame, Add	101.94	
08 12 13 13-0117 >7'-2" Through 9'-0" High <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	309.72	65.44
For Auxiliary Frame Reinforcement For Hinges, Add	26.83	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	21.46	
For Type 304 Stainless Steel Frame, Add	328.46	
For Type 316 Stainless Steel Frame, Add	382.11	
For Baked Enamel Finish, Add	73.28	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-17.88	
For 14 Gauge Frame, Add	44.71	
For 12 Gauge Frame, Add	67.96	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	356.87	71.98
For Auxiliary Frame Reinforcement For Hinges, Add	31.94	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.55	
For Type 304 Stainless Steel Frame, Add	390.42	
For Type 316 Stainless Steel Frame, Add	454.29	
For Baked Enamel Finish, Add	85.47	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.29	
For 14 Gauge Frame, Add	53.23	
For 12 Gauge Frame, Add	80.90	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	369.00	76.35
For Auxiliary Frame Reinforcement For Hinges, Add	32.45	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.96	
For Type 304 Stainless Steel Frame, Add	396.99	
For Type 316 Stainless Steel Frame, Add	461.89	
For Baked Enamel Finish, Add	87.80	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.63	
For 14 Gauge Frame, Add	54.08	
For 12 Gauge Frame, Add	82.20	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	382.09	82.89
For Auxiliary Frame Reinforcement For Hinges, Add	32.45	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	25.96	
For Type 304 Stainless Steel Frame, Add	397.65	
For Type 316 Stainless Steel Frame, Add	462.54	
For Baked Enamel Finish, Add	89.76	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.63	
For 14 Gauge Frame, Add	54.08	
For 12 Gauge Frame, Add	82.20	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	389.85	85.07
For Auxiliary Frame Reinforcement For Hinges, Add	32.96	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	26.37	
For Type 304 Stainless Steel Frame, Add	403.99	
For Type 316 Stainless Steel Frame, Add	469.90	
For Baked Enamel Finish, Add	91.43	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-21.97	
For 14 Gauge Frame, Add	54.93	
For 12 Gauge Frame, Add	83.49	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0123	EA		3' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	397.62	87.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.47	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	410.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	477.28	
			<i>For Baked Enamel Finish, Add</i>	93.11	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.31	
			<i>For 14 Gauge Frame, Add</i>	55.78	
			<i>For 12 Gauge Frame, Add</i>	84.79	
08 12 13 13-0124	EA		3'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	421.68	91.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	438.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	509.91	
			<i>For Baked Enamel Finish, Add</i>	99.02	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.85	
			<i>For 14 Gauge Frame, Add</i>	59.61	
			<i>For 12 Gauge Frame, Add</i>	90.61	
08 12 13 13-0125	EA		3'-6" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	430.40	95.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	28.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	438.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	510.34	
			<i>For Baked Enamel Finish, Add</i>	100.33	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-23.85	
			<i>For 14 Gauge Frame, Add</i>	59.61	
			<i>For 12 Gauge Frame, Add</i>	90.61	
08 12 13 13-0126	EA		4' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	447.63	100.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.04	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	29.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	454.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	528.65	
			<i>For Baked Enamel Finish, Add</i>	104.19	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-24.70	
			<i>For 14 Gauge Frame, Add</i>	61.74	
			<i>For 12 Gauge Frame, Add</i>	93.84	
08 12 13 13-0127	EA		5' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	464.89	104.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.32	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	470.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	546.98	
			<i>For Baked Enamel Finish, Add</i>	108.06	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.55	
			<i>For 14 Gauge Frame, Add</i>	63.87	
			<i>For 12 Gauge Frame, Add</i>	97.08	
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	473.61	109.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.32	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	30.66	
			<i>For Type 304 Stainless Steel Frame, Add</i>	470.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	547.41	
			<i>For Baked Enamel Finish, Add</i>	109.36	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-25.55	
			<i>For 14 Gauge Frame, Add</i>	63.87	
			<i>For 12 Gauge Frame, Add</i>	97.08	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0129 EA 5'-8" x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge.....	482.23	111.25
For Auxiliary Frame Reinforcement For Hinges, Add	38.96	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.17	
For Type 304 Stainless Steel Frame, Add	478.66	
For Type 316 Stainless Steel Frame, Add	556.58	
For Baked Enamel Finish, Add	111.30	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-25.97	
For 14 Gauge Frame, Add	64.94	
For 12 Gauge Frame, Add	98.70	
08 12 13 13-0130 EA 6' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	490.85	113.43
For Auxiliary Frame Reinforcement For Hinges, Add	39.60	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.68	
For Type 304 Stainless Steel Frame, Add	486.54	
For Type 316 Stainless Steel Frame, Add	565.74	
For Baked Enamel Finish, Add	113.23	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.40	
For 14 Gauge Frame, Add	66.00	
For 12 Gauge Frame, Add	100.32	
08 12 13 13-0131 EA 7' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	512.25	115.61
For Auxiliary Frame Reinforcement For Hinges, Add	42.15	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	33.72	
For Type 304 Stainless Steel Frame, Add	517.42	
For Type 316 Stainless Steel Frame, Add	601.72	
For Baked Enamel Finish, Add	118.99	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-28.10	
For 14 Gauge Frame, Add	70.26	
For 12 Gauge Frame, Add	106.79	
08 12 13 13-0132 EA 8' x >7'-2" Through 9' x 6-7/8" Through 8-3/4" Deep Metal Door Frame, 16 Gauge	533.64	117.79
For Auxiliary Frame Reinforcement For Hinges, Add	44.71	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	35.77	
For Type 304 Stainless Steel Frame, Add	548.29	
For Type 316 Stainless Steel Frame, Add	637.71	
For Baked Enamel Finish, Add	124.76	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-29.81	
For 14 Gauge Frame, Add	74.52	
For 12 Gauge Frame, Add	113.26	
08 12 13 13-0133 Metal Frames 8-7/8" Through 13" Depth x 16 Gauge, Knock-Down (08 12 13 13)		
08 12 13 13-0134 6'-8" Through 7'-2" High (08 12 13 13-0133)		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	299.32	65.44
For Auxiliary Frame Reinforcement For Hinges, Add	25.27	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	20.21	
For Type 304 Stainless Steel Frame, Add	309.74	
For Type 316 Stainless Steel Frame, Add	360.27	
For Baked Enamel Finish, Add	70.16	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-16.84	
For 14 Gauge Frame, Add	42.11	
For 12 Gauge Frame, Add	64.01	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	344.49	71.98
For Auxiliary Frame Reinforcement For Hinges, Add	30.08	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	24.06	
For Type 304 Stainless Steel Frame, Add	368.13	
For Type 316 Stainless Steel Frame, Add	428.29	
For Baked Enamel Finish, Add	61.75	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-20.05	
For 14 Gauge Frame, Add	50.13	
For 12 Gauge Frame, Add	76.20	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA		2'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	356.42	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.56	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	374.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	435.47	
			<i>For Baked Enamel Finish, Add</i>	84.02	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.37	
			<i>For 14 Gauge Frame, Add</i>	50.93	
			<i>For 12 Gauge Frame, Add</i>	77.42	
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	369.51	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.56	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	375.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	436.12	
			<i>For Baked Enamel Finish, Add</i>	85.99	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.37	
			<i>For 14 Gauge Frame, Add</i>	50.93	
			<i>For 12 Gauge Frame, Add</i>	77.42	
08 12 13 13-0139	EA		2'-10" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame 16 Gauge.....	377.08	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.04	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	24.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	381.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	443.08	
			<i>For Baked Enamel Finish, Add</i>	87.60	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-20.69	
			<i>For 14 Gauge Frame, Add</i>	51.74	
			<i>For 12 Gauge Frame, Add</i>	78.64	
08 12 13 13-0140	EA		3' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	384.65	87.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.52	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	25.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	387.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	450.04	
			<i>For Baked Enamel Finish, Add</i>	89.22	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-21.02	
			<i>For 14 Gauge Frame, Add</i>	52.54	
			<i>For 12 Gauge Frame, Add</i>	79.86	
08 12 13 13-0141	EA		3'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	407.82	91.62
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.69	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	413.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	480.80	
			<i>For Baked Enamel Finish, Add</i>	94.86	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.46	
			<i>For 14 Gauge Frame, Add</i>	56.15	
			<i>For 12 Gauge Frame, Add</i>	85.34	
08 12 13 13-0142	EA		3'-6" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	416.54	95.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.69	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	413.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	481.24	
			<i>For Baked Enamel Finish, Add</i>	96.17	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.46	
			<i>For 14 Gauge Frame, Add</i>	56.15	
			<i>For 12 Gauge Frame, Add</i>	85.34	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0143 EA 4' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	433.28	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	34.89	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	27.91	
For Type 304 Stainless Steel Frame, Add	428.73	
For Type 316 Stainless Steel Frame, Add	498.51	
For Baked Enamel Finish, Add	99.88	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-23.26	
For 14 Gauge Frame, Add	58.15	
For 12 Gauge Frame, Add	88.39	
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	450.04	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	36.09	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.88	
For Type 304 Stainless Steel Frame, Add	443.60	
For Type 316 Stainless Steel Frame, Add	515.79	
For Baked Enamel Finish, Add	103.60	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.06	
For 14 Gauge Frame, Add	60.16	
For 12 Gauge Frame, Add	91.44	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	458.76	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	36.09	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.88	
For Type 304 Stainless Steel Frame, Add	444.04	
For Type 316 Stainless Steel Frame, Add	516.23	
For Baked Enamel Finish, Add	104.91	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.06	
For 14 Gauge Frame, Add	60.16	
For 12 Gauge Frame, Add	91.44	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	467.13	111.25
For Auxiliary Frame Reinforcement For Hinges, Add	36.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.36	
For Type 304 Stainless Steel Frame, Add	451.48	
For Type 316 Stainless Steel Frame, Add	524.87	
For Baked Enamel Finish, Add	106.77	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.46	
For 14 Gauge Frame, Add	61.16	
For 12 Gauge Frame, Add	92.96	
08 12 13 13-0147 EA 6' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	475.50	113.43
For Auxiliary Frame Reinforcement For Hinges, Add	37.30	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.84	
For Type 304 Stainless Steel Frame, Add	458.91	
For Type 316 Stainless Steel Frame, Add	533.51	
For Baked Enamel Finish, Add	108.62	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.87	
For 14 Gauge Frame, Add	62.16	
For 12 Gauge Frame, Add	94.49	
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	495.91	115.61
For Auxiliary Frame Reinforcement For Hinges, Add	39.70	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.76	
For Type 304 Stainless Steel Frame, Add	488.00	
For Type 316 Stainless Steel Frame, Add	567.41	
For Baked Enamel Finish, Add	114.09	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.47	
For 14 Gauge Frame, Add	66.17	
For 12 Gauge Frame, Add	100.58	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	516.31	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.11	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	33.69	
			<i>For Type 304 Stainless Steel Frame, Add</i>	517.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	601.31	
			<i>For Baked Enamel Finish, Add</i>	119.56	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-28.07	
			<i>For 14 Gauge Frame, Add</i>	70.18	
			<i>For 12 Gauge Frame, Add</i>	106.68	
08 12 13 13-0150			>7'-2" Through 9'-0" High <small>(08 12 13 13-0133)</small>		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	318.03	65.44
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.07	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	22.46	
			<i>For Type 304 Stainless Steel Frame, Add</i>	343.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	399.56	
			<i>For Baked Enamel Finish, Add</i>	75.78	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-18.72	
			<i>For 14 Gauge Frame, Add</i>	46.79	
			<i>For 12 Gauge Frame, Add</i>	71.12	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	366.77	71.98
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.42	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	26.74	
			<i>For Type 304 Stainless Steel Frame, Add</i>	408.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	475.08	
			<i>For Baked Enamel Finish, Add</i>	88.44	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.28	
			<i>For 14 Gauge Frame, Add</i>	55.70	
			<i>For 12 Gauge Frame, Add</i>	84.66	
08 12 13 13-0153	EA		2'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	379.06	76.35
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.96	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	415.10	
			<i>For Type 316 Stainless Steel Frame, Add</i>	483.01	
			<i>For Baked Enamel Finish, Add</i>	90.81	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.64	
			<i>For 14 Gauge Frame, Add</i>	56.59	
			<i>For 12 Gauge Frame, Add</i>	86.02	
08 12 13 13-0154	EA		2'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	392.15	82.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.96	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	415.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	483.67	
			<i>For Baked Enamel Finish, Add</i>	92.78	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.64	
			<i>For 14 Gauge Frame, Add</i>	56.59	
			<i>For 12 Gauge Frame, Add</i>	86.02	
08 12 13 13-0155	EA		2'-10" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	400.07	85.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.49	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	27.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	422.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	491.36	
			<i>For Baked Enamel Finish, Add</i>	94.50	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-22.99	
			<i>For 14 Gauge Frame, Add</i>	57.48	
			<i>For 12 Gauge Frame, Add</i>	87.37	



Openings	08	08
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0156 EA 3' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	408.00	87.25
For Auxiliary Frame Reinforcement For Hinges, Add	35.03	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	28.02	
For Type 304 Stainless Steel Frame, Add	429.03	
For Type 316 Stainless Steel Frame, Add	499.08	
For Baked Enamel Finish, Add	96.23	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-23.35	
For 14 Gauge Frame, Add	58.38	
For 12 Gauge Frame, Add	88.73	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	432.77	91.62
For Auxiliary Frame Reinforcement For Hinges, Add	37.43	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.94	
For Type 304 Stainless Steel Frame, Add	458.33	
For Type 316 Stainless Steel Frame, Add	533.20	
For Baked Enamel Finish, Add	102.35	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.95	
For 14 Gauge Frame, Add	62.39	
For 12 Gauge Frame, Add	94.83	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	441.49	95.98
For Auxiliary Frame Reinforcement For Hinges, Add	37.43	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	29.94	
For Type 304 Stainless Steel Frame, Add	458.77	
For Type 316 Stainless Steel Frame, Add	533.63	
For Baked Enamel Finish, Add	103.65	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-24.95	
For 14 Gauge Frame, Add	62.39	
For 12 Gauge Frame, Add	94.83	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	459.12	100.34
For Auxiliary Frame Reinforcement For Hinges, Add	38.77	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	31.01	
For Type 304 Stainless Steel Frame, Add	475.24	
For Type 316 Stainless Steel Frame, Add	552.78	
For Baked Enamel Finish, Add	107.64	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-25.85	
For 14 Gauge Frame, Add	64.61	
For 12 Gauge Frame, Add	98.21	
08 12 13 13-0160 EA 5' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	476.77	104.70
For Auxiliary Frame Reinforcement For Hinges, Add	40.10	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.08	
For Type 304 Stainless Steel Frame, Add	491.72	
For Type 316 Stainless Steel Frame, Add	571.93	
For Baked Enamel Finish, Add	111.62	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.74	
For 14 Gauge Frame, Add	66.84	
For 12 Gauge Frame, Add	101.60	
08 12 13 13-0161 EA 5'-4" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	485.49	109.07
For Auxiliary Frame Reinforcement For Hinges, Add	40.10	
For Welded Frames, Add	45.00	
For Galvanized Frames, Add	32.08	
For Type 304 Stainless Steel Frame, Add	492.15	
For Type 316 Stainless Steel Frame, Add	572.36	
For Baked Enamel Finish, Add	112.93	
For 3/4 Hour Rating, Add	30.70	
For 1-1/2 Hour Rating, Add	35.08	
For 3 Hour Rating, Add	43.86	
For 18 Gauge Frame, Deduct	-26.74	
For 14 Gauge Frame, Add	66.84	
For 12 Gauge Frame, Add	101.60	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge.....	494.31	111.25
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.77	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	32.62	
			<i>For Type 304 Stainless Steel Frame, Add</i>	500.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	581.95	
			<i>For Baked Enamel Finish, Add</i>	114.92	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-27.18	
			<i>For 14 Gauge Frame, Add</i>	67.96	
			<i>For 12 Gauge Frame, Add</i>	103.29	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	503.13	113.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.44	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	33.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	508.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	591.53	
			<i>For Baked Enamel Finish, Add</i>	116.91	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-27.63	
			<i>For 14 Gauge Frame, Add</i>	69.07	
			<i>For 12 Gauge Frame, Add</i>	104.99	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	525.32	115.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.12	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	35.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	540.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	629.17	
			<i>For Baked Enamel Finish, Add</i>	122.91	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-29.41	
			<i>For 14 Gauge Frame, Add</i>	73.53	
			<i>For 12 Gauge Frame, Add</i>	111.76	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' x 8-7/8" Through 13" Deep Metal Door Frame, 16 Gauge	547.50	117.79
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.79	
			<i>For Welded Frames, Add</i>	45.00	
			<i>For Galvanized Frames, Add</i>	37.43	
			<i>For Type 304 Stainless Steel Frame, Add</i>	573.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	666.81	
			<i>For Baked Enamel Finish, Add</i>	128.91	
			<i>For 3/4 Hour Rating, Add</i>	30.70	
			<i>For 1-1/2 Hour Rating, Add</i>	35.08	
			<i>For 3 Hour Rating, Add</i>	43.86	
			<i>For 18 Gauge Frame, Deduct</i>	-31.19	
			<i>For 14 Gauge Frame, Add</i>	77.98	
			<i>For 12 Gauge Frame, Add</i>	118.53	
08 12 13 13-0166			Sidelights And Transoms (08 12 13 13)		
08 12 13 13-0167			Steel Transoms, Fixed (08 12 13 13-0166)		
			Note: Excludes glazing.		
08 12 13 13-0168	SF		4-3/4" Deep Steel Transom, 16 Gauge Frame.....	39.58	12.21
			<i>For Movable Frame, Add</i>	7.92	
			<i>For 18 Gauge Frame, Deduct</i>	-1.52	
			<i>For 14 Gauge Frame, Add</i>	3.79	
			<i>For 12 Gauge Frame, Add</i>	5.76	
08 12 13 13-0169	SF		5-3/4" Deep Steel Transom, 16 Gauge Frame.....	41.19	12.65
			<i>For Movable Frame, Add</i>	8.24	
			<i>For 18 Gauge Frame, Deduct</i>	-1.59	
			<i>For 14 Gauge Frame, Add</i>	3.97	
			<i>For 12 Gauge Frame, Add</i>	6.04	
08 12 13 13-0170	SF		6-3/4" Deep Steel Transom, 16 Gauge Frame.....	42.87	13.09
			<i>For Movable Frame, Add</i>	8.57	
			<i>For 18 Gauge Frame, Deduct</i>	-1.67	
			<i>For 14 Gauge Frame, Add</i>	4.17	
			<i>For 12 Gauge Frame, Add</i>	6.34	
08 12 13 13-0171			Steel Transom Sash, Operable (08 12 13 13-0166)		
			Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep Steel Transom Sash, 16 Gauge Frame.....	49.81	12.21
			<i>For 18 Gauge Frame, Deduct</i>	-2.54	
			<i>For 14 Gauge Frame, Add</i>	6.35	
			<i>For 12 Gauge Frame, Add</i>	9.64	
08 12 13 13-0173	SF		5-3/4" Deep Steel Transom Sash, 16 Gauge Frame.....	51.95	12.65
			<i>For 18 Gauge Frame, Deduct</i>	-2.67	
			<i>For 14 Gauge Frame, Add</i>	6.66	
			<i>For 12 Gauge Frame, Add</i>	10.13	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0174	SF		6-3/4" Deep Steel Transom Sash, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	54.16 -2.80 7.00 10.63	13.09
08 12 13 13-0175			Sidelights, Steel Frame (08 12 13 13-0166) Note: Excludes glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	40.71 -1.63 4.07 6.19	12.21
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	42.39 -1.71 4.27 6.49	12.65
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	44.12 -1.79 4.49 6.82	13.09
08 12 13 13-0179			Sundry Hollow Metal Frame Sections (08 12 13 13)		
08 12 13 13-0180			Verticals, Mullions (08 12 13 13-0179)		
08 12 13 13-0181	LF		4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.21 -1.09 2.73 4.15 8.00 5.00 4.00	4.89
08 12 13 13-0182	LF		4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.65 -1.14 2.84 4.32 8.00 5.00 4.00	4.89
08 12 13 13-0183	LF		5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	23.57 -1.09 2.73 4.15 8.00 5.00 4.00	5.06
08 12 13 13-0184	LF		5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	24.25 -1.16 2.90 4.41 8.00 5.00 4.00	5.06
08 12 13 13-0185	LF		6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	24.39 -1.15 2.87 4.35 8.00 5.00 4.00	5.15
08 12 13 13-0186	LF		6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	24.65 -1.17 2.93 4.45 8.00 5.00 4.00	5.15
08 12 13 13-0187			Horizontals, Rails (08 12 13 13-0179)		
08 12 13 13-0188	LF		4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	17.75 -0.55 1.37 2.07 8.00 5.00 4.00	4.89
08 12 13 13-0189	LF		4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	18.30 -0.60 1.50 2.28 8.00 5.00 4.00	4.89

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0190	LF		5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	18.11	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-0.55	
			<i>For 14 Gauge Frame, Add</i>	1.37	
			<i>For 12 Gauge Frame, Add</i>	2.07	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	18.66	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-0.60	
			<i>For 14 Gauge Frame, Add</i>	1.50	
			<i>For 12 Gauge Frame, Add</i>	2.28	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	18.66	5.15
			<i>For 18 Gauge Frame, Deduct</i>	-0.57	
			<i>For 14 Gauge Frame, Add</i>	1.43	
			<i>For 12 Gauge Frame, Add</i>	2.18	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	19.14	5.15
			<i>For 18 Gauge Frame, Deduct</i>	-0.62	
			<i>For 14 Gauge Frame, Add</i>	1.55	
			<i>For 12 Gauge Frame, Add</i>	2.36	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	

08 12 13 13-0194 Metal Frames Accessories (08 12 13 13)

08 12 13 13-0195	EA		For 1 Foot Extension Of New Door Frame.....	19.59	
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08 12 16 Aluminum Frames (08 12)

08 12 16 00-0001 Aluminum 1/8" Two Pieces (08 12 16)

08 12 16 00-0002 4-1/8" x 3/8" (08 12 16 00-0001)

08 12 16 00-0003	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	922.33	47.99
08 12 16 00-0004	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	922.33	47.99

08 12 16 00-0005 4-3/4" x 1-3/8" (08 12 16 00-0001)

08 12 16 00-0006	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	922.33	47.99
08 12 16 00-0007	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	922.33	47.99

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge 1-3/4" Unrated Door (08 13 13 13)

08 13 13 13-0002 6'-8" High (08 13 13 13-0001)

08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	347.59	47.99
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.32	
			<i>For Type 304 Stainless Steel Door, Add</i>	206.09	
			<i>For Type 316 Stainless Steel Door, Add</i>	331.89	
			<i>For Embossed Panel, Add</i>	60.39	
			<i>For Galvanized Steel, Add</i>	37.74	
			<i>For Baked Enamel Finish, Add</i>	133.07	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-19.78	
			<i>For >100, Deduct</i>	-28.47	
			<i>For Insulated Door (Polystyrene Core), Add</i>	25.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	62.90	
			<i>For Seamless Edge (Welded), Add</i>	31.45	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	347.59	47.99
For Composite Door Instead Of Full Panel Door, Add	11.32	
For Type 304 Stainless Steel Door, Add	206.09	
For Type 316 Stainless Steel Door, Add	331.89	
For Embossed Panel, Add	60.39	
For Galvanized Steel, Add	37.74	
For Baked Enamel Finish, Add	133.07	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-19.78	
For >100, Deduct	-28.47	
For Insulated Door (Polystyrene Core), Add	25.16	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	62.90	
For Seamless Edge (Welded), Add	31.45	
08 13 13 13-0005 EA 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	357.10	50.17
For Composite Door Instead Of Full Panel Door, Add	11.55	
For Type 304 Stainless Steel Door, Add	210.43	
For Type 316 Stainless Steel Door, Add	338.81	
For Embossed Panel, Add	61.62	
For Galvanized Steel, Add	38.51	
For Baked Enamel Finish, Add	137.23	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.36	
For >100, Deduct	-29.29	
For Insulated Door (Polystyrene Core), Add	25.68	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	64.19	
For Seamless Edge (Welded), Add	32.10	
08 13 13 13-0006 EA 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	360.93	50.17
For Composite Door Instead Of Full Panel Door, Add	11.73	
For Type 304 Stainless Steel Door, Add	213.49	
For Type 316 Stainless Steel Door, Add	343.78	
For Embossed Panel, Add	62.54	
For Galvanized Steel, Add	39.09	
For Baked Enamel Finish, Add	138.38	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.56	
For >100, Deduct	-29.58	
For Insulated Door (Polystyrene Core), Add	26.06	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.15	
For Seamless Edge (Welded), Add	32.57	
08 13 13 13-0007 EA 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	364.66	51.26
For Composite Door Instead Of Full Panel Door, Add	11.80	
For Type 304 Stainless Steel Door, Add	214.83	
For Type 316 Stainless Steel Door, Add	345.90	
For Embossed Panel, Add	62.91	
For Galvanized Steel, Add	39.32	
For Baked Enamel Finish, Add	140.16	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-20.80	
For >100, Deduct	-29.91	
For Insulated Door (Polystyrene Core), Add	26.21	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.53	
For Seamless Edge (Welded), Add	32.77	
08 13 13 13-0008 EA 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	368.36	52.35
For Composite Door Instead Of Full Panel Door, Add	11.86	
For Type 304 Stainless Steel Door, Add	216.16	
For Type 316 Stainless Steel Door, Add	347.99	
For Embossed Panel, Add	63.28	
For Galvanized Steel, Add	39.55	
For Baked Enamel Finish, Add	141.92	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.04	
For >100, Deduct	-30.24	
For Insulated Door (Polystyrene Core), Add	26.37	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	65.92	
For Seamless Edge (Welded), Add	32.96	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0009	EA	3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	388.29	52.35
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.76	
			<i>For Type 304 Stainless Steel Door, Add</i>	232.11	
			<i>For Type 316 Stainless Steel Door, Add</i>	373.90	
			<i>For Embossed Panel, Add</i>	68.06	
			<i>For Galvanized Steel, Add</i>	42.54	
			<i>For Baked Enamel Finish, Add</i>	147.90	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.03	
			<i>For >100, Deduct</i>	-31.74	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.36	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	70.90	
			<i>For Seamless Edge (Welded), Add</i>	35.45	
08 13 13	13-0010	EA	3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	400.32	54.53
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	238.45	
			<i>For Type 316 Stainless Steel Door, Add</i>	384.08	
			<i>For Embossed Panel, Add</i>	69.90	
			<i>For Galvanized Steel, Add</i>	43.69	
			<i>For Baked Enamel Finish, Add</i>	152.82	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.74	
			<i>For >100, Deduct</i>	-32.75	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.13	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.81	
			<i>For Seamless Edge (Welded), Add</i>	36.41	
08 13 13	13-0011	EA	4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	439.70	58.90
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.49	
			<i>For Type 304 Stainless Steel Door, Add</i>	263.42	
			<i>For Type 316 Stainless Steel Door, Add</i>	424.37	
			<i>For Embossed Panel, Add</i>	77.26	
			<i>For Galvanized Steel, Add</i>	48.29	
			<i>For Baked Enamel Finish, Add</i>	167.25	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-24.93	
			<i>For >100, Deduct</i>	-35.92	
			<i>For Insulated Door (Polystyrene Core), Add</i>	32.19	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	80.48	
			<i>For Seamless Edge (Welded), Add</i>	40.24	
08 13 13	13-0012	PR	Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	704.16	95.32
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	420.35	
			<i>For Type 316 Stainless Steel Door, Add</i>	677.11	
			<i>For Embossed Panel, Add</i>	123.24	
			<i>For Galvanized Steel, Add</i>	77.03	
			<i>For Baked Enamel Finish, Add</i>	268.44	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-39.97	
			<i>For >100, Deduct</i>	-57.58	
			<i>For Insulated Door (Polystyrene Core), Add</i>	51.35	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	128.38	
			<i>For Seamless Edge (Welded), Add</i>	64.19	
08 13 13	13-0013	PR	Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	711.83	95.32
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.45	
			<i>For Type 304 Stainless Steel Door, Add</i>	426.48	
			<i>For Type 316 Stainless Steel Door, Add</i>	687.08	
			<i>For Embossed Panel, Add</i>	125.09	
			<i>For Galvanized Steel, Add</i>	78.18	
			<i>For Baked Enamel Finish, Add</i>	270.74	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-40.36	
			<i>For >100, Deduct</i>	-58.15	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.12	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	130.30	
			<i>For Seamless Edge (Welded), Add</i>	65.15	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014 PR Pair 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	694.39	85.07
For Composite Door Instead Of Full Panel Door, Add	23.59	
For Type 304 Stainless Steel Door, Add	427.91	
For Type 316 Stainless Steel Door, Add	690.03	
For Embossed Panel, Add	125.82	
For Galvanized Steel, Add	78.64	
For Baked Enamel Finish, Add	259.36	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.97	
For >100, Deduct	-56.33	
For Insulated Door (Polystyrene Core), Add	52.43	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.06	
For Seamless Edge (Welded), Add	65.53	
08 13 13 13-0015 PR Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	726.25	99.47
For Composite Door Instead Of Full Panel Door, Add	23.73	
For Type 304 Stainless Steel Door, Add	431.80	
For Type 316 Stainless Steel Door, Add	695.46	
For Embossed Panel, Add	126.56	
For Galvanized Steel, Add	79.10	
For Baked Enamel Finish, Add	277.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-41.29	
For >100, Deduct	-59.44	
For Insulated Door (Polystyrene Core), Add	52.73	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.83	
For Seamless Edge (Welded), Add	65.92	
08 13 13 13-0016 PR Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	789.72	103.61
For Composite Door Instead Of Full Panel Door, Add	26.21	
For Type 304 Stainless Steel Door, Add	476.36	
For Type 316 Stainless Steel Door, Add	767.61	
For Embossed Panel, Add	139.80	
For Galvanized Steel, Add	87.38	
For Baked Enamel Finish, Add	299.08	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-44.67	
For >100, Deduct	-64.41	
For Insulated Door (Polystyrene Core), Add	58.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.63	
For Seamless Edge (Welded), Add	72.81	
08 13 13 13-0017 PR Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	867.62	111.90
For Composite Door Instead Of Full Panel Door, Add	28.97	
For Type 304 Stainless Steel Door, Add	526.25	
For Type 316 Stainless Steel Door, Add	848.16	
For Embossed Panel, Add	154.52	
For Galvanized Steel, Add	96.57	
For Baked Enamel Finish, Add	327.43	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.98	
For >100, Deduct	-70.67	
For Insulated Door (Polystyrene Core), Add	64.38	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	160.96	
For Seamless Edge (Welded), Add	80.48	

08 13 13 13-0018 7' High (08 13 13 13-0001)

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0019	EA	2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	354.19	47.99
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	211.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	340.47	
			<i>For Embossed Panel, Add</i>	61.97	
			<i>For Galvanized Steel, Add</i>	38.73	
			<i>For Baked Enamel Finish, Add</i>	135.05	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.11	
			<i>For >100, Deduct</i>	-28.96	
			<i>For Insulated Door (Polystyrene Core), Add</i>	25.82	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	64.55	
			<i>For Seamless Edge (Welded), Add</i>	32.28	
08 13 13	13-0020	EA	2'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	354.19	47.99
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	211.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	340.47	
			<i>For Embossed Panel, Add</i>	61.97	
			<i>For Galvanized Steel, Add</i>	38.73	
			<i>For Baked Enamel Finish, Add</i>	135.05	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.11	
			<i>For >100, Deduct</i>	-28.96	
			<i>For Insulated Door (Polystyrene Core), Add</i>	25.82	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	64.55	
			<i>For Seamless Edge (Welded), Add</i>	32.28	
08 13 13	13-0021	EA	2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	363.83	50.17
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.86	
			<i>For Type 304 Stainless Steel Door, Add</i>	215.81	
			<i>For Type 316 Stainless Steel Door, Add</i>	347.55	
			<i>For Embossed Panel, Add</i>	63.24	
			<i>For Galvanized Steel, Add</i>	39.52	
			<i>For Baked Enamel Finish, Add</i>	139.25	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.70	
			<i>For >100, Deduct</i>	-29.80	
			<i>For Insulated Door (Polystyrene Core), Add</i>	26.35	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	65.87	
			<i>For Seamless Edge (Welded), Add</i>	32.94	
08 13 13	13-0022	EA	2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	367.76	50.17
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.03	
			<i>For Type 304 Stainless Steel Door, Add</i>	218.95	
			<i>For Type 316 Stainless Steel Door, Add</i>	352.66	
			<i>For Embossed Panel, Add</i>	64.18	
			<i>For Galvanized Steel, Add</i>	40.11	
			<i>For Baked Enamel Finish, Add</i>	140.43	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-20.90	
			<i>For >100, Deduct</i>	-30.09	
			<i>For Insulated Door (Polystyrene Core), Add</i>	26.74	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	66.86	
			<i>For Seamless Edge (Welded), Add</i>	33.43	
08 13 13	13-0023	EA	2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	371.52	51.26
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.10	
			<i>For Type 304 Stainless Steel Door, Add</i>	220.32	
			<i>For Type 316 Stainless Steel Door, Add</i>	354.81	
			<i>For Embossed Panel, Add</i>	64.56	
			<i>For Galvanized Steel, Add</i>	40.35	
			<i>For Baked Enamel Finish, Add</i>	142.22	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.14	
			<i>For >100, Deduct</i>	-30.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	26.90	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	67.25	
			<i>For Seamless Edge (Welded), Add</i>	33.62	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024 EA 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	375.27	52.35
For Composite Door Instead Of Full Panel Door, Add	12.18	
For Type 304 Stainless Steel Door, Add	221.69	
For Type 316 Stainless Steel Door, Add	356.98	
For Embossed Panel, Add	64.94	
For Galvanized Steel, Add	40.59	
For Baked Enamel Finish, Add	143.99	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.38	
For >100, Deduct	-30.76	
For Insulated Door (Polystyrene Core), Add	27.06	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.64	
For Seamless Edge (Welded), Add	33.82	
08 13 13 13-0025 EA 3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	395.72	52.35
For Composite Door Instead Of Full Panel Door, Add	13.10	
For Type 304 Stainless Steel Door, Add	238.05	
For Type 316 Stainless Steel Door, Add	383.56	
For Embossed Panel, Add	69.84	
For Galvanized Steel, Add	43.65	
For Baked Enamel Finish, Add	150.13	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-22.40	
For >100, Deduct	-32.30	
For Insulated Door (Polystyrene Core), Add	29.10	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	72.76	
For Seamless Edge (Welded), Add	36.38	
08 13 13 13-0026 EA 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	407.95	54.53
For Composite Door Instead Of Full Panel Door, Add	13.45	
For Type 304 Stainless Steel Door, Add	244.56	
For Type 316 Stainless Steel Door, Add	394.00	
For Embossed Panel, Add	71.73	
For Galvanized Steel, Add	44.83	
For Baked Enamel Finish, Add	155.11	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.12	
For >100, Deduct	-33.32	
For Insulated Door (Polystyrene Core), Add	29.89	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	74.72	
For Seamless Edge (Welded), Add	37.36	
08 13 13 13-0027 EA 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	448.13	58.90
For Composite Door Instead Of Full Panel Door, Add	14.87	
For Type 304 Stainless Steel Door, Add	270.16	
For Type 316 Stainless Steel Door, Add	435.33	
For Embossed Panel, Add	79.28	
For Galvanized Steel, Add	49.55	
For Baked Enamel Finish, Add	169.78	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.35	
For >100, Deduct	-36.55	
For Insulated Door (Polystyrene Core), Add	33.03	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	82.59	
For Seamless Edge (Welded), Add	41.29	
08 13 13 13-0028 PR Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	717.62	95.32
For Composite Door Instead Of Full Panel Door, Add	23.71	
For Type 304 Stainless Steel Door, Add	431.12	
For Type 316 Stainless Steel Door, Add	694.61	
For Embossed Panel, Add	126.48	
For Galvanized Steel, Add	79.05	
For Baked Enamel Finish, Add	272.48	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.65	
For >100, Deduct	-58.59	
For Insulated Door (Polystyrene Core), Add	52.70	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.75	
For Seamless Edge (Welded), Add	65.87	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0029	PR		Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	725.48	95.32
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.07	
			<i>For Type 304 Stainless Steel Door, Add</i>	437.40	
			<i>For Type 316 Stainless Steel Door, Add</i>	704.82	
			<i>For Embossed Panel, Add</i>	128.36	
			<i>For Galvanized Steel, Add</i>	80.23	
			<i>For Baked Enamel Finish, Add</i>	274.84	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.04	
			<i>For >100, Deduct</i>	-59.18	
			<i>For Insulated Door (Polystyrene Core), Add</i>	53.48	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	133.71	
			<i>For Seamless Edge (Welded), Add</i>	66.86	
08 13 13-0030	PR		Pair 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	708.13	85.07
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.21	
			<i>For Type 304 Stainless Steel Door, Add</i>	438.90	
			<i>For Type 316 Stainless Steel Door, Add</i>	707.89	
			<i>For Embossed Panel, Add</i>	129.12	
			<i>For Galvanized Steel, Add</i>	80.70	
			<i>For Baked Enamel Finish, Add</i>	263.48	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-39.66	
			<i>For >100, Deduct</i>	-57.36	
			<i>For Insulated Door (Polystyrene Core), Add</i>	53.80	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	134.50	
			<i>For Seamless Edge (Welded), Add</i>	67.25	
08 13 13-0031	PR		Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	740.06	99.47
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	442.85	
			<i>For Type 316 Stainless Steel Door, Add</i>	713.42	
			<i>For Embossed Panel, Add</i>	129.87	
			<i>For Galvanized Steel, Add</i>	81.17	
			<i>For Baked Enamel Finish, Add</i>	281.70	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.98	
			<i>For >100, Deduct</i>	-60.48	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.11	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	135.28	
			<i>For Seamless Edge (Welded), Add</i>	67.64	
08 13 13-0032	PR		Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	804.98	103.61
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.90	
			<i>For Type 304 Stainless Steel Door, Add</i>	488.57	
			<i>For Type 316 Stainless Steel Door, Add</i>	787.45	
			<i>For Embossed Panel, Add</i>	143.46	
			<i>For Galvanized Steel, Add</i>	89.66	
			<i>For Baked Enamel Finish, Add</i>	303.66	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.43	
			<i>For >100, Deduct</i>	-65.55	
			<i>For Insulated Door (Polystyrene Core), Add</i>	59.78	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	149.44	
			<i>For Seamless Edge (Welded), Add</i>	74.72	
08 13 13-0033	PR		Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	884.49	111.90
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	29.73	
			<i>For Type 304 Stainless Steel Door, Add</i>	539.74	
			<i>For Type 316 Stainless Steel Door, Add</i>	870.09	
			<i>For Embossed Panel, Add</i>	158.57	
			<i>For Galvanized Steel, Add</i>	99.10	
			<i>For Baked Enamel Finish, Add</i>	332.49	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.82	
			<i>For >100, Deduct</i>	-71.93	
			<i>For Insulated Door (Polystyrene Core), Add</i>	66.07	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	165.17	
			<i>For Seamless Edge (Welded), Add</i>	82.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034 7'-2" High <small>(08 13 13 13-0001)</small>		
08 13 13 13-0035 EA 2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	360.59	47.99
<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.91	
<i>For Type 304 Stainless Steel Door, Add</i>	216.49	
<i>For Type 316 Stainless Steel Door, Add</i>	348.79	
<i>For Embossed Panel, Add</i>	63.51	
<i>For Galvanized Steel, Add</i>	39.69	
<i>For Baked Enamel Finish, Add</i>	136.97	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-20.43	
<i>For >100, Deduct</i>	-29.44	
<i>For Insulated Door (Polystyrene Core), Add</i>	26.46	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	66.15	
<i>For Seamless Edge (Welded), Add</i>	33.08	
08 13 13 13-0036 EA 2'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	360.59	47.99
<i>For Composite Door Instead Of Full Panel Door, Add</i>	11.91	
<i>For Type 304 Stainless Steel Door, Add</i>	216.49	
<i>For Type 316 Stainless Steel Door, Add</i>	348.79	
<i>For Embossed Panel, Add</i>	63.51	
<i>For Galvanized Steel, Add</i>	39.69	
<i>For Baked Enamel Finish, Add</i>	136.97	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-20.43	
<i>For >100, Deduct</i>	-29.44	
<i>For Insulated Door (Polystyrene Core), Add</i>	26.46	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	66.15	
<i>For Seamless Edge (Welded), Add</i>	33.08	
08 13 13 13-0037 EA 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	370.36	50.17
<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.15	
<i>For Type 304 Stainless Steel Door, Add</i>	221.03	
<i>For Type 316 Stainless Steel Door, Add</i>	356.04	
<i>For Embossed Panel, Add</i>	64.80	
<i>For Galvanized Steel, Add</i>	40.50	
<i>For Baked Enamel Finish, Add</i>	141.21	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-21.03	
<i>For >100, Deduct</i>	-30.29	
<i>For Insulated Door (Polystyrene Core), Add</i>	27.00	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	67.51	
<i>For Seamless Edge (Welded), Add</i>	33.75	
08 13 13 13-0038 EA 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	374.39	50.17
<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.33	
<i>For Type 304 Stainless Steel Door, Add</i>	224.26	
<i>For Type 316 Stainless Steel Door, Add</i>	361.28	
<i>For Embossed Panel, Add</i>	65.77	
<i>For Galvanized Steel, Add</i>	41.11	
<i>For Baked Enamel Finish, Add</i>	142.42	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-21.23	
<i>For >100, Deduct</i>	-30.59	
<i>For Insulated Door (Polystyrene Core), Add</i>	27.41	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	68.51	
<i>For Seamless Edge (Welded), Add</i>	34.26	
08 13 13 13-0039 EA 2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	378.19	51.26
<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.40	
<i>For Type 304 Stainless Steel Door, Add</i>	225.65	
<i>For Type 316 Stainless Steel Door, Add</i>	363.48	
<i>For Embossed Panel, Add</i>	66.16	
<i>For Galvanized Steel, Add</i>	41.35	
<i>For Baked Enamel Finish, Add</i>	144.22	
<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
<i>For >50 To 100, Deduct</i>	-21.47	
<i>For >100, Deduct</i>	-30.93	
<i>For Insulated Door (Polystyrene Core), Add</i>	27.57	
<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	68.92	
<i>For Seamless Edge (Welded), Add</i>	34.46	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0040	EA	3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	381.98	52.35
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.48	
			<i>For Type 304 Stainless Steel Door, Add</i>	227.06	
			<i>For Type 316 Stainless Steel Door, Add</i>	365.70	
			<i>For Embossed Panel, Add</i>	66.55	
			<i>For Galvanized Steel, Add</i>	41.59	
			<i>For Baked Enamel Finish, Add</i>	146.00	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.72	
			<i>For >100, Deduct</i>	-31.27	
			<i>For Insulated Door (Polystyrene Core), Add</i>	27.73	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	69.32	
			<i>For Seamless Edge (Welded), Add</i>	34.66	
08 13 13	13-0041	EA	3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	402.93	52.35
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	243.82	
			<i>For Type 316 Stainless Steel Door, Add</i>	392.93	
			<i>For Embossed Panel, Add</i>	71.58	
			<i>For Galvanized Steel, Add</i>	44.73	
			<i>For Baked Enamel Finish, Add</i>	152.29	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.76	
			<i>For >100, Deduct</i>	-32.84	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.82	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	74.56	
			<i>For Seamless Edge (Welded), Add</i>	37.28	
08 13 13	13-0042	EA	3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	415.36	54.53
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.78	
			<i>For Type 304 Stainless Steel Door, Add</i>	250.49	
			<i>For Type 316 Stainless Steel Door, Add</i>	403.63	
			<i>For Embossed Panel, Add</i>	73.51	
			<i>For Galvanized Steel, Add</i>	45.94	
			<i>For Baked Enamel Finish, Add</i>	157.33	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.49	
			<i>For >100, Deduct</i>	-33.88	
			<i>For Insulated Door (Polystyrene Core), Add</i>	30.63	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	76.57	
			<i>For Seamless Edge (Welded), Add</i>	38.29	
08 13 13	13-0043	EA	4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	456.33	58.90
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.23	
			<i>For Type 304 Stainless Steel Door, Add</i>	276.72	
			<i>For Type 316 Stainless Steel Door, Add</i>	445.99	
			<i>For Embossed Panel, Add</i>	81.25	
			<i>For Galvanized Steel, Add</i>	50.78	
			<i>For Baked Enamel Finish, Add</i>	172.24	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.76	
			<i>For >100, Deduct</i>	-37.17	
			<i>For Insulated Door (Polystyrene Core), Add</i>	33.85	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	84.64	
			<i>For Seamless Edge (Welded), Add</i>	42.32	
08 13 13	13-0044	PR	Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	730.68	95.32
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	441.56	
			<i>For Type 316 Stainless Steel Door, Add</i>	711.58	
			<i>For Embossed Panel, Add</i>	129.61	
			<i>For Galvanized Steel, Add</i>	81.01	
			<i>For Baked Enamel Finish, Add</i>	276.40	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.30	
			<i>For >100, Deduct</i>	-59.57	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.00	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	135.01	
			<i>For Seamless Edge (Welded), Add</i>	67.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0045	PR		Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	738.75	95.32
				For Composite Door Instead Of Full Panel Door, Add	24.66	
				For Type 304 Stainless Steel Door, Add	448.02	
				For Type 316 Stainless Steel Door, Add	722.08	
				For Embossed Panel, Add	131.55	
				For Galvanized Steel, Add	82.22	
				For Baked Enamel Finish, Add	278.82	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-41.70	
				For >100, Deduct	-60.17	
				For Insulated Door (Polystyrene Core), Add	54.81	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.03	
				For Seamless Edge (Welded), Add	68.51	
08 13 13	13-0046	PR		Pair 2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	721.47	85.07
				For Composite Door Instead Of Full Panel Door, Add	24.81	
				For Type 304 Stainless Steel Door, Add	449.57	
				For Type 316 Stainless Steel Door, Add	725.24	
				For Embossed Panel, Add	132.32	
				For Galvanized Steel, Add	82.70	
				For Baked Enamel Finish, Add	267.48	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-40.33	
				For >100, Deduct	-58.36	
				For Insulated Door (Polystyrene Core), Add	55.13	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.83	
				For Seamless Edge (Welded), Add	68.92	
08 13 13	13-0047	PR		Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	753.48	99.47
				For Composite Door Instead Of Full Panel Door, Add	24.95	
				For Type 304 Stainless Steel Door, Add	453.59	
				For Type 316 Stainless Steel Door, Add	730.86	
				For Embossed Panel, Add	133.09	
				For Galvanized Steel, Add	83.18	
				For Baked Enamel Finish, Add	285.72	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-42.65	
				For >100, Deduct	-61.48	
				For Insulated Door (Polystyrene Core), Add	55.46	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	138.64	
				For Seamless Edge (Welded), Add	69.32	
08 13 13	13-0048	PR		Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	819.81	103.61
				For Composite Door Instead Of Full Panel Door, Add	27.57	
				For Type 304 Stainless Steel Door, Add	500.43	
				For Type 316 Stainless Steel Door, Add	806.73	
				For Embossed Panel, Add	147.02	
				For Galvanized Steel, Add	91.89	
				For Baked Enamel Finish, Add	308.11	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-46.17	
				For >100, Deduct	-66.67	
				For Insulated Door (Polystyrene Core), Add	61.26	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	153.15	
				For Seamless Edge (Welded), Add	76.57	
08 13 13	13-0049	PR		Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	900.87	111.90
				For Composite Door Instead Of Full Panel Door, Add	30.47	
				For Type 304 Stainless Steel Door, Add	552.85	
				For Type 316 Stainless Steel Door, Add	891.38	
				For Embossed Panel, Add	162.50	
				For Galvanized Steel, Add	101.56	
				For Baked Enamel Finish, Add	337.40	
				For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
				For 45 Minutes Rated Door And FM Label, Add	41.40	
				For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
				For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
				For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
				For >50 To 100, Deduct	-50.64	
				For >100, Deduct	-73.16	
				For Insulated Door (Polystyrene Core), Add	67.71	
				For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	169.27	
				For Seamless Edge (Welded), Add	84.63	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0050		18 Gauge 1-3/4" Unrated Door (08 13 13 13)			
08 13 13 13-0051		6'-8" High (08 13 13 13-0050)			
08 13 13 13-0052	EA	2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	367.95		47.99
		For 18 Gauge, Grade II, Heavy Duty, Add	54.39		
		For Composite Door Instead Of Full Panel Door, Add	12.24		
		For Type 304 Stainless Steel Door, Add	222.38		
		For Type 316 Stainless Steel Door, Add	358.36		
		For Embossed Panel, Add	65.27		
		For Galvanized Steel, Add	40.80		
		For Baked Enamel Finish, Add	139.18		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-20.80		
		For >100, Deduct	-30.00		
		For 2" Thick Door, Add	22.12		
		For Insulated Door (Polystyrene Core), Add	27.20		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.99		
		For Seamless Edge (Welded), Add	34.00		
		For Steel Stiffened, Add	67.99		
08 13 13 13-0053	EA	2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	367.95		47.99
		For 18 Gauge, Grade II, Heavy Duty, Add	54.39		
		For Composite Door Instead Of Full Panel Door, Add	12.24		
		For Type 304 Stainless Steel Door, Add	222.38		
		For Type 316 Stainless Steel Door, Add	358.36		
		For Embossed Panel, Add	65.27		
		For Galvanized Steel, Add	40.80		
		For Baked Enamel Finish, Add	139.18		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-20.80		
		For >100, Deduct	-30.00		
		For 2" Thick Door, Add	22.12		
		For Insulated Door (Polystyrene Core), Add	27.20		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	67.99		
		For Seamless Edge (Welded), Add	34.00		
		For Steel Stiffened, Add	67.99		
08 13 13 13-0054	EA	2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	377.87		50.17
		For 18 Gauge, Grade II, Heavy Duty, Add	55.51		
		For Composite Door Instead Of Full Panel Door, Add	12.49		
		For Type 304 Stainless Steel Door, Add	227.04		
		For Type 316 Stainless Steel Door, Add	365.81		
		For Embossed Panel, Add	66.61		
		For Galvanized Steel, Add	41.63		
		For Baked Enamel Finish, Add	143.46		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-21.40		
		For >100, Deduct	-30.85		
		For 2" Thick Door, Add	22.63		
		For Insulated Door (Polystyrene Core), Add	27.75		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.38		
		For Seamless Edge (Welded), Add	34.69		
		For Steel Stiffened, Add	69.38		
08 13 13 13-0055	EA	2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	382.02		50.17
		For 18 Gauge, Grade II, Heavy Duty, Add	56.34		
		For Composite Door Instead Of Full Panel Door, Add	12.68		
		For Type 304 Stainless Steel Door, Add	230.36		
		For Type 316 Stainless Steel Door, Add	371.20		
		For Embossed Panel, Add	67.60		
		For Galvanized Steel, Add	42.25		
		For Baked Enamel Finish, Add	144.71		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-21.61		
		For >100, Deduct	-31.16		
		For 2" Thick Door, Add	22.93		
		For Insulated Door (Polystyrene Core), Add	28.17		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.42		
		For Seamless Edge (Welded), Add	35.21		
		For Steel Stiffened, Add	70.42		



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0056 EA 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	385.86	51.26
For 18 Gauge, Grade II, Heavy Duty, Add	56.67	
For Composite Door Instead Of Full Panel Door, Add	12.75	
For Type 304 Stainless Steel Door, Add	231.79	
For Type 316 Stainless Steel Door, Add	373.46	
For Embossed Panel, Add	68.00	
For Galvanized Steel, Add	42.50	
For Baked Enamel Finish, Add	146.52	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.86	
For >100, Deduct	-31.50	
For 2" Thick Door, Add	23.10	
For Insulated Door (Polystyrene Core), Add	28.33	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.83	
For Seamless Edge (Welded), Add	35.42	
For Steel Stiffened, Add	70.83	
08 13 13 13-0057 EA 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	389.69	52.35
For 18 Gauge, Grade II, Heavy Duty, Add	57.00	
For Composite Door Instead Of Full Panel Door, Add	12.82	
For Type 304 Stainless Steel Door, Add	233.23	
For Type 316 Stainless Steel Door, Add	375.72	
For Embossed Panel, Add	68.40	
For Galvanized Steel, Add	42.75	
For Baked Enamel Finish, Add	148.32	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-22.10	
For >100, Deduct	-31.84	
For 2" Thick Door, Add	23.28	
For Insulated Door (Polystyrene Core), Add	28.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	71.25	
For Seamless Edge (Welded), Add	35.62	
For Steel Stiffened, Add	71.25	
08 13 13 13-0058 EA 3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	411.23	52.35
For 18 Gauge, Grade II, Heavy Duty, Add	61.31	
For Composite Door Instead Of Full Panel Door, Add	13.79	
For Type 304 Stainless Steel Door, Add	250.46	
For Type 316 Stainless Steel Door, Add	403.72	
For Embossed Panel, Add	73.57	
For Galvanized Steel, Add	45.98	
For Baked Enamel Finish, Add	154.78	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.18	
For >100, Deduct	-33.46	
For 2" Thick Door, Add	24.84	
For Insulated Door (Polystyrene Core), Add	30.65	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	76.63	
For Seamless Edge (Welded), Add	38.32	
For Steel Stiffened, Add	76.63	
08 13 13 13-0059 EA 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	423.88	54.53
For 18 Gauge, Grade II, Heavy Duty, Add	62.96	
For Composite Door Instead Of Full Panel Door, Add	14.17	
For Type 304 Stainless Steel Door, Add	257.30	
For Type 316 Stainless Steel Door, Add	414.71	
For Embossed Panel, Add	75.55	
For Galvanized Steel, Add	47.22	
For Baked Enamel Finish, Add	159.89	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.92	
For >100, Deduct	-34.52	
For 2" Thick Door, Add	25.55	
For Insulated Door (Polystyrene Core), Add	31.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	78.70	
For Seamless Edge (Welded), Add	39.35	
For Steel Stiffened, Add	78.70	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0060	EA	4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	465.74	58.90
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	69.59	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.66	
			<i>For Type 304 Stainless Steel Door, Add</i>	284.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	458.22	
			<i>For Embossed Panel, Add</i>	83.51	
			<i>For Galvanized Steel, Add</i>	52.19	
			<i>For Baked Enamel Finish, Add</i>	175.06	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.23	
			<i>For >100, Deduct</i>	-37.88	
			<i>For 2" Thick Door, Add</i>	28.17	
			<i>For Insulated Door (Polystyrene Core), Add</i>	34.80	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	86.99	
			<i>For Seamless Edge (Welded), Add</i>	43.49	
			<i>For Steel Stiffened, Add</i>	86.99	
08 13 13	13-0061	PR	Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	745.71	95.32
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	111.01	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.98	
			<i>For Type 304 Stainless Steel Door, Add</i>	453.59	
			<i>For Type 316 Stainless Steel Door, Add</i>	731.12	
			<i>For Embossed Panel, Add</i>	133.22	
			<i>For Galvanized Steel, Add</i>	83.26	
			<i>For Baked Enamel Finish, Add</i>	280.91	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-42.05	
			<i>For >100, Deduct</i>	-60.69	
			<i>For 2" Thick Door, Add</i>	45.01	
			<i>For Insulated Door (Polystyrene Core), Add</i>	55.51	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	138.77	
			<i>For Seamless Edge (Welded), Add</i>	69.38	
			<i>For Steel Stiffened, Add</i>	138.77	
08 13 13	13-0062	PR	Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	753.99	95.32
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	112.67	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	460.21	
			<i>For Type 316 Stainless Steel Door, Add</i>	741.89	
			<i>For Embossed Panel, Add</i>	135.20	
			<i>For Galvanized Steel, Add</i>	84.50	
			<i>For Baked Enamel Finish, Add</i>	283.39	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-42.47	
			<i>For >100, Deduct</i>	-61.32	
			<i>For 2" Thick Door, Add</i>	45.61	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.34	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	140.84	
			<i>For Seamless Edge (Welded), Add</i>	70.42	
			<i>For Steel Stiffened, Add</i>	140.84	
08 13 13	13-0063	PR	Pair 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	736.80	85.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	113.33	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.50	
			<i>For Type 304 Stainless Steel Door, Add</i>	461.84	
			<i>For Type 316 Stainless Steel Door, Add</i>	745.17	
			<i>For Embossed Panel, Add</i>	136.00	
			<i>For Galvanized Steel, Add</i>	85.00	
			<i>For Baked Enamel Finish, Add</i>	272.08	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.09	
			<i>For >100, Deduct</i>	-59.51	
			<i>For 2" Thick Door, Add</i>	45.34	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.67	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	141.67	
			<i>For Seamless Edge (Welded), Add</i>	70.83	
			<i>For Steel Stiffened, Add</i>	141.67	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0064 PR Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	768.91	99.47
For 18 Gauge, Grade II, Heavy Duty, Add	114.00	
For Composite Door Instead Of Full Panel Door, Add	25.65	
For Type 304 Stainless Steel Door, Add	465.93	
For Type 316 Stainless Steel Door, Add	750.92	
For Embossed Panel, Add	136.80	
For Galvanized Steel, Add	85.50	
For Baked Enamel Finish, Add	290.35	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.42	
For >100, Deduct	-62.64	
For 2" Thick Door, Add	46.30	
For Insulated Door (Polystyrene Core), Add	57.00	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	142.50	
For Seamless Edge (Welded), Add	71.25	
For Steel Stiffened, Add	142.50	
08 13 13 13-0065 PR Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	836.85	103.61
For 18 Gauge, Grade II, Heavy Duty, Add	125.93	
For Composite Door Instead Of Full Panel Door, Add	28.33	
For Type 304 Stainless Steel Door, Add	514.07	
For Type 316 Stainless Steel Door, Add	828.88	
For Embossed Panel, Add	151.11	
For Galvanized Steel, Add	94.44	
For Baked Enamel Finish, Add	313.22	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.02	
For >100, Deduct	-67.94	
For 2" Thick Door, Add	50.83	
For Insulated Door (Polystyrene Core), Add	62.96	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	157.41	
For Seamless Edge (Welded), Add	78.70	
For Steel Stiffened, Add	157.41	
08 13 13 13-0066 PR Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	919.70	111.90
For 18 Gauge, Grade II, Heavy Duty, Add	139.18	
For Composite Door Instead Of Full Panel Door, Add	31.32	
For Type 304 Stainless Steel Door, Add	567.91	
For Type 316 Stainless Steel Door, Add	915.86	
For Embossed Panel, Add	167.02	
For Galvanized Steel, Add	104.39	
For Baked Enamel Finish, Add	343.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-51.58	
For >100, Deduct	-74.57	
For 2" Thick Door, Add	56.05	
For Insulated Door (Polystyrene Core), Add	69.59	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	173.98	
For Seamless Edge (Welded), Add	86.99	
For Steel Stiffened, Add	173.98	
08 13 13 13-0067 7' High <small>(08 13 13 13-0050)</small>		
08 13 13 13-0068 EA 2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	374.41	47.99
For 18 Gauge, Grade II, Heavy Duty, Add	55.69	
For Composite Door Instead Of Full Panel Door, Add	12.53	
For Type 304 Stainless Steel Door, Add	227.54	
For Type 316 Stainless Steel Door, Add	366.76	
For Embossed Panel, Add	66.82	
For Galvanized Steel, Add	41.76	
For Baked Enamel Finish, Add	141.12	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.12	
For >100, Deduct	-30.48	
For 2" Thick Door, Add	22.59	
For Insulated Door (Polystyrene Core), Add	27.84	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.61	
For Seamless Edge (Welded), Add	34.80	
For Steel Stiffened, Add	69.61	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0069	EA	2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	374.41	47.99
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	55.69	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.53	
			<i>For Type 304 Stainless Steel Door, Add</i>	227.54	
			<i>For Type 316 Stainless Steel Door, Add</i>	366.76	
			<i>For Embossed Panel, Add</i>	66.82	
			<i>For Galvanized Steel, Add</i>	41.76	
			<i>For Baked Enamel Finish, Add</i>	141.12	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.12	
			<i>For >100, Deduct</i>	-30.48	
			<i>For 2" Thick Door, Add</i>	22.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	27.84	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	69.61	
			<i>For Seamless Edge (Welded), Add</i>	34.80	
			<i>For Steel Stiffened, Add</i>	69.61	
08 13 13	13-0070	EA	2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	384.46	50.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	56.82	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.79	
			<i>For Type 304 Stainless Steel Door, Add</i>	232.31	
			<i>For Type 316 Stainless Steel Door, Add</i>	374.37	
			<i>For Embossed Panel, Add</i>	68.19	
			<i>For Galvanized Steel, Add</i>	42.62	
			<i>For Baked Enamel Finish, Add</i>	145.44	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.73	
			<i>For >100, Deduct</i>	-31.34	
			<i>For 2" Thick Door, Add</i>	23.11	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.41	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	71.03	
			<i>For Seamless Edge (Welded), Add</i>	35.52	
			<i>For Steel Stiffened, Add</i>	71.03	
08 13 13	13-0071	EA	2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	388.70	50.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	57.67	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	12.98	
			<i>For Type 304 Stainless Steel Door, Add</i>	235.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	379.89	
			<i>For Embossed Panel, Add</i>	69.21	
			<i>For Galvanized Steel, Add</i>	43.25	
			<i>For Baked Enamel Finish, Add</i>	146.71	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.94	
			<i>For >100, Deduct</i>	-31.66	
			<i>For 2" Thick Door, Add</i>	23.41	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.84	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.09	
			<i>For Seamless Edge (Welded), Add</i>	36.05	
			<i>For Steel Stiffened, Add</i>	72.09	
08 13 13	13-0072	EA	2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	392.59	51.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	58.01	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.05	
			<i>For Type 304 Stainless Steel Door, Add</i>	237.17	
			<i>For Type 316 Stainless Steel Door, Add</i>	382.20	
			<i>For Embossed Panel, Add</i>	69.61	
			<i>For Galvanized Steel, Add</i>	43.51	
			<i>For Baked Enamel Finish, Add</i>	148.54	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.19	
			<i>For >100, Deduct</i>	-32.01	
			<i>For 2" Thick Door, Add</i>	23.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.52	
			<i>For Seamless Edge (Welded), Add</i>	36.26	
			<i>For Steel Stiffened, Add</i>	72.52	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0073 EA 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	396.45	52.35
For 18 Gauge, Grade II, Heavy Duty, Add	58.35	
For Composite Door Instead Of Full Panel Door, Add	13.13	
For Type 304 Stainless Steel Door, Add	238.64	
For Type 316 Stainless Steel Door, Add	384.51	
For Embossed Panel, Add	70.02	
For Galvanized Steel, Add	43.76	
For Baked Enamel Finish, Add	150.35	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-22.44	
For >100, Deduct	-32.35	
For 2" Thick Door, Add	23.77	
For Insulated Door (Polystyrene Core), Add	29.18	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	72.94	
For Seamless Edge (Welded), Add	36.47	
For Steel Stiffened, Add	72.94	
08 13 13 13-0074 EA 3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	418.50	52.35
For 18 Gauge, Grade II, Heavy Duty, Add	62.76	
For Composite Door Instead Of Full Panel Door, Add	14.12	
For Type 304 Stainless Steel Door, Add	256.28	
For Type 316 Stainless Steel Door, Add	413.18	
For Embossed Panel, Add	75.31	
For Galvanized Steel, Add	47.07	
For Baked Enamel Finish, Add	156.96	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-23.54	
For >100, Deduct	-34.01	
For 2" Thick Door, Add	25.37	
For Insulated Door (Polystyrene Core), Add	31.38	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	78.45	
For Seamless Edge (Welded), Add	39.23	
For Steel Stiffened, Add	78.45	
08 13 13 13-0075 EA 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	431.35	54.53
For 18 Gauge, Grade II, Heavy Duty, Add	64.46	
For Composite Door Instead Of Full Panel Door, Add	14.50	
For Type 304 Stainless Steel Door, Add	263.28	
For Type 316 Stainless Steel Door, Add	424.42	
For Embossed Panel, Add	77.35	
For Galvanized Steel, Add	48.34	
For Baked Enamel Finish, Add	162.13	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.29	
For >100, Deduct	-35.08	
For 2" Thick Door, Add	26.09	
For Insulated Door (Polystyrene Core), Add	32.23	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	80.57	
For Seamless Edge (Welded), Add	40.29	
For Steel Stiffened, Add	80.57	
08 13 13 13-0076 EA 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	474.00	58.90
For 18 Gauge, Grade II, Heavy Duty, Add	71.24	
For Composite Door Instead Of Full Panel Door, Add	16.03	
For Type 304 Stainless Steel Door, Add	290.86	
For Type 316 Stainless Steel Door, Add	468.96	
For Embossed Panel, Add	85.49	
For Galvanized Steel, Add	53.43	
For Baked Enamel Finish, Add	177.54	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.64	
For >100, Deduct	-38.49	
For 2" Thick Door, Add	28.77	
For Insulated Door (Polystyrene Core), Add	35.62	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	89.05	
For Seamless Edge (Welded), Add	44.53	
For Steel Stiffened, Add	89.05	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	PR	Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	758.88	95.32
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	113.65	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.57	
			<i>For Type 304 Stainless Steel Door, Add</i>	464.12	
			<i>For Type 316 Stainless Steel Door, Add</i>	748.24	
			<i>For Embossed Panel, Add</i>	136.38	
			<i>For Galvanized Steel, Add</i>	85.24	
			<i>For Baked Enamel Finish, Add</i>	284.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-42.71	
			<i>For >100, Deduct</i>	-61.68	
			<i>For 2" Thick Door, Add</i>	45.96	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.82	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	142.06	
			<i>For Seamless Edge (Welded), Add</i>	71.03	
			<i>For Steel Stiffened, Add</i>	142.06	
08 13 13	13-0078	PR	Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	767.36	95.32
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	115.34	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.95	
			<i>For Type 304 Stainless Steel Door, Add</i>	470.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	759.27	
			<i>For Embossed Panel, Add</i>	138.41	
			<i>For Galvanized Steel, Add</i>	86.51	
			<i>For Baked Enamel Finish, Add</i>	287.40	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-43.13	
			<i>For >100, Deduct</i>	-62.32	
			<i>For 2" Thick Door, Add</i>	46.58	
			<i>For Insulated Door (Polystyrene Core), Add</i>	57.67	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	144.18	
			<i>For Seamless Edge (Welded), Add</i>	72.09	
			<i>For Steel Stiffened, Add</i>	144.18	
08 13 13	13-0079	PR	Pair 2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	750.25	85.07
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	116.02	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.10	
			<i>For Type 304 Stainless Steel Door, Add</i>	472.60	
			<i>For Type 316 Stainless Steel Door, Add</i>	762.65	
			<i>For Embossed Panel, Add</i>	139.23	
			<i>For Galvanized Steel, Add</i>	87.02	
			<i>For Baked Enamel Finish, Add</i>	276.12	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-41.77	
			<i>For >100, Deduct</i>	-60.52	
			<i>For 2" Thick Door, Add</i>	46.31	
			<i>For Insulated Door (Polystyrene Core), Add</i>	58.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	145.03	
			<i>For Seamless Edge (Welded), Add</i>	72.51	
			<i>For Steel Stiffened, Add</i>	145.03	
08 13 13	13-0080	PR	Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	782.43	99.47
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	116.70	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.26	
			<i>For Type 304 Stainless Steel Door, Add</i>	476.75	
			<i>For Type 316 Stainless Steel Door, Add</i>	768.50	
			<i>For Embossed Panel, Add</i>	140.04	
			<i>For Galvanized Steel, Add</i>	87.53	
			<i>For Baked Enamel Finish, Add</i>	294.41	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.09	
			<i>For >100, Deduct</i>	-63.66	
			<i>For 2" Thick Door, Add</i>	47.28	
			<i>For Insulated Door (Polystyrene Core), Add</i>	58.35	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	145.88	
			<i>For Seamless Edge (Welded), Add</i>	72.94	
			<i>For Steel Stiffened, Add</i>	145.88	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081 PR Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	851.79	103.61
For 18 Gauge, Grade II, Heavy Duty, Add	128.91	
For Composite Door Instead Of Full Panel Door, Add	29.01	
For Type 304 Stainless Steel Door, Add	526.02	
For Type 316 Stainless Steel Door, Add	848.30	
For Embossed Panel, Add	154.70	
For Galvanized Steel, Add	96.69	
For Baked Enamel Finish, Add	317.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.77	
For >100, Deduct	-69.06	
For 2" Thick Door, Add	51.91	
For Insulated Door (Polystyrene Core), Add	64.46	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	161.14	
For Seamless Edge (Welded), Add	80.57	
For Steel Stiffened, Add	161.14	
08 13 13 13-0082 PR Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	936.22	111.90
For 18 Gauge, Grade II, Heavy Duty, Add	142.48	
For Composite Door Instead Of Full Panel Door, Add	32.06	
For Type 304 Stainless Steel Door, Add	581.13	
For Type 316 Stainless Steel Door, Add	937.34	
For Embossed Panel, Add	170.98	
For Galvanized Steel, Add	106.86	
For Baked Enamel Finish, Add	348.01	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.41	
For >100, Deduct	-75.81	
For 2" Thick Door, Add	57.25	
For Insulated Door (Polystyrene Core), Add	71.24	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	178.11	
For Seamless Edge (Welded), Add	89.05	
For Steel Stiffened, Add	178.11	
08 13 13 13-0083 7'-2" High <small>(08 13 13 0050)</small>		
08 13 13 13-0084 EA 2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	380.86	47.99
For 18 Gauge, Grade II, Heavy Duty, Add	56.98	
For Composite Door Instead Of Full Panel Door, Add	12.82	
For Type 304 Stainless Steel Door, Add	232.70	
For Type 316 Stainless Steel Door, Add	375.14	
For Embossed Panel, Add	68.37	
For Galvanized Steel, Add	42.73	
For Baked Enamel Finish, Add	143.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.44	
For >100, Deduct	-30.96	
For 2" Thick Door, Add	23.05	
For Insulated Door (Polystyrene Core), Add	28.49	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	71.22	
For Seamless Edge (Welded), Add	35.61	
For Steel Stiffened, Add	71.22	
08 13 13 13-0085 EA 2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	380.86	47.99
For 18 Gauge, Grade II, Heavy Duty, Add	56.98	
For Composite Door Instead Of Full Panel Door, Add	12.82	
For Type 304 Stainless Steel Door, Add	232.70	
For Type 316 Stainless Steel Door, Add	375.14	
For Embossed Panel, Add	68.37	
For Galvanized Steel, Add	42.73	
For Baked Enamel Finish, Add	143.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-21.44	
For >100, Deduct	-30.96	
For 2" Thick Door, Add	23.05	
For Insulated Door (Polystyrene Core), Add	28.49	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	71.22	
For Seamless Edge (Welded), Add	35.61	
For Steel Stiffened, Add	71.22	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0086	EA		2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	391.05	50.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	58.14	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.08	
			<i>For Type 304 Stainless Steel Door, Add</i>	237.59	
			<i>For Type 316 Stainless Steel Door, Add</i>	382.94	
			<i>For Embossed Panel, Add</i>	69.77	
			<i>For Galvanized Steel, Add</i>	43.61	
			<i>For Baked Enamel Finish, Add</i>	147.42	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.06	
			<i>For >100, Deduct</i>	-31.84	
			<i>For 2" Thick Door, Add</i>	23.58	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.07	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.68	
			<i>For Seamless Edge (Welded), Add</i>	36.34	
			<i>For Steel Stiffened, Add</i>	72.68	
08 13 13 13-0087	EA		2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	395.39	50.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	59.01	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.28	
			<i>For Type 304 Stainless Steel Door, Add</i>	241.06	
			<i>For Type 316 Stainless Steel Door, Add</i>	388.58	
			<i>For Embossed Panel, Add</i>	70.81	
			<i>For Galvanized Steel, Add</i>	44.26	
			<i>For Baked Enamel Finish, Add</i>	148.72	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.28	
			<i>For >100, Deduct</i>	-32.16	
			<i>For 2" Thick Door, Add</i>	23.90	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.51	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.76	
			<i>For Seamless Edge (Welded), Add</i>	36.88	
			<i>For Steel Stiffened, Add</i>	73.76	
08 13 13 13-0088	EA		3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	403.22	52.35
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	59.70	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	13.43	
			<i>For Type 304 Stainless Steel Door, Add</i>	244.05	
			<i>For Type 316 Stainless Steel Door, Add</i>	393.31	
			<i>For Embossed Panel, Add</i>	71.64	
			<i>For Galvanized Steel, Add</i>	44.78	
			<i>For Baked Enamel Finish, Add</i>	152.38	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.78	
			<i>For >100, Deduct</i>	-32.86	
			<i>For 2" Thick Door, Add</i>	24.26	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.85	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	74.63	
			<i>For Seamless Edge (Welded), Add</i>	37.32	
			<i>For Steel Stiffened, Add</i>	74.63	
08 13 13 13-0089	EA		3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	425.78	52.35
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	64.22	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	14.45	
			<i>For Type 304 Stainless Steel Door, Add</i>	262.10	
			<i>For Type 316 Stainless Steel Door, Add</i>	422.64	
			<i>For Embossed Panel, Add</i>	77.06	
			<i>For Galvanized Steel, Add</i>	48.16	
			<i>For Baked Enamel Finish, Add</i>	159.14	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-23.91	
			<i>For >100, Deduct</i>	-34.55	
			<i>For 2" Thick Door, Add</i>	25.90	
			<i>For Insulated Door (Polystyrene Core), Add</i>	32.11	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	80.27	
			<i>For Seamless Edge (Welded), Add</i>	40.14	
			<i>For Steel Stiffened, Add</i>	80.27	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090 EA 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	438.83	54.53
For 18 Gauge, Grade II, Heavy Duty, Add	65.95	
For Composite Door Instead Of Full Panel Door, Add	14.84	
For Type 304 Stainless Steel Door, Add	269.26	
For Type 316 Stainless Steel Door, Add	434.14	
For Embossed Panel, Add	79.14	
For Galvanized Steel, Add	49.46	
For Baked Enamel Finish, Add	164.37	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.67	
For >100, Deduct	-35.64	
For 2" Thick Door, Add	26.63	
For Insulated Door (Polystyrene Core), Add	32.98	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	82.44	
For Seamless Edge (Welded), Add	41.22	
For Steel Stiffened, Add	82.44	
08 13 13 13-0091 EA 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	482.26	58.90
For 18 Gauge, Grade II, Heavy Duty, Add	72.89	
For Composite Door Instead Of Full Panel Door, Add	16.40	
For Type 304 Stainless Steel Door, Add	297.47	
For Type 316 Stainless Steel Door, Add	479.70	
For Embossed Panel, Add	87.47	
For Galvanized Steel, Add	54.67	
For Baked Enamel Finish, Add	180.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.06	
For >100, Deduct	-39.11	
For 2" Thick Door, Add	29.37	
For Insulated Door (Polystyrene Core), Add	36.45	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	91.12	
For Seamless Edge (Welded), Add	45.56	
For Steel Stiffened, Add	91.12	
08 13 13 13-0092 PR Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	772.05	95.32
For 18 Gauge, Grade II, Heavy Duty, Add	116.28	
For Composite Door Instead Of Full Panel Door, Add	26.16	
For Type 304 Stainless Steel Door, Add	474.66	
For Type 316 Stainless Steel Door, Add	765.37	
For Embossed Panel, Add	139.54	
For Galvanized Steel, Add	87.21	
For Baked Enamel Finish, Add	288.81	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.37	
For >100, Deduct	-62.67	
For 2" Thick Door, Add	46.92	
For Insulated Door (Polystyrene Core), Add	58.14	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.35	
For Seamless Edge (Welded), Add	72.68	
For Steel Stiffened, Add	145.35	
08 13 13 13-0093 PR Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	780.73	95.32
For 18 Gauge, Grade II, Heavy Duty, Add	118.02	
For Composite Door Instead Of Full Panel Door, Add	26.55	
For Type 304 Stainless Steel Door, Add	481.60	
For Type 316 Stainless Steel Door, Add	776.65	
For Embossed Panel, Add	141.62	
For Galvanized Steel, Add	88.51	
For Baked Enamel Finish, Add	291.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-43.80	
For >100, Deduct	-63.32	
For 2" Thick Door, Add	47.55	
For Insulated Door (Polystyrene Core), Add	59.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	147.52	
For Seamless Edge (Welded), Add	73.76	
For Steel Stiffened, Add	147.52	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0094	PR	Pair 2'-10" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	763.70	85.07
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	118.71	
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.71	
		<i>For Type 304 Stainless Steel Door, Add</i>	483.36	
		<i>For Type 316 Stainless Steel Door, Add</i>	780.14	
		<i>For Embossed Panel, Add</i>	142.45	
		<i>For Galvanized Steel, Add</i>	89.03	
		<i>For Baked Enamel Finish, Add</i>	280.15	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-42.44	
		<i>For >100, Deduct</i>	-61.53	
		<i>For 2" Thick Door, Add</i>	47.29	
		<i>For Insulated Door (Polystyrene Core), Add</i>	59.36	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	148.39	
		<i>For Seamless Edge (Welded), Add</i>	74.20	
		<i>For Steel Stiffened, Add</i>	148.39	
08 13 13 13-0095	PR	Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	795.96	99.47
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	119.41	
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.87	
		<i>For Type 304 Stainless Steel Door, Add</i>	487.57	
		<i>For Type 316 Stainless Steel Door, Add</i>	786.09	
		<i>For Embossed Panel, Add</i>	143.29	
		<i>For Galvanized Steel, Add</i>	89.55	
		<i>For Baked Enamel Finish, Add</i>	298.47	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-44.77	
		<i>For >100, Deduct</i>	-64.67	
		<i>For 2" Thick Door, Add</i>	48.26	
		<i>For Insulated Door (Polystyrene Core), Add</i>	59.70	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	149.26	
		<i>For Seamless Edge (Welded), Add</i>	74.63	
		<i>For Steel Stiffened, Add</i>	149.26	
08 13 13 13-0096	PR	Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	866.73	103.61
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	131.90	
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	29.68	
		<i>For Type 304 Stainless Steel Door, Add</i>	537.97	
		<i>For Type 316 Stainless Steel Door, Add</i>	867.72	
		<i>For Embossed Panel, Add</i>	158.28	
		<i>For Galvanized Steel, Add</i>	98.93	
		<i>For Baked Enamel Finish, Add</i>	322.19	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-48.52	
		<i>For >100, Deduct</i>	-70.19	
		<i>For 2" Thick Door, Add</i>	52.99	
		<i>For Insulated Door (Polystyrene Core), Add</i>	65.95	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	164.88	
		<i>For Seamless Edge (Welded), Add</i>	82.44	
		<i>For Steel Stiffened, Add</i>	164.88	
08 13 13 13-0097	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	952.73	111.90
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	145.79	
		<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.80	
		<i>For Type 304 Stainless Steel Door, Add</i>	594.33	
		<i>For Type 316 Stainless Steel Door, Add</i>	958.80	
		<i>For Embossed Panel, Add</i>	174.94	
		<i>For Galvanized Steel, Add</i>	109.34	
		<i>For Baked Enamel Finish, Add</i>	352.96	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-53.23	
		<i>For >100, Deduct</i>	-77.05	
		<i>For 2" Thick Door, Add</i>	58.44	
		<i>For Insulated Door (Polystyrene Core), Add</i>	72.89	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	182.23	
		<i>For Seamless Edge (Welded), Add</i>	91.12	
		<i>For Steel Stiffened, Add</i>	182.23	

08 13 13 13-0098 8' High (08 13 13 13-0050)



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099 EA 2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	434.10	47.99
For 18 Gauge, Grade II, Heavy Duty, Add	67.62	
For Up To 1' Extra Height, Add	93.56	
For 1' To 1'-6" Extra Height, Add	178.49	
For Composite Door Instead Of Full Panel Door, Add	15.22	
For Type 304 Stainless Steel Door, Add	275.30	
For Type 316 Stainless Steel Door, Add	444.36	
For Embossed Panel, Add	81.15	
For Galvanized Steel, Add	50.72	
For Baked Enamel Finish, Add	159.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.10	
For >100, Deduct	-34.96	
For 2" Thick Door, Add	26.91	
For Insulated Door (Polystyrene Core), Add	33.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	84.53	
For Seamless Edge (Welded), Add	42.27	
For Steel Stiffened, Add	84.53	
08 13 13 13-0100 EA 2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	434.10	47.99
For 18 Gauge, Grade II, Heavy Duty, Add	67.62	
For Up To 1' Extra Height, Add	93.56	
For 1' To 1'-6" Extra Height, Add	178.49	
For Composite Door Instead Of Full Panel Door, Add	15.22	
For Type 304 Stainless Steel Door, Add	275.30	
For Type 316 Stainless Steel Door, Add	444.36	
For Embossed Panel, Add	81.15	
For Galvanized Steel, Add	50.72	
For Baked Enamel Finish, Add	159.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.10	
For >100, Deduct	-34.96	
For 2" Thick Door, Add	26.91	
For Insulated Door (Polystyrene Core), Add	33.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	84.53	
For Seamless Edge (Welded), Add	42.27	
For Steel Stiffened, Add	84.53	
08 13 13 13-0101 EA 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	445.38	50.17
For 18 Gauge, Grade II, Heavy Duty, Add	69.01	
For Up To 1' Extra Height, Add	95.47	
For 1' To 1'-6" Extra Height, Add	182.15	
For Composite Door Instead Of Full Panel Door, Add	15.53	
For Type 304 Stainless Steel Door, Add	281.05	
For Type 316 Stainless Steel Door, Add	453.57	
For Embossed Panel, Add	82.81	
For Galvanized Steel, Add	51.76	
For Baked Enamel Finish, Add	163.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.78	
For >100, Deduct	-35.91	
For 2" Thick Door, Add	27.52	
For Insulated Door (Polystyrene Core), Add	34.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.26	
For Seamless Edge (Welded), Add	43.13	
For Steel Stiffened, Add	86.26	
08 13 13 13-0102 EA 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	450.53	50.17
For 18 Gauge, Grade II, Heavy Duty, Add	70.04	
For Up To 1' Extra Height, Add	96.90	
For 1' To 1'-6" Extra Height, Add	184.87	
For Composite Door Instead Of Full Panel Door, Add	15.76	
For Type 304 Stainless Steel Door, Add	285.17	
For Type 316 Stainless Steel Door, Add	460.26	
For Embossed Panel, Add	84.05	
For Galvanized Steel, Add	52.53	
For Baked Enamel Finish, Add	165.26	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.04	
For >100, Deduct	-36.30	
For 2" Thick Door, Add	27.90	
For Insulated Door (Polystyrene Core), Add	35.02	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	87.55	
For Seamless Edge (Welded), Add	43.77	
For Steel Stiffened, Add	87.55	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0103	EA	2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	454.78	51.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	70.45	
			<i>For Up To 1' Extra Height, Add</i>	97.47	
			<i>For 1' To 1'-6" Extra Height, Add</i>	185.95	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.85	
			<i>For Type 304 Stainless Steel Door, Add</i>	286.93	
			<i>For Type 316 Stainless Steel Door, Add</i>	463.05	
			<i>For Embossed Panel, Add</i>	84.54	
			<i>For Galvanized Steel, Add</i>	52.84	
			<i>For Baked Enamel Finish, Add</i>	167.19	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.30	
			<i>For >100, Deduct</i>	-36.67	
			<i>For 2" Thick Door, Add</i>	28.10	
			<i>For Insulated Door (Polystyrene Core), Add</i>	35.23	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.06	
			<i>For Seamless Edge (Welded), Add</i>	44.03	
			<i>For Steel Stiffened, Add</i>	88.06	
08 13 13	13-0104	EA	3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	459.01	52.35
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	70.86	
			<i>For Up To 1' Extra Height, Add</i>	98.04	
			<i>For 1' To 1'-6" Extra Height, Add</i>	187.04	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.94	
			<i>For Type 304 Stainless Steel Door, Add</i>	288.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	465.84	
			<i>For Embossed Panel, Add</i>	85.03	
			<i>For Galvanized Steel, Add</i>	53.15	
			<i>For Baked Enamel Finish, Add</i>	169.11	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.57	
			<i>For >100, Deduct</i>	-37.04	
			<i>For 2" Thick Door, Add</i>	28.30	
			<i>For Insulated Door (Polystyrene Core), Add</i>	35.43	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.58	
			<i>For Seamless Edge (Welded), Add</i>	44.29	
			<i>For Steel Stiffened, Add</i>	88.58	
08 13 13	13-0105	EA	3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	485.79	52.35
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	76.22	
			<i>For Up To 1' Extra Height, Add</i>	105.45	
			<i>For 1' To 1'-6" Extra Height, Add</i>	201.18	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.15	
			<i>For Type 304 Stainless Steel Door, Add</i>	310.11	
			<i>For Type 316 Stainless Steel Door, Add</i>	500.65	
			<i>For Embossed Panel, Add</i>	91.46	
			<i>For Galvanized Steel, Add</i>	57.16	
			<i>For Baked Enamel Finish, Add</i>	177.15	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.91	
			<i>For >100, Deduct</i>	-39.05	
			<i>For 2" Thick Door, Add</i>	30.25	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.11	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	95.27	
			<i>For Seamless Edge (Welded), Add</i>	47.64	
			<i>For Steel Stiffened, Add</i>	95.27	
08 13 13	13-0106	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	500.46	54.53
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	78.28	
			<i>For Up To 1' Extra Height, Add</i>	108.30	
			<i>For 1' To 1'-6" Extra Height, Add</i>	206.61	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.61	
			<i>For Type 304 Stainless Steel Door, Add</i>	318.57	
			<i>For Type 316 Stainless Steel Door, Add</i>	514.26	
			<i>For Embossed Panel, Add</i>	93.93	
			<i>For Galvanized Steel, Add</i>	58.71	
			<i>For Baked Enamel Finish, Add</i>	182.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.75	
			<i>For >100, Deduct</i>	-40.26	
			<i>For 2" Thick Door, Add</i>	31.10	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.85	
			<i>For Seamless Edge (Welded), Add</i>	48.92	
			<i>For Steel Stiffened, Add</i>	97.85	



Openings	08
Doors And Frames	08 10
Metal Doors	08 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107 EA 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	550.37	58.90
For 18 Gauge, Grade II, Heavy Duty, Add	86.52	
For Up To 1' Extra Height, Add	119.69	
For 1' To 1'-6" Extra Height, Add	228.36	
For Composite Door Instead Of Full Panel Door, Add	19.47	
For Type 304 Stainless Steel Door, Add	351.95	
For Type 316 Stainless Steel Door, Add	568.24	
For Embossed Panel, Add	103.82	
For Galvanized Steel, Add	64.89	
For Baked Enamel Finish, Add	200.45	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.46	
For >100, Deduct	-44.22	
For 2" Thick Door, Add	34.31	
For Insulated Door (Polystyrene Core), Add	43.26	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	108.15	
For Seamless Edge (Welded), Add	54.07	
For Steel Stiffened, Add	108.15	
08 13 13 13-0108 PR Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	880.71	95.32
For 18 Gauge, Grade II, Heavy Duty, Add	138.01	
For Up To 1' Extra Height, Add	190.94	
For 1' To 1'-6" Extra Height, Add	364.29	
For Composite Door Instead Of Full Panel Door, Add	31.05	
For Type 304 Stainless Steel Door, Add	561.59	
For Type 316 Stainless Steel Door, Add	906.62	
For Embossed Panel, Add	165.62	
For Galvanized Steel, Add	103.51	
For Baked Enamel Finish, Add	321.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.80	
For >100, Deduct	-70.82	
For 2" Thick Door, Add	54.80	
For Insulated Door (Polystyrene Core), Add	69.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.52	
For Seamless Edge (Welded), Add	86.26	
For Steel Stiffened, Add	172.52	
08 13 13 13-0109 PR Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	891.01	95.32
For 18 Gauge, Grade II, Heavy Duty, Add	140.07	
For Up To 1' Extra Height, Add	193.79	
For 1' To 1'-6" Extra Height, Add	369.73	
For Composite Door Instead Of Full Panel Door, Add	31.52	
For Type 304 Stainless Steel Door, Add	569.83	
For Type 316 Stainless Steel Door, Add	920.01	
For Embossed Panel, Add	168.09	
For Galvanized Steel, Add	105.06	
For Baked Enamel Finish, Add	324.50	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-49.32	
For >100, Deduct	-71.59	
For 2" Thick Door, Add	55.54	
For Insulated Door (Polystyrene Core), Add	70.04	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.09	
For Seamless Edge (Welded), Add	87.55	
For Steel Stiffened, Add	175.09	
08 13 13 13-0110 PR Pair 2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	874.63	85.07
For 18 Gauge, Grade II, Heavy Duty, Add	140.90	
For Up To 1' Extra Height, Add	194.93	
For 1' To 1'-6" Extra Height, Add	371.90	
For Composite Door Instead Of Full Panel Door, Add	31.70	
For Type 304 Stainless Steel Door, Add	572.10	
For Type 316 Stainless Steel Door, Add	924.34	
For Embossed Panel, Add	169.08	
For Galvanized Steel, Add	105.67	
For Baked Enamel Finish, Add	313.43	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-47.99	
For >100, Deduct	-69.85	
For 2" Thick Door, Add	55.33	
For Insulated Door (Polystyrene Core), Add	70.45	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.12	
For Seamless Edge (Welded), Add	88.06	
For Steel Stiffened, Add	176.12	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0111	PR		Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	907.54	99.47
			For 18 Gauge, Grade II, Heavy Duty, Add	141.72	
			For Up To 1' Extra Height, Add	196.07	
			For 1' To 1'-6" Extra Height, Add	374.08	
			For Composite Door Instead Of Full Panel Door, Add	31.89	
			For Type 304 Stainless Steel Door, Add	576.83	
			For Type 316 Stainless Steel Door, Add	931.14	
			For Embossed Panel, Add	170.07	
			For Galvanized Steel, Add	106.29	
			For Baked Enamel Finish, Add	331.94	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-50.35	
			For >100, Deduct	-73.04	
			For 2" Thick Door, Add	56.35	
			For Insulated Door (Polystyrene Core), Add	70.86	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	177.15	
			For Seamless Edge (Welded), Add	88.58	
			For Steel Stiffened, Add	177.15	
08 13 13-0112	PR		Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	989.99	103.61
			For 18 Gauge, Grade II, Heavy Duty, Add	156.55	
			For Up To 1' Extra Height, Add	216.59	
			For 1' To 1'-6" Extra Height, Add	413.22	
			For Composite Door Instead Of Full Panel Door, Add	35.22	
			For Type 304 Stainless Steel Door, Add	636.58	
			For Type 316 Stainless Steel Door, Add	1,027.96	
			For Embossed Panel, Add	187.86	
			For Galvanized Steel, Add	117.42	
			For Baked Enamel Finish, Add	359.16	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.68	
			For >100, Deduct	-79.43	
			For 2" Thick Door, Add	61.93	
			For Insulated Door (Polystyrene Core), Add	78.28	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	195.69	
			For Seamless Edge (Welded), Add	97.85	
			For Steel Stiffened, Add	195.69	
08 13 13-0113	PR		Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,088.97	111.90
			For Composite Door Instead Of Full Panel Door, Add	38.93	
			For Type 304 Stainless Steel Door, Add	703.33	
			For Type 316 Stainless Steel Door, Add	1,135.91	
			For Embossed Panel, Add	207.64	
			For Galvanized Steel, Add	129.78	
			For Baked Enamel Finish, Add	393.83	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-60.04	
			For >100, Deduct	-87.27	
			For 2" Thick Door, Add	68.32	
			For Insulated Door (Polystyrene Core), Add	86.52	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	216.29	
			For Seamless Edge (Welded), Add	108.15	
			For Steel Stiffened, Add	216.29	

08 13 13-0114 16 Gauge 1-3/4" Unrated Door (08 13 13 13)

08 13 13-0115 6'-8" High (08 13 13 13-0114)



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0116 EA 2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	472.66	47.99
For 16 Gauge, Grade III, Extra Heavy Duty, Add	113.00	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	150.67	
For Composite Door Instead Of Full Panel Door, Add	16.95	
For Type 304 Stainless Steel Door, Add	306.14	
For Type 316 Stainless Steel Door, Add	494.48	
For Embossed Panel, Add	90.40	
For Galvanized Steel, Add	56.50	
For Baked Enamel Finish, Add	170.59	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.03	
For >100, Deduct	-37.85	
For 2" Thick Door, Add	29.71	
For Insulated Door (Polystyrene Core), Add	37.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.17	
For Seamless Edge (Welded), Add	47.09	
For Steel Stiffened, Add	94.17	
08 13 13 13-0117 EA 2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	472.66	47.99
For 16 Gauge, Grade III, Extra Heavy Duty, Add	113.00	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	150.67	
For Composite Door Instead Of Full Panel Door, Add	16.95	
For Type 304 Stainless Steel Door, Add	306.14	
For Type 316 Stainless Steel Door, Add	494.48	
For Embossed Panel, Add	90.40	
For Galvanized Steel, Add	56.50	
For Baked Enamel Finish, Add	170.59	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.03	
For >100, Deduct	-37.85	
For 2" Thick Door, Add	29.71	
For Insulated Door (Polystyrene Core), Add	37.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.17	
For Seamless Edge (Welded), Add	47.09	
For Steel Stiffened, Add	94.17	
08 13 13 13-0118 EA 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	484.72	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	115.31	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	153.75	
For Composite Door Instead Of Full Panel Door, Add	17.30	
For Type 304 Stainless Steel Door, Add	312.52	
For Type 316 Stainless Steel Door, Add	504.71	
For Embossed Panel, Add	92.25	
For Galvanized Steel, Add	57.66	
For Baked Enamel Finish, Add	175.52	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.74	
For >100, Deduct	-38.86	
For 2" Thick Door, Add	30.38	
For Insulated Door (Polystyrene Core), Add	38.44	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	96.10	
For Seamless Edge (Welded), Add	48.05	
For Steel Stiffened, Add	96.10	
08 13 13 13-0119 EA 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	490.46	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	117.04	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	156.05	
For Composite Door Instead Of Full Panel Door, Add	17.56	
For Type 304 Stainless Steel Door, Add	317.11	
For Type 316 Stainless Steel Door, Add	512.17	
For Embossed Panel, Add	93.63	
For Galvanized Steel, Add	58.52	
For Baked Enamel Finish, Add	177.24	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.03	
For >100, Deduct	-39.29	
For 2" Thick Door, Add	30.79	
For Insulated Door (Polystyrene Core), Add	39.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.53	
For Seamless Edge (Welded), Add	48.77	
For Steel Stiffened, Add	97.53	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0120	EA	2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	494.94	51.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	117.72	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	156.96	
			For Composite Door Instead Of Full Panel Door, Add	17.66	
			For Type 304 Stainless Steel Door, Add	319.05	
			For Type 316 Stainless Steel Door, Add	515.26	
			For Embossed Panel, Add	94.18	
			For Galvanized Steel, Add	58.86	
			For Baked Enamel Finish, Add	179.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-27.31	
			For >100, Deduct	-39.68	
			For 2" Thick Door, Add	31.01	
			For Insulated Door (Polystyrene Core), Add	39.24	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	98.10	
			For Seamless Edge (Welded), Add	49.05	
			For Steel Stiffened, Add	98.10	
08 13 13	13-0121	EA	3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	499.41	52.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	118.41	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	157.88	
			For Composite Door Instead Of Full Panel Door, Add	17.76	
			For Type 304 Stainless Steel Door, Add	321.00	
			For Type 316 Stainless Steel Door, Add	518.36	
			For Embossed Panel, Add	94.73	
			For Galvanized Steel, Add	59.21	
			For Baked Enamel Finish, Add	181.23	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-27.59	
			For >100, Deduct	-40.07	
			For 2" Thick Door, Add	31.23	
			For Insulated Door (Polystyrene Core), Add	39.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	98.68	
			For Seamless Edge (Welded), Add	49.34	
			For Steel Stiffened, Add	98.68	
08 13 13	13-0122	EA	3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	529.24	52.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	127.36	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	169.82	
			For Composite Door Instead Of Full Panel Door, Add	19.10	
			For Type 304 Stainless Steel Door, Add	344.87	
			For Type 316 Stainless Steel Door, Add	557.14	
			For Embossed Panel, Add	101.89	
			For Galvanized Steel, Add	63.68	
			For Baked Enamel Finish, Add	190.18	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.08	
			For >100, Deduct	-42.31	
			For 2" Thick Door, Add	33.40	
			For Insulated Door (Polystyrene Core), Add	42.45	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	106.14	
			For Seamless Edge (Welded), Add	53.07	
			For Steel Stiffened, Add	106.14	
08 13 13	13-0123	EA	3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	545.09	54.53
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	130.81	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	174.41	
			For Composite Door Instead Of Full Panel Door, Add	19.62	
			For Type 304 Stainless Steel Door, Add	354.27	
			For Type 316 Stainless Steel Door, Add	572.28	
			For Embossed Panel, Add	104.64	
			For Galvanized Steel, Add	65.40	
			For Baked Enamel Finish, Add	196.25	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.98	
			For >100, Deduct	-43.61	
			For 2" Thick Door, Add	34.34	
			For Insulated Door (Polystyrene Core), Add	43.60	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	109.01	
			For Seamless Edge (Welded), Add	54.50	
			For Steel Stiffened, Add	109.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0124	EA	4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	599.70	58.90
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	144.57	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	192.76	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	21.69	
			<i>For Type 304 Stainless Steel Door, Add</i>	391.42	
			<i>For Type 316 Stainless Steel Door, Add</i>	632.37	
			<i>For Embossed Panel, Add</i>	115.66	
			<i>For Galvanized Steel, Add</i>	72.29	
			<i>For Baked Enamel Finish, Add</i>	215.25	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.93	
			<i>For >100, Deduct</i>	-47.92	
			<i>For 2" Thick Door, Add</i>	37.88	
			<i>For Insulated Door (Polystyrene Core), Add</i>	48.19	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	120.48	
			<i>For Seamless Edge (Welded), Add</i>	60.24	
			<i>For Steel Stiffened, Add</i>	120.48	
08 13 13	13-0125	PR	Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	959.41	95.32
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	230.63	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	307.51	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	34.59	
			<i>For Type 304 Stainless Steel Door, Add</i>	624.55	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,008.93	
			<i>For Embossed Panel, Add</i>	184.50	
			<i>For Galvanized Steel, Add</i>	115.32	
			<i>For Baked Enamel Finish, Add</i>	345.02	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.74	
			<i>For >100, Deduct</i>	-76.72	
			<i>For 2" Thick Door, Add</i>	60.50	
			<i>For Insulated Door (Polystyrene Core), Add</i>	76.88	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	192.19	
			<i>For Seamless Edge (Welded), Add</i>	96.10	
			<i>For Steel Stiffened, Add</i>	192.19	
08 13 13	13-0126	PR	Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	970.88	95.32
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	234.07	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	312.10	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.11	
			<i>For Type 304 Stainless Steel Door, Add</i>	633.72	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,023.84	
			<i>For Embossed Panel, Add</i>	187.26	
			<i>For Galvanized Steel, Add</i>	117.04	
			<i>For Baked Enamel Finish, Add</i>	348.46	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-53.31	
			<i>For >100, Deduct</i>	-77.58	
			<i>For 2" Thick Door, Add</i>	61.33	
			<i>For Insulated Door (Polystyrene Core), Add</i>	78.02	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	195.06	
			<i>For Seamless Edge (Welded), Add</i>	97.53	
			<i>For Steel Stiffened, Add</i>	195.06	
08 13 13	13-0127	PR	Pair 2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	954.97	85.07
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	235.45	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	313.93	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.32	
			<i>For Type 304 Stainless Steel Door, Add</i>	636.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,028.79	
			<i>For Embossed Panel, Add</i>	188.36	
			<i>For Galvanized Steel, Add</i>	117.72	
			<i>For Baked Enamel Finish, Add</i>	337.53	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.00	
			<i>For >100, Deduct</i>	-75.88	
			<i>For 2" Thick Door, Add</i>	61.15	
			<i>For Insulated Door (Polystyrene Core), Add</i>	78.48	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	196.21	
			<i>For Seamless Edge (Welded), Add</i>	98.10	
			<i>For Steel Stiffened, Add</i>	196.21	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0128 PR Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	988.35	99.47
For 16 Gauge, Grade III, Extra Heavy Duty, Add	236.83	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	315.77	
For Composite Door Instead Of Full Panel Door, Add	35.52	
For Type 304 Stainless Steel Door, Add	641.48	
For Type 316 Stainless Steel Door, Add	1,036.19	
For Embossed Panel, Add	189.46	
For Galvanized Steel, Add	118.41	
For Baked Enamel Finish, Add	356.18	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-54.39	
For >100, Deduct	-79.10	
For 2" Thick Door, Add	62.21	
For Insulated Door (Polystyrene Core), Add	78.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	197.36	
For Seamless Edge (Welded), Add	98.68	
For Steel Stiffened, Add	197.36	
08 13 13 13-0129 PR Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,079.25	103.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	261.61	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	348.81	
For Composite Door Instead Of Full Panel Door, Add	39.24	
For Type 304 Stainless Steel Door, Add	707.99	
For Type 316 Stainless Steel Door, Add	1,144.00	
For Embossed Panel, Add	209.29	
For Galvanized Steel, Add	130.80	
For Baked Enamel Finish, Add	385.94	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-59.14	
For >100, Deduct	-86.12	
For 2" Thick Door, Add	68.40	
For Insulated Door (Polystyrene Core), Add	87.20	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	218.01	
For Seamless Edge (Welded), Add	109.00	
For Steel Stiffened, Add	218.01	
08 13 13 13-0130 PR Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,187.63	111.90
For 16 Gauge, Grade III, Extra Heavy Duty, Add	289.15	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	385.53	
For Composite Door Instead Of Full Panel Door, Add	43.37	
For Type 304 Stainless Steel Door, Add	782.25	
For Type 316 Stainless Steel Door, Add	1,264.17	
For Embossed Panel, Add	231.32	
For Galvanized Steel, Add	144.57	
For Baked Enamel Finish, Add	423.43	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-64.98	
For >100, Deduct	-94.67	
For 2" Thick Door, Add	75.47	
For Insulated Door (Polystyrene Core), Add	96.38	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	240.96	
For Seamless Edge (Welded), Add	120.48	
For Steel Stiffened, Add	240.96	
08 13 13 13-0131 7' High (08 13 13 13-0114)		
08 13 13 13-0132 EA 2' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	481.60	47.99
For 16 Gauge, Grade III, Extra Heavy Duty, Add	115.69	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
For Composite Door Instead Of Full Panel Door, Add	17.35	
For Type 304 Stainless Steel Door, Add	313.30	
For Type 316 Stainless Steel Door, Add	506.11	
For Embossed Panel, Add	92.55	
For Galvanized Steel, Add	57.84	
For Baked Enamel Finish, Add	173.27	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.48	
For >100, Deduct	-38.52	
For 2" Thick Door, Add	30.36	
For Insulated Door (Polystyrene Core), Add	38.56	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	96.41	
For Seamless Edge (Welded), Add	48.20	
For Steel Stiffened, Add	96.41	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0133 EA 2'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	481.60	47.99
For 16 Gauge, Grade III, Extra Heavy Duty, Add	115.69	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
For Composite Door Instead Of Full Panel Door, Add	17.35	
For Type 304 Stainless Steel Door, Add	313.30	
For Type 316 Stainless Steel Door, Add	506.11	
For Embossed Panel, Add	92.55	
For Galvanized Steel, Add	57.84	
For Baked Enamel Finish, Add	173.27	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.48	
For >100, Deduct	-38.52	
For 2" Thick Door, Add	30.36	
For Insulated Door (Polystyrene Core), Add	38.56	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	96.41	
For Seamless Edge (Welded), Add	48.20	
For Steel Stiffened, Add	96.41	
08 13 13 13-0134 EA 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	493.85	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	118.05	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	157.40	
For Composite Door Instead Of Full Panel Door, Add	17.71	
For Type 304 Stainless Steel Door, Add	319.83	
For Type 316 Stainless Steel Door, Add	516.58	
For Embossed Panel, Add	94.44	
For Galvanized Steel, Add	59.03	
For Baked Enamel Finish, Add	178.26	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.20	
For >100, Deduct	-39.55	
For 2" Thick Door, Add	31.04	
For Insulated Door (Polystyrene Core), Add	39.35	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	98.38	
For Seamless Edge (Welded), Add	49.19	
For Steel Stiffened, Add	98.38	
08 13 13 13-0135 EA 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	499.72	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	119.81	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	159.75	
For Composite Door Instead Of Full Panel Door, Add	17.97	
For Type 304 Stainless Steel Door, Add	324.52	
For Type 316 Stainless Steel Door, Add	524.21	
For Embossed Panel, Add	95.85	
For Galvanized Steel, Add	59.91	
For Baked Enamel Finish, Add	180.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.49	
For >100, Deduct	-39.99	
For 2" Thick Door, Add	31.46	
For Insulated Door (Polystyrene Core), Add	39.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	99.85	
For Seamless Edge (Welded), Add	49.92	
For Steel Stiffened, Add	99.85	
08 13 13 13-0136 EA 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	504.26	51.26
For 16 Gauge, Grade III, Extra Heavy Duty, Add	120.52	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	160.69	
For Composite Door Instead Of Full Panel Door, Add	18.08	
For Type 304 Stainless Steel Door, Add	326.51	
For Type 316 Stainless Steel Door, Add	527.38	
For Embossed Panel, Add	96.42	
For Galvanized Steel, Add	60.26	
For Baked Enamel Finish, Add	182.04	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.78	
For >100, Deduct	-40.38	
For 2" Thick Door, Add	31.69	
For Insulated Door (Polystyrene Core), Add	40.17	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	100.43	
For Seamless Edge (Welded), Add	50.22	
For Steel Stiffened, Add	100.43	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0137	EA	3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	508.78	52.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	121.22	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	161.63	
			For Composite Door Instead Of Full Panel Door, Add	18.18	
			For Type 304 Stainless Steel Door, Add	328.50	
			For Type 316 Stainless Steel Door, Add	530.54	
			For Embossed Panel, Add	96.98	
			For Galvanized Steel, Add	60.61	
			For Baked Enamel Finish, Add	184.04	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-28.06	
			For >100, Deduct	-40.78	
			For 2" Thick Door, Add	31.91	
			For Insulated Door (Polystyrene Core), Add	40.41	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	101.02	
			For Seamless Edge (Welded), Add	50.51	
			For Steel Stiffened, Add	101.02	
08 13 13	13-0138	EA	3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	539.32	52.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	130.39	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	173.85	
			For Composite Door Instead Of Full Panel Door, Add	19.56	
			For Type 304 Stainless Steel Door, Add	352.93	
			For Type 316 Stainless Steel Door, Add	570.24	
			For Embossed Panel, Add	104.31	
			For Galvanized Steel, Add	65.19	
			For Baked Enamel Finish, Add	193.21	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.58	
			For >100, Deduct	-43.07	
			For 2" Thick Door, Add	34.13	
			For Insulated Door (Polystyrene Core), Add	43.46	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	108.66	
			For Seamless Edge (Welded), Add	54.33	
			For Steel Stiffened, Add	108.66	
08 13 13	13-0139	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	555.43	54.53
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	133.91	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	178.54	
			For Composite Door Instead Of Full Panel Door, Add	20.09	
			For Type 304 Stainless Steel Door, Add	362.54	
			For Type 316 Stainless Steel Door, Add	585.72	
			For Embossed Panel, Add	107.13	
			For Galvanized Steel, Add	66.95	
			For Baked Enamel Finish, Add	199.35	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.50	
			For >100, Deduct	-44.38	
			For 2" Thick Door, Add	35.09	
			For Insulated Door (Polystyrene Core), Add	44.64	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	111.59	
			For Seamless Edge (Welded), Add	55.80	
			For Steel Stiffened, Add	111.59	
08 13 13	13-0140	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	611.14	58.90
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	148.01	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	197.34	
			For Composite Door Instead Of Full Panel Door, Add	22.20	
			For Type 304 Stainless Steel Door, Add	400.57	
			For Type 316 Stainless Steel Door, Add	647.24	
			For Embossed Panel, Add	118.40	
			For Galvanized Steel, Add	74.00	
			For Baked Enamel Finish, Add	218.68	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.50	
			For >100, Deduct	-48.78	
			For 2" Thick Door, Add	38.71	
			For Insulated Door (Polystyrene Core), Add	49.34	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	123.34	
			For Seamless Edge (Welded), Add	61.67	
			For Steel Stiffened, Add	123.34	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0141 PR Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	977.65	95.32
For 16 Gauge, Grade III, Extra Heavy Duty, Add	236.10	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	314.80	
For Composite Door Instead Of Full Panel Door, Add	35.42	
For Type 304 Stainless Steel Door, Add	639.14	
For Type 316 Stainless Steel Door, Add	1,032.65	
For Embossed Panel, Add	188.88	
For Galvanized Steel, Add	118.05	
For Baked Enamel Finish, Add	350.49	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-53.65	
For >100, Deduct	-78.09	
For 2" Thick Door, Add	61.82	
For Insulated Door (Polystyrene Core), Add	78.70	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	196.75	
For Seamless Edge (Welded), Add	98.38	
For Steel Stiffened, Add	196.75	
08 13 13 13-0142 PR Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	989.40	95.32
For 16 Gauge, Grade III, Extra Heavy Duty, Add	239.63	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	319.50	
For Composite Door Instead Of Full Panel Door, Add	35.94	
For Type 304 Stainless Steel Door, Add	648.54	
For Type 316 Stainless Steel Door, Add	1,047.92	
For Embossed Panel, Add	191.70	
For Galvanized Steel, Add	119.81	
For Baked Enamel Finish, Add	354.01	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-54.24	
For >100, Deduct	-78.97	
For 2" Thick Door, Add	62.68	
For Insulated Door (Polystyrene Core), Add	79.88	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	199.69	
For Seamless Edge (Welded), Add	99.85	
For Steel Stiffened, Add	199.69	
08 13 13 13-0143 PR Pair 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	973.59	85.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	241.04	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	321.38	
For Composite Door Instead Of Full Panel Door, Add	36.16	
For Type 304 Stainless Steel Door, Add	651.27	
For Type 316 Stainless Steel Door, Add	1,052.99	
For Embossed Panel, Add	192.83	
For Galvanized Steel, Add	120.52	
For Baked Enamel Finish, Add	343.12	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.93	
For >100, Deduct	-77.27	
For 2" Thick Door, Add	62.50	
For Insulated Door (Polystyrene Core), Add	80.35	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	200.86	
For Seamless Edge (Welded), Add	100.43	
For Steel Stiffened, Add	200.86	
08 13 13 13-0144 PR Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,007.08	99.47
For 16 Gauge, Grade III, Extra Heavy Duty, Add	242.45	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	323.26	
For Composite Door Instead Of Full Panel Door, Add	36.37	
For Type 304 Stainless Steel Door, Add	656.47	
For Type 316 Stainless Steel Door, Add	1,060.54	
For Embossed Panel, Add	193.96	
For Galvanized Steel, Add	121.22	
For Baked Enamel Finish, Add	361.80	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-55.33	
For >100, Deduct	-80.50	
For 2" Thick Door, Add	63.56	
For Insulated Door (Polystyrene Core), Add	80.82	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	202.04	
For Seamless Edge (Welded), Add	101.02	
For Steel Stiffened, Add	202.04	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0145	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,099.95	103.61
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	267.82	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	357.09	
			For Composite Door Instead Of Full Panel Door, Add	40.17	
			For Type 304 Stainless Steel Door, Add	724.55	
			For Type 316 Stainless Steel Door, Add	1,170.91	
			For Embossed Panel, Add	214.26	
			For Galvanized Steel, Add	133.91	
			For Baked Enamel Finish, Add	392.15	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-60.18	
			For >100, Deduct	-87.68	
			For 2" Thick Door, Add	69.90	
			For Insulated Door (Polystyrene Core), Add	89.27	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	223.18	
			For Seamless Edge (Welded), Add	111.59	
			For Steel Stiffened, Add	223.18	
08 13 13	13-0146	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,210.50	111.90
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	296.01	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	394.68	
			For Composite Door Instead Of Full Panel Door, Add	44.40	
			For Type 304 Stainless Steel Door, Add	800.55	
			For Type 316 Stainless Steel Door, Add	1,293.90	
			For Embossed Panel, Add	236.81	
			For Galvanized Steel, Add	148.01	
			For Baked Enamel Finish, Add	430.29	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-66.12	
			For >100, Deduct	-96.38	
			For 2" Thick Door, Add	77.13	
			For Insulated Door (Polystyrene Core), Add	98.67	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	246.68	
			For Seamless Edge (Welded), Add	123.34	
			For Steel Stiffened, Add	246.68	
08 13 13	13-0147		7'-2" High (08 13 13 13-0114)		
08 13 13	13-0148	EA	2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	490.54	47.99
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	118.37	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	157.82	
			For Composite Door Instead Of Full Panel Door, Add	17.76	
			For Type 304 Stainless Steel Door, Add	320.45	
			For Type 316 Stainless Steel Door, Add	517.73	
			For Embossed Panel, Add	94.69	
			For Galvanized Steel, Add	59.18	
			For Baked Enamel Finish, Add	175.96	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.93	
			For >100, Deduct	-39.19	
			For 2" Thick Door, Add	31.01	
			For Insulated Door (Polystyrene Core), Add	39.46	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	98.64	
			For Seamless Edge (Welded), Add	49.32	
			For Steel Stiffened, Add	98.64	
08 13 13	13-0149	EA	2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	490.54	47.99
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	118.37	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	157.82	
			For Composite Door Instead Of Full Panel Door, Add	17.76	
			For Type 304 Stainless Steel Door, Add	320.45	
			For Type 316 Stainless Steel Door, Add	517.73	
			For Embossed Panel, Add	94.69	
			For Galvanized Steel, Add	59.18	
			For Baked Enamel Finish, Add	175.96	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.93	
			For >100, Deduct	-39.19	
			For 2" Thick Door, Add	31.01	
			For Insulated Door (Polystyrene Core), Add	39.46	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	98.64	
			For Seamless Edge (Welded), Add	49.32	
			For Steel Stiffened, Add	98.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0150	EA		2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	502.97	50.17
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	120.79	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	161.05	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.12	
				<i>For Type 304 Stainless Steel Door, Add</i>	327.12	
				<i>For Type 316 Stainless Steel Door, Add</i>	528.44	
				<i>For Embossed Panel, Add</i>	96.63	
				<i>For Galvanized Steel, Add</i>	60.39	
				<i>For Baked Enamel Finish, Add</i>	180.99	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.66	
				<i>For >100, Deduct</i>	-40.23	
				<i>For 2" Thick Door, Add</i>	31.70	
				<i>For Insulated Door (Polystyrene Core), Add</i>	40.26	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	100.66	
				<i>For Seamless Edge (Welded), Add</i>	50.33	
				<i>For Steel Stiffened, Add</i>	100.66	
08 13 13	13-0151	EA		2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	508.98	50.17
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	122.59	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	163.46	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.39	
				<i>For Type 304 Stainless Steel Door, Add</i>	331.93	
				<i>For Type 316 Stainless Steel Door, Add</i>	536.25	
				<i>For Embossed Panel, Add</i>	98.07	
				<i>For Galvanized Steel, Add</i>	61.30	
				<i>For Baked Enamel Finish, Add</i>	182.80	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-27.96	
				<i>For >100, Deduct</i>	-40.68	
				<i>For 2" Thick Door, Add</i>	32.13	
				<i>For Insulated Door (Polystyrene Core), Add</i>	40.86	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	102.16	
				<i>For Seamless Edge (Welded), Add</i>	51.08	
				<i>For Steel Stiffened, Add</i>	102.16	
08 13 13	13-0152	EA		2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	513.57	51.26
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	123.31	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	164.42	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.50	
				<i>For Type 304 Stainless Steel Door, Add</i>	333.96	
				<i>For Type 316 Stainless Steel Door, Add</i>	539.48	
				<i>For Embossed Panel, Add</i>	98.65	
				<i>For Galvanized Steel, Add</i>	61.66	
				<i>For Baked Enamel Finish, Add</i>	184.83	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.24	
				<i>For >100, Deduct</i>	-41.08	
				<i>For 2" Thick Door, Add</i>	32.36	
				<i>For Insulated Door (Polystyrene Core), Add</i>	41.10	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	102.76	
				<i>For Seamless Edge (Welded), Add</i>	51.38	
				<i>For Steel Stiffened, Add</i>	102.76	
08 13 13	13-0153	EA		3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	518.14	52.35
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	124.03	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	165.38	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.60	
				<i>For Type 304 Stainless Steel Door, Add</i>	335.99	
				<i>For Type 316 Stainless Steel Door, Add</i>	542.71	
				<i>For Embossed Panel, Add</i>	99.23	
				<i>For Galvanized Steel, Add</i>	62.02	
				<i>For Baked Enamel Finish, Add</i>	186.85	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-28.52	
				<i>For >100, Deduct</i>	-41.48	
				<i>For 2" Thick Door, Add</i>	32.59	
				<i>For Insulated Door (Polystyrene Core), Add</i>	41.34	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	103.36	
				<i>For Seamless Edge (Welded), Add</i>	51.68	
				<i>For Steel Stiffened, Add</i>	103.36	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0154	EA		3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	549.39	52.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	133.41	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	177.88	
			For Composite Door Instead Of Full Panel Door, Add	20.01	
			For Type 304 Stainless Steel Door, Add	360.99	
			For Type 316 Stainless Steel Door, Add	583.33	
			For Embossed Panel, Add	106.73	
			For Galvanized Steel, Add	66.70	
			For Baked Enamel Finish, Add	196.23	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.09	
			For >100, Deduct	-43.82	
			For 2" Thick Door, Add	34.86	
			For Insulated Door (Polystyrene Core), Add	44.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	111.17	
			For Seamless Edge (Welded), Add	55.59	
			For Steel Stiffened, Add	111.17	
08 13 13 13-0155	EA		3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	565.78	54.53
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	137.01	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	182.68	
			For Composite Door Instead Of Full Panel Door, Add	20.55	
			For Type 304 Stainless Steel Door, Add	370.82	
			For Type 316 Stainless Steel Door, Add	599.18	
			For Embossed Panel, Add	109.61	
			For Galvanized Steel, Add	68.51	
			For Baked Enamel Finish, Add	202.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-31.02	
			For >100, Deduct	-45.16	
			For 2" Thick Door, Add	35.84	
			For Insulated Door (Polystyrene Core), Add	45.67	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	114.18	
			For Seamless Edge (Welded), Add	57.09	
			For Steel Stiffened, Add	114.18	
08 13 13 13-0156	EA		4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	622.58	58.90
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	151.44	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	201.92	
			For Composite Door Instead Of Full Panel Door, Add	22.72	
			For Type 304 Stainless Steel Door, Add	409.72	
			For Type 316 Stainless Steel Door, Add	662.12	
			For Embossed Panel, Add	121.15	
			For Galvanized Steel, Add	75.72	
			For Baked Enamel Finish, Add	222.11	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-34.07	
			For >100, Deduct	-49.64	
			For 2" Thick Door, Add	39.54	
			For Insulated Door (Polystyrene Core), Add	50.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	126.20	
			For Seamless Edge (Welded), Add	63.10	
			For Steel Stiffened, Add	126.20	
08 13 13 13-0157	PR		Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	995.90	95.32
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	241.58	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	322.10	
			For Composite Door Instead Of Full Panel Door, Add	36.24	
			For Type 304 Stainless Steel Door, Add	653.74	
			For Type 316 Stainless Steel Door, Add	1,056.37	
			For Embossed Panel, Add	193.26	
			For Galvanized Steel, Add	120.79	
			For Baked Enamel Finish, Add	355.96	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.56	
			For >100, Deduct	-79.46	
			For 2" Thick Door, Add	63.15	
			For Insulated Door (Polystyrene Core), Add	80.53	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	201.32	
			For Seamless Edge (Welded), Add	100.66	
			For Steel Stiffened, Add	201.32	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0158	PR		Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,007.91	95.32
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	245.18	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	326.91	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	36.78	
				<i>For Type 304 Stainless Steel Door, Add</i>	663.35	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,071.98	
				<i>For Embossed Panel, Add</i>	196.14	
				<i>For Galvanized Steel, Add</i>	122.59	
				<i>For Baked Enamel Finish, Add</i>	359.57	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-55.16	
				<i>For >100, Deduct</i>	-80.36	
				<i>For 2" Thick Door, Add</i>	64.02	
				<i>For Insulated Door (Polystyrene Core), Add</i>	81.73	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	204.32	
				<i>For Seamless Edge (Welded), Add</i>	102.16	
				<i>For Steel Stiffened, Add</i>	204.32	
08 13 13	13-0159	PR		Pair 2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	992.22	85.07
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	246.62	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	328.83	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	36.99	
				<i>For Type 304 Stainless Steel Door, Add</i>	666.17	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,077.21	
				<i>For Embossed Panel, Add</i>	197.30	
				<i>For Galvanized Steel, Add</i>	123.31	
				<i>For Baked Enamel Finish, Add</i>	348.71	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-53.86	
				<i>For >100, Deduct</i>	-78.67	
				<i>For 2" Thick Door, Add</i>	63.85	
				<i>For Insulated Door (Polystyrene Core), Add</i>	82.21	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	205.52	
				<i>For Seamless Edge (Welded), Add</i>	102.76	
				<i>For Steel Stiffened, Add</i>	205.52	
08 13 13	13-0160	PR		Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,025.82	99.47
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	248.07	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	330.76	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	37.21	
				<i>For Type 304 Stainless Steel Door, Add</i>	671.46	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,084.90	
				<i>For Embossed Panel, Add</i>	198.45	
				<i>For Galvanized Steel, Add</i>	124.03	
				<i>For Baked Enamel Finish, Add</i>	367.43	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-56.26	
				<i>For >100, Deduct</i>	-81.91	
				<i>For 2" Thick Door, Add</i>	64.92	
				<i>For Insulated Door (Polystyrene Core), Add</i>	82.69	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	206.72	
				<i>For Seamless Edge (Welded), Add</i>	103.36	
				<i>For Steel Stiffened, Add</i>	206.72	
08 13 13	13-0161	PR		Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,120.64	103.61
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	274.03	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	365.37	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	41.10	
				<i>For Type 304 Stainless Steel Door, Add</i>	741.10	
				<i>For Type 316 Stainless Steel Door, Add</i>	1,197.81	
				<i>For Embossed Panel, Add</i>	219.22	
				<i>For Galvanized Steel, Add</i>	137.01	
				<i>For Baked Enamel Finish, Add</i>	398.36	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-61.21	
				<i>For >100, Deduct</i>	-89.23	
				<i>For 2" Thick Door, Add</i>	71.40	
				<i>For Insulated Door (Polystyrene Core), Add</i>	91.34	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	228.36	
				<i>For Seamless Edge (Welded), Add</i>	114.18	
				<i>For Steel Stiffened, Add</i>	228.36	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0162	PR		Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,233.37	111.90
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	302.87	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	403.83	
			For Composite Door Instead Of Full Panel Door, Add	45.43	
			For Type 304 Stainless Steel Door, Add	818.85	
			For Type 316 Stainless Steel Door, Add	1,323.63	
			For Embossed Panel, Add	242.30	
			For Galvanized Steel, Add	151.44	
			For Baked Enamel Finish, Add	437.15	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-67.26	
			For >100, Deduct	-98.10	
			For 2" Thick Door, Add	78.79	
			For Insulated Door (Polystyrene Core), Add	100.96	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	252.39	
			For Seamless Edge (Welded), Add	126.20	
			For Steel Stiffened, Add	252.39	
08 13 13 13-0163			8' High (08 13 13 13-0114)		
08 13 13 13-0164	EA		2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	564.28	47.99
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	140.49	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
			For Up To 1' Extra Height, Add	129.58	
			For Composite Door Instead Of Full Panel Door, Add	21.07	
			For Type 304 Stainless Steel Door, Add	379.44	
			For Type 316 Stainless Steel Door, Add	613.59	
			For Embossed Panel, Add	112.39	
			For Galvanized Steel, Add	70.25	
			For Baked Enamel Finish, Add	198.08	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.61	
			For >100, Deduct	-44.72	
			For 2" Thick Door, Add	36.35	
			For Insulated Door (Polystyrene Core), Add	46.83	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	117.08	
			For Seamless Edge (Welded), Add	58.54	
			For Steel Stiffened, Add	117.08	
08 13 13 13-0165	EA		2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	564.28	47.99
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	140.49	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
			For Up To 1' Extra Height, Add	129.58	
			For Composite Door Instead Of Full Panel Door, Add	21.07	
			For Type 304 Stainless Steel Door, Add	379.44	
			For Type 316 Stainless Steel Door, Add	613.59	
			For Embossed Panel, Add	112.39	
			For Galvanized Steel, Add	70.25	
			For Baked Enamel Finish, Add	198.08	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.61	
			For >100, Deduct	-44.72	
			For 2" Thick Door, Add	36.35	
			For Insulated Door (Polystyrene Core), Add	46.83	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	117.08	
			For Seamless Edge (Welded), Add	58.54	
			For Steel Stiffened, Add	117.08	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0166 EA 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	578.22	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	143.36	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	191.15	
For Up To 1' Extra Height, Add	132.23	
For Composite Door Instead Of Full Panel Door, Add	21.50	
For Type 304 Stainless Steel Door, Add	387.32	
For Type 316 Stainless Steel Door, Add	626.26	
For Embossed Panel, Add	114.69	
For Galvanized Steel, Add	71.68	
For Baked Enamel Finish, Add	203.57	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.42	
For >100, Deduct	-45.88	
For 2" Thick Door, Add	37.15	
For Insulated Door (Polystyrene Core), Add	47.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	119.47	
For Seamless Edge (Welded), Add	59.74	
For Steel Stiffened, Add	119.47	
08 13 13 13-0167 EA 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	585.35	50.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	145.50	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	194.00	
For Up To 1' Extra Height, Add	134.20	
For Composite Door Instead Of Full Panel Door, Add	21.83	
For Type 304 Stainless Steel Door, Add	393.03	
For Type 316 Stainless Steel Door, Add	635.53	
For Embossed Panel, Add	116.40	
For Galvanized Steel, Add	72.75	
For Baked Enamel Finish, Add	205.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.78	
For >100, Deduct	-46.41	
For 2" Thick Door, Add	37.67	
For Insulated Door (Polystyrene Core), Add	48.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.25	
For Seamless Edge (Welded), Add	60.63	
For Steel Stiffened, Add	121.25	
08 13 13 13-0168 EA 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	590.39	51.26
For 16 Gauge, Grade III, Extra Heavy Duty, Add	146.36	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	195.14	
For Up To 1' Extra Height, Add	134.99	
For Composite Door Instead Of Full Panel Door, Add	21.95	
For Type 304 Stainless Steel Door, Add	395.41	
For Type 316 Stainless Steel Door, Add	639.34	
For Embossed Panel, Add	117.09	
For Galvanized Steel, Add	73.18	
For Baked Enamel Finish, Add	207.88	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.08	
For >100, Deduct	-46.84	
For 2" Thick Door, Add	37.93	
For Insulated Door (Polystyrene Core), Add	48.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.97	
For Seamless Edge (Welded), Add	60.98	
For Steel Stiffened, Add	121.97	
08 13 13 13-0169 EA 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	595.41	52.35
For 16 Gauge, Grade III, Extra Heavy Duty, Add	147.21	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	196.28	
For Up To 1' Extra Height, Add	135.78	
For Composite Door Instead Of Full Panel Door, Add	22.08	
For Type 304 Stainless Steel Door, Add	397.80	
For Type 316 Stainless Steel Door, Add	643.16	
For Embossed Panel, Add	117.77	
For Galvanized Steel, Add	73.61	
For Baked Enamel Finish, Add	210.03	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.39	
For >100, Deduct	-47.27	
For 2" Thick Door, Add	38.19	
For Insulated Door (Polystyrene Core), Add	49.07	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	122.68	
For Seamless Edge (Welded), Add	61.34	
For Steel Stiffened, Add	122.68	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0170	EA	3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	632.50	52.35
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	158.34	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	211.12	
			<i>For Up To 1' Extra Height, Add</i>	146.04	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.75	
			<i>For Type 304 Stainless Steel Door, Add</i>	427.48	
			<i>For Type 316 Stainless Steel Door, Add</i>	691.38	
			<i>For Embossed Panel, Add</i>	126.67	
			<i>For Galvanized Steel, Add</i>	79.17	
			<i>For Baked Enamel Finish, Add</i>	221.16	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.24	
			<i>For >100, Deduct</i>	-50.06	
			<i>For 2" Thick Door, Add</i>	40.88	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.78	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	131.95	
			<i>For Seamless Edge (Welded), Add</i>	65.98	
			<i>For Steel Stiffened, Add</i>	131.95	
08 13 13	13-0171	EA	3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	651.14	54.53
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	162.62	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	216.83	
			<i>For Up To 1' Extra Height, Add</i>	149.99	
			<i>For 1' To 1'-6" Extra Height, Add</i>	286.16	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.39	
			<i>For Type 304 Stainless Steel Door, Add</i>	439.11	
			<i>For Type 316 Stainless Steel Door, Add</i>	710.14	
			<i>For Embossed Panel, Add</i>	130.10	
			<i>For Galvanized Steel, Add</i>	81.31	
			<i>For Baked Enamel Finish, Add</i>	228.06	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-35.28	
			<i>For >100, Deduct</i>	-51.56	
			<i>For 2" Thick Door, Add</i>	42.03	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.21	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	135.52	
			<i>For Seamless Edge (Welded), Add</i>	67.76	
			<i>For Steel Stiffened, Add</i>	135.52	
08 13 13	13-0172	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	716.92	58.90
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	179.74	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	239.65	
			<i>For Up To 1' Extra Height, Add</i>	165.78	
			<i>For 1' To 1'-6" Extra Height, Add</i>	316.28	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.96	
			<i>For Type 304 Stainless Steel Door, Add</i>	485.19	
			<i>For Type 316 Stainless Steel Door, Add</i>	784.76	
			<i>For Embossed Panel, Add</i>	143.79	
			<i>For Galvanized Steel, Add</i>	89.87	
			<i>For Baked Enamel Finish, Add</i>	250.41	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-38.79	
			<i>For >100, Deduct</i>	-56.71	
			<i>For 2" Thick Door, Add</i>	46.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	59.91	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	149.78	
			<i>For Seamless Edge (Welded), Add</i>	74.89	
			<i>For Steel Stiffened, Add</i>	149.78	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0173 PR Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,146.39	95.32
For 16 Gauge, Grade III, Extra Heavy Duty, Add	286.73	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	382.30	
For Up To 1' Extra Height, Add	264.46	
For Composite Door Instead Of Full Panel Door, Add	43.01	
For Type 304 Stainless Steel Door, Add	774.13	
For Type 316 Stainless Steel Door, Add	1,252.01	
For Embossed Panel, Add	229.38	
For Galvanized Steel, Add	143.36	
For Baked Enamel Finish, Add	401.11	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-62.09	
For >100, Deduct	-90.75	
For 2" Thick Door, Add	74.06	
For Insulated Door (Polystyrene Core), Add	95.58	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	238.94	
For Seamless Edge (Welded), Add	119.47	
For Steel Stiffened, Add	238.94	
08 13 13 13-0174 PR Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,160.66	95.32
For 16 Gauge, Grade III, Extra Heavy Duty, Add	291.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	388.01	
For Up To 1' Extra Height, Add	268.40	
For Composite Door Instead Of Full Panel Door, Add	43.65	
For Type 304 Stainless Steel Door, Add	785.55	
For Type 316 Stainless Steel Door, Add	1,270.56	
For Embossed Panel, Add	232.80	
For Galvanized Steel, Add	145.50	
For Baked Enamel Finish, Add	405.39	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-62.80	
For >100, Deduct	-91.82	
For 2" Thick Door, Add	75.09	
For Insulated Door (Polystyrene Core), Add	97.00	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	242.51	
For Seamless Edge (Welded), Add	121.25	
For Steel Stiffened, Add	242.51	
08 13 13 13-0175 PR Pair 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,145.86	85.07
For 16 Gauge, Grade III, Extra Heavy Duty, Add	292.72	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	390.29	
For Up To 1' Extra Height, Add	269.98	
For Composite Door Instead Of Full Panel Door, Add	43.91	
For Type 304 Stainless Steel Door, Add	789.08	
For Type 316 Stainless Steel Door, Add	1,276.94	
For Embossed Panel, Add	234.17	
For Galvanized Steel, Add	146.36	
For Baked Enamel Finish, Add	394.80	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-61.55	
For >100, Deduct	-90.19	
For 2" Thick Door, Add	74.99	
For Insulated Door (Polystyrene Core), Add	97.57	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	243.93	
For Seamless Edge (Welded), Add	121.97	
For Steel Stiffened, Add	243.93	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0176	PR	Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,180.36	99.47
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	294.43	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	392.57	
			<i>For Up To 1' Extra Height, Add</i>	271.56	
			<i>For 1' To 1'-6" Extra Height, Add</i>	518.10	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	44.16	
			<i>For Type 304 Stainless Steel Door, Add</i>	795.09	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,285.81	
			<i>For Embossed Panel, Add</i>	235.54	
			<i>For Galvanized Steel, Add</i>	147.21	
			<i>For Baked Enamel Finish, Add</i>	413.79	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-63.99	
			<i>For >100, Deduct</i>	-93.50	
			<i>For 2" Thick Door, Add</i>	76.13	
			<i>For Insulated Door (Polystyrene Core), Add</i>	98.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	245.36	
			<i>For Seamless Edge (Welded), Add</i>	122.68	
			<i>For Steel Stiffened, Add</i>	245.36	
08 13 13	13-0177	PR	Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,291.36	103.61
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	325.24	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	433.66	
			<i>For Up To 1' Extra Height, Add</i>	299.98	
			<i>For 1' To 1'-6" Extra Height, Add</i>	572.32	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	48.79	
			<i>For Type 304 Stainless Steel Door, Add</i>	877.67	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,419.74	
			<i>For Embossed Panel, Add</i>	260.19	
			<i>For Galvanized Steel, Add</i>	162.62	
			<i>For Baked Enamel Finish, Add</i>	449.57	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-69.75	
			<i>For >100, Deduct</i>	-102.03	
			<i>For 2" Thick Door, Add</i>	83.78	
			<i>For Insulated Door (Polystyrene Core), Add</i>	108.41	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	271.04	
			<i>For Seamless Edge (Welded), Add</i>	135.52	
			<i>For Steel Stiffened, Add</i>	271.04	
08 13 13	13-0178	PR	Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,422.06	111.90
			<i>For 1' To 1'-6" Extra Height, Add</i>	632.56	
			<i>For Seamless Edge (Welded), Add</i>	149.78	
			<i>For Steel Stiffened, Add</i>	299.57	
08 13 13 53	Custom Hollow Metal Doors (08 13 13)				
08 13 13 53-0001	Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)				
08 13 13 53-0002	EA		2'-2" Or 2'-4" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head.....	1,052.98	109.07
			<i>For 16 Gauge Door, Add</i>	20.30	
08 13 13 53-0003	EA		2'-6" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head.....	1,107.25	130.88
			<i>For 16 Gauge Door, Add</i>	20.30	
08 13 73	Sliding Metal Doors (08 13)				
08 13 73 00-0001	Sliding Bypass Mirror Doors (08 13 73)				
			Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA		4' x 6' 8", Sliding Bypass Mirror Doors	289.75	65.44
08 13 73 00-0003	EA		5' x 6' 8", Sliding Bypass Mirror Doors	326.10	69.81
08 13 73 00-0004	EA		6' x 6' 8", Sliding Bypass Mirror Doors	362.45	74.16
08 13 73 00-0005	EA		8' x 6' 8", Sliding Bypass Mirror Doors	426.44	78.53
08 30	Specialty Doors And Frames (08)				
08 31	Access Doors And Panels (08 30)				
			See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.		
08 31 13	Access Doors And Frames (08 31)				
08 31 13 00-0001	Stainless Steel Access Doors (08 31 13)				
08 31 13 00-0002	Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)				
08 31 13 00-0003	EA		12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	356.90	54.35
08 31 13 00-0004	EA		12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	414.08	57.90
08 31 13 00-0005	EA		18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	482.00	61.24
08 31 13 00-0006	EA		24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	554.88	64.35
08 31 13 00-0007	EA		24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	567.35	64.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 31	13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	733.48	66.68
08 31 13 00-0009 Stainless Steel Access Doors <small>(08 31 13 00-0001)</small>						
	08 31	13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	150.27	41.68
	08 31	13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	177.94	54.35
	08 31	13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	248.38	57.90
	08 31	13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	266.37	61.24
	08 31	13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	307.51	64.35
	08 31	13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	348.23	64.68
08 31 13 00-0016 Steel Access Doors <small>(08 31 13)</small>						
Note: Includes paintable powder coated finish.						
08 31 13 00-0017 Fire Rated Steel Access Doors <small>(08 31 13 00-0016)</small>						
	08 31	13 00-0018	EA	12" x 12" Fire Rated Steel Access Door With Cam Latch	204.73	54.68
	08 31	13 00-0019	EA	12" x 18" Fire Rated Steel Access Door With Cam Latch	248.39	57.90
	08 31	13 00-0020	EA	18" x 18" Fire Rated Steel Access Door With Cam Latch	250.00	61.24
	08 31	13 00-0021	EA	24" x 18" Fire Rated Steel Access Door With Cam Latch	292.73	64.68
	08 31	13 00-0022	EA	24" x 24" Fire Rated Steel Access Door With Cam Latch	304.47	64.68
	08 31	13 00-0023	EA	24" x 36" Fire Rated Steel Access Door With Cam Latch	399.43	66.68
	08 31	13 00-0024	EA	24" x 48" Fire Rated Steel Access Door With Cam Latch	455.85	69.46
	08 31	13 00-0025	EA	36" x 36" Fire Rated Steel Access Door With Cam Latch	553.00	69.46
	08 31	13 00-0026	EA	48" x 48" Fire Rated Steel Access Door With Cam Latch	705.96	83.35
08 31 13 00-0027 Steel Access Doors <small>(08 31 13 00-0016)</small>						
	08 31	13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	116.96	41.90
	08 31	13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	125.17	54.68
	08 31	13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	141.46	57.90
	08 31	13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	146.33	61.24
	08 31	13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	169.49	64.68
	08 31	13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	172.73	64.68
	08 31	13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	222.70	66.68
	08 31	13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	282.28	69.46
08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application <small>(08 31 13)</small>						
Note: Includes paintable powder coated finish.						
	08 31	13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch	155.73	41.68
				<i>For Recessed Doors In Acoustical Tile, Add</i>	22.48	
	08 31	13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch	163.64	44.68
				<i>For Recessed Doors In Acoustical Tile, Add</i>	24.57	
	08 31	13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch	175.41	47.23
				<i>For Recessed Doors In Acoustical Tile, Add</i>	25.67	
	08 31	13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch	202.40	50.01
				<i>For Recessed Doors In Acoustical Tile, Add</i>	24.66	
	08 31	13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch	213.06	52.79
				<i>For Recessed Doors In Acoustical Tile, Add</i>	26.12	
	08 31	13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch	230.13	52.79
				<i>For Recessed Doors In Acoustical Tile, Add</i>	23.56	
	08 31	13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch	287.25	66.68
				<i>For Recessed Doors In Acoustical Tile, Add</i>	30.27	
	08 31	13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch	394.19	69.46
				<i>For Recessed Doors In Acoustical Tile, Add</i>	17.28	
08 31 13 00-0045 Steel Crawl Space Doors And Frames <small>(08 31 13)</small>						
Note: Includes paintable powder coated finish.						
	08 31	13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch	182.15	70.35
	08 31	13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch	249.54	85.24
	08 31	13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch	278.33	92.58
08 33 Coiling Doors And Grilles <small>(08 30)</small>						
08 33 13 Coiling Counter Doors <small>(08 33)</small>						
08 33 13 00-0001 Aluminum Overhead Coiling Counter Shutters <small>(08 33 13)</small>						
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.						
	08 33	13 00-0002	EA	4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	1,828.54	344.29
				<i>For Steel Doors, Deduct</i>	-35.00	
				<i>For Stainless Steel Doors, Add</i>	78.00	
				<i>For Fire Rated, Add</i>	65.00	
				<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	
	08 33	13 00-0003	EA	6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift	2,035.11	344.29
				<i>For Steel Doors, Deduct</i>	-71.00	
				<i>For Stainless Steel Doors, Add</i>	130.00	
				<i>For Fire Rated, Add</i>	65.00	
				<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0004	EA		8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,285.08	365.80
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	740.41	
08 33 13 00-0005	EA		10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,658.07	430.36
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	757.06	
08 33 13 00-0006	EA		4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,987.93	344.29
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	
08 33 13 00-0007	EA		6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,290.13	382.50
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.64	
08 33 13 00-0008	EA		10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,822.82	430.36
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	757.59	
08 33 13 00-0009			Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters (08 33 13)		
			Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		
08 33 13 00-0010	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,115.54	344.29
			<i>For Steel Doors, Deduct</i>	-35.00	
			<i>For Stainless Steel Doors, Add</i>	78.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	
08 33 13 00-0011	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,487.62	344.29
			<i>For Steel Doors, Deduct</i>	-71.00	
			<i>For Stainless Steel Doors, Add</i>	130.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	
08 33 13 00-0012	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,917.09	365.80
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	740.41	
08 33 13 00-0013	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,493.65	430.36
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	757.06	
08 33 13 00-0014	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,334.08	344.29
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	736.07	
08 33 13 00-0015	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,772.47	382.50
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	745.64	
08 33 13 00-0016	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,950.09	430.36
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	757.59	
08 33 23			Overhead Coiling Doors (08 33)		
08 33 23 00-0001			Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23)		
08 33 23 00-0002			26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style (08 33 23 00-0001)		
08 33 23 00-0003	EA		4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	690.56	239.94
08 33 23 00-0004	EA		4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	763.21	261.76
08 33 23 00-0005	EA		5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	759.82	261.76
08 33 23 00-0006	EA		5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	836.98	283.57
08 33 23 00-0007	EA		6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	829.19	283.57
08 33 23 00-0008	EA		6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	905.92	305.38
08 33 23 00-0009	EA		6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	995.64	327.20
08 33 23 00-0010	EA		8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	874.86	283.57
08 33 23 00-0011	EA		8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	942.81	305.38
08 33 23 00-0012	EA		8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,021.46	327.20
08 33 23 00-0013	EA		8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,132.81	349.01
08 33 23 00-0014	EA		10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,060.35	349.01
08 33 23 00-0015	EA		10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,110.52	349.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,221.08	370.82
08 33 23 00-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,299.16	392.64
08 33 23 00-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
Note: With curtain hood (barrel cover).		
08 33 23 00-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,167.96	283.57
For Insulated, Add	1,243.15	
08 33 23 00-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,266.91	305.38
For Insulated, Add	1,287.92	
08 33 23 00-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,516.45	349.01
For Insulated, Add	1,416.18	
08 33 23 00-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,685.26	349.01
For Insulated, Add	1,542.79	
08 33 23 00-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,453.32	349.01
For Insulated, Add	1,368.83	
08 33 23 00-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,579.51	349.01
For Insulated, Add	1,463.48	
08 33 23 00-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,792.86	392.64
For Insulated, Add	1,564.65	
08 33 23 00-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,974.72	392.64
For Insulated, Add	1,701.04	
08 33 23 00-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,705.81	392.64
For Insulated, Add	1,499.36	
08 33 23 00-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,939.34	436.26
For Insulated, Add	1,615.56	
08 33 23 00-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,303.68	545.33
For Insulated, Add	1,741.58	
08 33 23 00-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,569.33	545.33
For Insulated, Add	1,940.82	
08 33 23 00-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,541.66	545.33
For Insulated, Add	1,920.06	
08 33 23 00-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,845.96	545.33
For Insulated, Add	2,148.29	
08 33 23 00-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,168.71	545.33
For Insulated, Add	2,390.35	
08 33 23 00-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
Note: With curtain hood (barrel cover).		
08 33 23 00-0035 EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,902.78	261.76
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	206.90	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	344.83	
For Insulated, Add	1,073.75	
08 33 23 00-0036 EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,084.41	283.57
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	227.59	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	379.31	
For Insulated, Add	1,180.47	
08 33 23 00-0037 EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,219.18	305.38
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	241.25	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	402.09	
For Insulated, Add	1,252.07	
08 33 23 00-0038 EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,100.75	283.57
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	230.04	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	383.40	
For Insulated, Add	1,192.73	
08 33 23 00-0039 EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,297.78	305.38
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	253.04	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	421.74	
For Insulated, Add	1,311.02	
08 33 23 00-0040 EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,525.87	349.01
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	274.18	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	456.97	
For Insulated, Add	1,423.25	
08 33 23 00-0041 EA 6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,046.78	392.64
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	339.24	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	565.40	
For Insulated, Add	1,755.08	
08 33 23 00-0042 EA 6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,567.80	436.26
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	404.29	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	673.82	
For Insulated, Add	2,086.91	
08 33 23 00-0043 EA 8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,263.22	283.57
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	254.41	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	424.02	
For Insulated, Add	1,314.58	
08 33 23 00-0044 EA 8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,563.66	349.01
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	279.85	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	466.41	
For Insulated, Add	1,451.59	
08 33 23 00-0045 EA 8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,892.45	436.26
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	302.99	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	504.99	
For Insulated, Add	1,580.39	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,393.91	479.89
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	365.14	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	608.57	
			<i>For Insulated, Add</i>	1,897.67	
08 33 23 00-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,895.74	523.51
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	427.28	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	712.14	
			<i>For Insulated, Add</i>	2,214.95	
08 33 23 00-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,944.24	447.17
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	307.49	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	512.48	
			<i>For Insulated, Add</i>	1,604.50	
08 33 23 00-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,369.08	545.33
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	341.77	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	569.61	
			<i>For Insulated, Add</i>	1,790.63	
08 33 23 00-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,020.55	654.38
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	406.81	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	678.01	
			<i>For Insulated, Add</i>	2,132.17	
08 33 23 00-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,716.04	785.26
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	471.85	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	786.41	
			<i>For Insulated, Add</i>	2,477.01	
08 33 23 00-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,447.20	959.77
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	529.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	881.77	
			<i>For Insulated, Add</i>	2,789.31	
08 33 23 00-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,001.84	1,047.02
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	586.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	977.12	
			<i>For Insulated, Add</i>	3,088.36	
08 33 23 00-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,557.33	1,134.27
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	643.48	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,072.47	
			<i>For Insulated, Add</i>	3,387.47	
08 33 23 00-0055	EA		10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,112.32	1,221.52
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	700.45	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,167.42	
			<i>For Insulated, Add</i>	3,685.45	
08 33 23 00-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,340.95	523.51
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	344.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	573.44	
			<i>For Insulated, Add</i>	1,798.86	
08 33 23 00-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,839.31	654.38
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	379.62	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	632.70	
			<i>For Insulated, Add</i>	1,996.24	
08 33 23 00-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,587.87	741.63
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	465.75	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	776.25	
			<i>For Insulated, Add</i>	2,439.97	
08 33 23 00-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,424.24	872.51
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	551.88	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	919.80	
			<i>For Insulated, Add</i>	2,890.28	
08 33 23 00-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,267.10	1,047.02
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	626.06	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,043.43	
			<i>For Insulated, Add</i>	3,287.30	
08 33 23 00-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,935.70	1,134.27
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	700.24	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,167.06	
			<i>For Insulated, Add</i>	3,671.25	
08 33 23 00-0062	EA		12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,693.27	1,265.15
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	774.42	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,290.69	
			<i>For Insulated, Add</i>	4,061.87	
08 33 23 00-0063	EA		12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,450.21	1,396.03
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	848.59	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	1,414.32	
			<i>For Insulated, Add</i>	4,452.42	
08 33 23 00-0064			20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
			Note: With curtain hood (barrel cover)		
08 33 23 00-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,239.83	654.38
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	439.70	
			<i>For Insulated, Add</i>	2,296.63	
08 33 23 00-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,812.19	741.63
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	499.40	
			<i>For Insulated, Add</i>	2,608.21	
08 33 23 00-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,490.71	828.89
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	574.98	
			<i>For Insulated, Add</i>	2,999.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0068 EA 14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,103.91 640.64 3,340.65	916.14
08 33 23 00-0069 EA 14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,926.04 711.71 3,722.16	1,090.64
08 33 23 00-0070 EA 14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,573.53 782.69 4,090.12	1,177.90
08 33 23 00-0071 EA 14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,024.78 960.93 5,001.03	1,308.77
08 33 23 00-0072 EA 14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,472.13 1,139.17 5,911.66	1,439.65
08 33 23 00-0073 EA 16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,236.33 549.89 2,867.23	785.26
08 33 23 00-0074 EA 16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,880.16 620.27 3,232.22	872.51
08 33 23 00-0075 EA 16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,546.62 680.99 3,555.44	1,003.39
08 33 23 00-0076 EA 16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,230.80 744.50 3,892.57	1,134.27
08 33 23 00-0077 EA 16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,883.09 816.07 4,263.53	1,221.52
08 33 23 00-0078 EA 16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,637.55 902.84 4,710.61	1,308.77
08 33 23 00-0079 EA 16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,752.61 1,043.95 5,429.22	1,396.03
08 33 23 00-0080 EA 16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,877.90 1,186.52 6,155.20	1,483.28
08 33 23 00-0081 EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,758.75 575.79 3,022.97	959.77
08 33 23 00-0082 EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,339.37 636.90 3,341.50	1,047.02
08 33 23 00-0083 EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,263.40 736.17 3,857.52	1,177.90
08 33 23 00-0084 EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,063.52 816.74 4,280.09	1,308.77
08 33 23 00-0085 EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,779.98 898.06 4,699.75	1,396.03
08 33 23 00-0086 EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,497.55 979.47 5,119.94	1,483.28
08 33 23 00-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,795.22 1,147.82 5,974.84	1,570.53
08 33 23 00-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	12,119.19 1,320.63 6,851.75	1,657.77
08 33 23 00-0089 EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,459.18 654.87 3,431.36	1,047.02
08 33 23 00-0090 EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,519.09 787.75 4,108.79	1,134.27
08 33 23 00-0091 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001) Note: With curtain hood (barrel cover).		
08 33 23 00-0092 EA 20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	8,919.83 4,981.79	1,265.15
08 33 23 00-0093 EA 20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,086.60 5,738.19	1,352.40
08 33 23 00-0094 EA 20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,426.65 6,624.98	1,439.65
08 33 23 00-0095 EA 20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	12,930.16 7,635.47	1,526.91
08 33 23 00-0096 EA 20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,439.62 8,651.65	1,614.16
08 33 23 00-0097 EA 20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	15,980.83 9,688.64	1,701.40

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0098	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,214.36 3,880.24	1,134.27
08 33 23 00-0099	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,441.03 4,681.98	1,221.52
08 33 23 00-0100	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,944.35 5,631.50	1,352.40
08 33 23 00-0101	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,466.94 6,657.76	1,439.65
08 33 23 00-0102	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	13,000.70 7,688.38	1,526.91
08 33 23 00-0103	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,693.32 8,841.93	1,614.16
08 33 23 00-0104	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	16,395.83 9,999.89	1,701.40
08 33 23 00-0105	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	18,084.13 11,149.37	1,788.65
08 33 23 00-0106	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,905.46 4,280.31	1,221.52
08 33 23 00-0107	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,800.19 4,832.59	1,308.77
08 33 23 00-0108	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,773.23 6,137.48	1,439.65
08 33 23 00-0109	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,481.28 7,298.81	1,526.91
08 33 23 00-0110	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,116.38 8,409.22	1,614.16
08 33 23 00-0111	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	15,919.16 9,642.39	1,701.40
08 33 23 00-0112	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	18,022.53 11,103.17	1,788.65
08 33 23 00-0113	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	20,186.52 12,605.69	1,875.90
08 33 23 00-0114			Aluminum Overhead Coiling Doors (Width x Height) (08 33 23)		
08 33 23 00-0115			0.04" Aluminum Overhead Coiling Doors (08 33 23 00-0114)		
08 33 23 00-0116	EA		4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,511.84	261.76
08 33 23 00-0117	EA		4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,652.44	283.57
08 33 23 00-0118	EA		4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,057.69	305.38
08 33 23 00-0119	EA		6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,848.27	283.57
08 33 23 00-0120	EA		6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,011.83	305.38
08 33 23 00-0121	EA		6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,218.92	349.01
08 33 23 00-0122	EA		6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,461.98	392.64
08 33 23 00-0123	EA		6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,707.78	436.26
08 33 23 00-0124	EA		8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	1,996.24	283.57
08 33 23 00-0125	EA		8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,289.36	349.01
08 33 23 00-0126	EA		8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,628.66	436.26
08 33 23 00-0127	EA		8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,871.85	479.89
08 33 23 00-0128	EA		8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,116.29	523.51
08 33 23 00-0129	EA		10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,684.99	458.07
08 33 23 00-0130	EA		10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,020.57	545.33
08 33 23 00-0131	EA		10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,437.09	654.38
08 33 23 00-0132	EA		10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,898.74	785.26
08 33 23 00-0133	EA		10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,590.08	959.77
08 33 23 00-0134	EA		10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,104.82	1,047.02
08 33 23 00-0135	EA		10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,617.15	1,134.27
08 33 23 00-0136	EA		10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,131.56	1,221.52
08 33 23 00-0137	EA		12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,973.08	523.51
08 33 23 00-0138	EA		12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,623.44	654.38
08 33 23 00-0139	EA		12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,100.99	741.63
08 33 23 00-0140	EA		12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,668.18	872.51
08 33 23 00-0141	EA		12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,429.70	1,047.02
08 33 23 00-0142	EA		12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,018.52	1,134.27
08 33 23 00-0143	EA		12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,468.07	1,265.15
08 33 23 00-0144	EA		12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,919.11	1,396.03
08 33 23 00-0145			0.05" Aluminum Overhead Coiling Doors (08 33 23 00-0114)		
08 33 23 00-0146	EA		14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	3,473.24	654.38
08 33 23 00-0147	EA		14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,080.53	741.63
08 33 23 00-0148	EA		14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,677.90	828.89
08 33 23 00-0149	EA		14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,235.09	916.14
08 33 23 00-0150	EA		14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,998.40	1,090.64
08 33 23 00-0151	EA		14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,587.71	1,177.90
08 33 23 00-0152	EA		14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,274.69	1,308.77
08 33 23 00-0153	EA		14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,957.86	1,439.65
08 33 23 00-0154	EA		16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,125.82	785.26
08 33 23 00-0155	EA		16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,757.73	872.51
08 33 23 00-0156	EA		16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,453.62	1,003.39
08 33 23 00-0157	EA		16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,165.25	1,134.27
08 33 23 00-0158	EA		16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,837.45	1,221.52



Openings	08
Specialty Doors And Frames	08 30
Coiling Doors And Grilles	08 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 33 23 00-0159	EA		16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,548.81	1,308.77	
08 33 23 00-0160	EA		16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,227.81	1,396.03	
08 33 23 00-0161	EA		16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,867.58	1,483.28	
08 33 23 00-0162	EA		18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,758.63	959.77	
08 33 23 00-0163	EA		18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,428.85	1,047.02	
08 33 23 00-0164	EA		18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,246.21	1,177.90	
08 33 23 00-0165	EA		18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,054.37	1,308.77	
08 33 23 00-0166	EA		18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,782.06	1,396.03	
08 33 23 00-0167	EA		18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,505.10	1,483.28	
08 33 23 00-0168	EA		18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,227.38	1,570.53	
08 33 23 00-0169	EA		18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,951.39	1,657.77	
08 33 23 00-0170	EA		20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,316.13	1,047.02	
08 33 23 00-0171	EA		20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,998.73	1,134.27	
08 33 23 00-0172	EA		20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,111.01	1,265.15	
08 33 23 00-0173	EA		20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,788.96	1,352.40	
08 33 23 00-0174	EA		20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,582.86	1,439.65	
08 33 23 00-0175	EA		20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,405.77	1,526.91	
08 33 23 00-0176	EA		20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,182.07	1,614.16	
08 33 23 00-0177	EA		20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,989.75	1,701.40	
08 33 23 00-0178	EA		22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,062.78	1,134.27	
08 33 23 00-0179	EA		22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,888.67	1,221.52	
08 33 23 00-0180	EA		22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,895.27	1,352.40	
08 33 23 00-0181	EA		22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,792.91	1,439.65	
08 33 23 00-0182	EA		22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,695.26	1,526.91	
08 33 23 00-0183	EA		22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,600.93	1,614.16	
08 33 23 00-0184	EA		22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,462.40	1,701.40	
08 33 23 00-0185	EA		22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,327.03	1,788.65	
08 33 23 00-0186	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,633.77	1,221.52	
08 33 23 00-0187	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,200.39	1,308.77	
08 33 23 00-0188	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,538.02	1,439.65	
08 33 23 00-0189	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,546.65	1,526.91	
08 33 23 00-0190	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,497.18	1,614.16	
08 33 23 00-0191	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,452.16	1,701.40	
08 33 23 00-0192	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,537.10	1,788.65	
08 33 23 00-0193	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,666.03	1,875.90	
08 33 23 00-0194 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23)						
Note: Includes storage, cleaning and supply materials.						
08 33 23 00-0195	SF		Remove And Reinstall Metal Roll-up Door And Supports.....		18.51	
08 33 23 00-0196 Overhead Coiling Door Accessories (08 33 23)						
08 33 23 00-0197	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	3.02	1.09	
08 33 23 00-0198	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	17.92	1.31	
08 33 23 00-0199	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	17.13	1.31	
08 33 23 00-0200	EA		Cylinder Lock For Coiling Doors.....	189.97	54.53	
08 33 23 00-0201	EA		Jackshaft Operator For Coiling Doors.....	1,158.79	174.50	
Note: Includes three button inside station controls and mounting hardware.						
08 33 23 00-0202	EA		Remote Transmitter Kit For Coiling Door Operators.....	257.70	87.25	
08 33 26 Overhead Coiling Grilles (08 33)						
Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.						
08 33 26 00-0001 Steel Overhead Coiling Grilles (Width x Height) (08 33 26)						
08 33 26 00-0002	EA		4' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,224.31	150.62	
				For Staggered Brick Pattern, Add	44.85	
				For Lexan Lattice Pattern, Add	269.09	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	84.26	
				For Staggered Brick Pattern, Add	150.01	
08 33 26 00-0003	EA		6' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,453.73	150.62	
				For Staggered Brick Pattern, Add	50.58	
				For Lexan Lattice Pattern, Add	303.51	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	115.95	
				For Staggered Brick Pattern, Add	203.51	
08 33 26 00-0004	EA		8' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,828.75	200.81	
				For Staggered Brick Pattern, Add	56.37	
				For Lexan Lattice Pattern, Add	338.24	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	147.66	
				For Staggered Brick Pattern, Add	257.01	
08 33 26 00-0005	EA		12' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	3,380.88	200.81	
				For Staggered Brick Pattern, Add	70.18	
				For Lexan Lattice Pattern, Add	421.06	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	211.04	
				For Staggered Brick Pattern, Add	364.00	
08 33 26 00-0006	EA		16' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	4,572.31	301.25	
				For Staggered Brick Pattern, Add	92.79	
				For Lexan Lattice Pattern, Add	556.74	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	316.16	
				For Staggered Brick Pattern, Add	479.98	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0007	EA		20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,763.74	401.53
			<i>For Staggered Brick Pattern, Add</i>	115.40	
			<i>For Lexan Lattice Pattern, Add</i>	692.42	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	421.28	
			<i>For Staggered Brick Pattern, Add</i>	595.96	
08 33 26 00-0008	EA		24' x 4', Steel Overhead Coiling Grilles, Manual Lift	7,197.85	482.01
			<i>For Staggered Brick Pattern, Add</i>	145.46	
			<i>For Lexan Lattice Pattern, Add</i>	872.77	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	505.54	
			<i>For Staggered Brick Pattern, Add</i>	616.25	
08 33 26 00-0009	EA		30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,833.53	602.51
			<i>For Staggered Brick Pattern, Add</i>	177.80	
			<i>For Lexan Lattice Pattern, Add</i>	1,066.81	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	591.71	
			<i>For Staggered Brick Pattern, Add</i>	707.39	
08 33 26 00-0010	EA		4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,399.44	150.62
			<i>For Staggered Brick Pattern, Add</i>	49.23	
			<i>For Lexan Lattice Pattern, Add</i>	295.36	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	126.38	
			<i>For Staggered Brick Pattern, Add</i>	174.29	
08 33 26 00-0011	EA		6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,728.95	150.62
			<i>For Staggered Brick Pattern, Add</i>	57.46	
			<i>For Lexan Lattice Pattern, Add</i>	344.79	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	189.55	
			<i>For Staggered Brick Pattern, Add</i>	237.03	
08 33 26 00-0012	EA		8' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,066.77	200.89
			<i>For Staggered Brick Pattern, Add</i>	62.32	
			<i>For Lexan Lattice Pattern, Add</i>	373.94	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	252.72	
			<i>For Staggered Brick Pattern, Add</i>	299.78	
08 33 26 00-0013	EA		12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,702.93	200.89
			<i>For Staggered Brick Pattern, Add</i>	78.23	
			<i>For Lexan Lattice Pattern, Add</i>	469.37	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	379.15	
			<i>For Staggered Brick Pattern, Add</i>	425.26	
08 33 26 00-0014	EA		16' x 6', Steel Overhead Coiling Grilles, Manual Lift	5,024.03	301.25
			<i>For Staggered Brick Pattern, Add</i>	104.08	
			<i>For Lexan Lattice Pattern, Add</i>	624.50	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	505.54	
			<i>For Staggered Brick Pattern, Add</i>	585.43	
08 33 26 00-0015	EA		20' x 6', Steel Overhead Coiling Grilles, Manual Lift	6,342.06	401.53
			<i>For Staggered Brick Pattern, Add</i>	129.94	
			<i>For Lexan Lattice Pattern, Add</i>	779.62	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	631.93	
			<i>For Staggered Brick Pattern, Add</i>	745.60	
08 33 26 00-0016	EA		24' x 6', Steel Overhead Coiling Grilles, Manual Lift	7,951.25	482.01
			<i>For Staggered Brick Pattern, Add</i>	164.30	
			<i>For Lexan Lattice Pattern, Add</i>	985.78	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	758.30	
			<i>For Staggered Brick Pattern, Add</i>	859.52	
08 33 26 00-0017	EA		30' x 6', Steel Overhead Coiling Grilles, Manual Lift	9,583.91	602.51
			<i>For Staggered Brick Pattern, Add</i>	196.56	
			<i>For Lexan Lattice Pattern, Add</i>	1,179.37	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	882.87	
			<i>For Staggered Brick Pattern, Add</i>	963.58	
08 33 26 00-0018	EA		4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,747.06	180.75
			<i>For Staggered Brick Pattern, Add</i>	55.78	
			<i>For Lexan Lattice Pattern, Add</i>	334.66	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	168.51	
			<i>For Staggered Brick Pattern, Add</i>	228.11	
08 33 26 00-0019	EA		6' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,145.14	180.75
			<i>For Staggered Brick Pattern, Add</i>	65.73	
			<i>For Lexan Lattice Pattern, Add</i>	394.37	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	252.78	
			<i>For Staggered Brick Pattern, Add</i>	308.93	
08 33 26 00-0020	EA		8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,773.59	225.94
			<i>For Staggered Brick Pattern, Add</i>	78.19	
			<i>For Lexan Lattice Pattern, Add</i>	469.11	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	337.03	
			<i>For Staggered Brick Pattern, Add</i>	389.75	
08 33 26 00-0021	EA		12' x 8', Steel Overhead Coiling Grilles, Manual Lift	4,347.69	225.94
			<i>For Staggered Brick Pattern, Add</i>	92.54	
			<i>For Lexan Lattice Pattern, Add</i>	555.23	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	436.11	
			<i>For Staggered Brick Pattern, Add</i>	551.39	
08 33 26 00-0022	EA		16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,917.73	361.51
			<i>For Staggered Brick Pattern, Add</i>	122.08	
			<i>For Lexan Lattice Pattern, Add</i>	732.48	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	674.05	
			<i>For Staggered Brick Pattern, Add</i>	777.58	
08 33 26 00-0023	EA		20' x 8', Steel Overhead Coiling Grilles, Manual Lift	7,353.43	451.88
			<i>For Staggered Brick Pattern, Add</i>	151.62	
			<i>For Lexan Lattice Pattern, Add</i>	909.74	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	842.56	
			<i>For Staggered Brick Pattern, Add</i>	1,003.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0024 EA 24' x 8', Steel Overhead Coiling Grilles, Manual Lift	9,304.54	542.26
For Staggered Brick Pattern, Add	193.91	
For Lexan Lattice Pattern, Add	1,163.47	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.08	
For Staggered Brick Pattern, Add	1,129.11	
08 33 26 00-0025 EA 30' x 8', Steel Overhead Coiling Grilles, Manual Lift	11,343.89	662.75
For Staggered Brick Pattern, Add	236.41	
For Lexan Lattice Pattern, Add	1,418.45	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,171.06	
For Staggered Brick Pattern, Add	1,231.44	
08 33 26 00-0026 EA 4' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,035.59	180.75
For Staggered Brick Pattern, Add	62.99	
For Lexan Lattice Pattern, Add	377.94	
For Aluminum With Clear Or Anodized Bronze Finish, Add	210.64	
For Staggered Brick Pattern, Add	271.00	
08 33 26 00-0027 EA 6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,563.18	180.75
For Staggered Brick Pattern, Add	76.18	
For Lexan Lattice Pattern, Add	457.07	
For Aluminum With Clear Or Anodized Bronze Finish, Add	315.95	
For Staggered Brick Pattern, Add	384.83	
08 33 26 00-0028 EA 8' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,237.95	225.94
For Staggered Brick Pattern, Add	89.84	
For Lexan Lattice Pattern, Add	539.05	
For Aluminum With Clear Or Anodized Bronze Finish, Add	421.29	
For Staggered Brick Pattern, Add	498.66	
08 33 26 00-0029 EA 12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,956.93	225.94
For Staggered Brick Pattern, Add	107.82	
For Lexan Lattice Pattern, Add	646.90	
For Aluminum With Clear Or Anodized Bronze Finish, Add	631.93	
For Staggered Brick Pattern, Add	726.33	
08 33 26 00-0030 EA 16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,716.83	361.51
For Staggered Brick Pattern, Add	142.06	
For Lexan Lattice Pattern, Add	852.35	
For Aluminum With Clear Or Anodized Bronze Finish, Add	842.56	
For Staggered Brick Pattern, Add	1,001.51	
08 33 26 00-0031 EA 20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,340.43	451.88
For Staggered Brick Pattern, Add	176.30	
For Lexan Lattice Pattern, Add	1,057.79	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,053.20	
For Staggered Brick Pattern, Add	1,276.68	
08 33 26 00-0032 EA 24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,497.04	542.26
For Staggered Brick Pattern, Add	223.72	
For Lexan Lattice Pattern, Add	1,342.35	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,264.00	
For Staggered Brick Pattern, Add	1,478.50	
08 33 26 00-0033 EA 30' x 10', Steel Overhead Coiling Grilles, Manual Lift	13,185.24	662.75
For Staggered Brick Pattern, Add	282.44	
For Lexan Lattice Pattern, Add	1,694.66	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,479.96	
For Staggered Brick Pattern, Add	1,656.25	
08 33 26 00-0034 EA 4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,366.01	180.75
For Staggered Brick Pattern, Add	71.25	
For Lexan Lattice Pattern, Add	427.50	
For Aluminum With Clear Or Anodized Bronze Finish, Add	252.78	
For Staggered Brick Pattern, Add	313.26	
08 33 26 00-0035 EA 6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,461.65	180.75
For Staggered Brick Pattern, Add	73.64	
For Lexan Lattice Pattern, Add	441.84	
For Aluminum With Clear Or Anodized Bronze Finish, Add	379.15	
For Staggered Brick Pattern, Add	459.46	
08 33 26 00-0036 EA 8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,207.94	225.94
For Staggered Brick Pattern, Add	89.04	
For Lexan Lattice Pattern, Add	534.26	
For Aluminum With Clear Or Anodized Bronze Finish, Add	505.53	
For Staggered Brick Pattern, Add	605.66	
08 33 26 00-0037 EA 12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,645.67	225.94
For Staggered Brick Pattern, Add	124.99	
For Lexan Lattice Pattern, Add	749.92	
For Aluminum With Clear Or Anodized Bronze Finish, Add	758.28	
For Staggered Brick Pattern, Add	898.06	
08 33 26 00-0038 EA 16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,846.44	361.51
For Staggered Brick Pattern, Add	170.30	
For Lexan Lattice Pattern, Add	1,021.79	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.07	
For Staggered Brick Pattern, Add	1,248.56	
08 33 26 00-0039 EA 20' x 12', Steel Overhead Coiling Grilles, Manual Lift	9,912.86	451.88
For Staggered Brick Pattern, Add	215.61	
For Lexan Lattice Pattern, Add	1,293.65	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,263.84	
For Staggered Brick Pattern, Add	1,599.06	
08 33 26 00-0040 EA 24' x 12', Steel Overhead Coiling Grilles, Manual Lift	12,025.17	542.26
For Staggered Brick Pattern, Add	261.93	
For Lexan Lattice Pattern, Add	1,571.57	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,516.62	
For Staggered Brick Pattern, Add	1,690.79	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0041	EA		30' x 12', Steel Overhead Coiling Grilles, Manual Lift	15,004.51	662.75
			For Staggered Brick Pattern, Add	327.92	
			For Lexan Lattice Pattern, Add	1,967.55	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,757.53	
			For Staggered Brick Pattern, Add	1,842.13	
08 33 26 00-0042	EA		4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,956.98	180.75
			For Staggered Brick Pattern, Add	86.02	
			For Lexan Lattice Pattern, Add	516.14	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	294.78	
			For Staggered Brick Pattern, Add	579.41	
08 33 26 00-0043	EA		6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,602.22	180.75
			For Staggered Brick Pattern, Add	102.16	
			For Lexan Lattice Pattern, Add	612.93	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	442.27	
			For Staggered Brick Pattern, Add	711.45	
08 33 26 00-0044	EA		8' x 14', Steel Overhead Coiling Grilles, Manual Lift	5,382.79	225.94
			For Staggered Brick Pattern, Add	118.46	
			For Lexan Lattice Pattern, Add	710.78	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	589.74	
			For Staggered Brick Pattern, Add	828.42	
08 33 26 00-0045	EA		12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,738.21	225.94
			For Staggered Brick Pattern, Add	152.35	
			For Lexan Lattice Pattern, Add	914.09	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	884.69	
			For Staggered Brick Pattern, Add	1,050.50	
08 33 26 00-0046	EA		16' x 14', Steel Overhead Coiling Grilles, Manual Lift	8,973.49	361.51
			For Staggered Brick Pattern, Add	198.47	
			For Lexan Lattice Pattern, Add	1,190.85	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,179.59	
			For Staggered Brick Pattern, Add	1,405.38	
08 33 26 00-0047	EA		20' x 14', Steel Overhead Coiling Grilles, Manual Lift	11,072.51	451.88
			For Staggered Brick Pattern, Add	244.60	
			For Lexan Lattice Pattern, Add	1,467.60	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,474.48	
			For Staggered Brick Pattern, Add	1,760.26	
08 33 26 00-0048	EA		24' x 14', Steel Overhead Coiling Grilles, Manual Lift	13,229.18	542.26
			For Staggered Brick Pattern, Add	292.03	
			For Lexan Lattice Pattern, Add	1,752.17	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,769.38	
			For Staggered Brick Pattern, Add	1,996.33	
08 33 26 00-0049	EA		30' x 14', Steel Overhead Coiling Grilles, Manual Lift	16,965.97	662.75
			For Staggered Brick Pattern, Add	376.96	
			For Lexan Lattice Pattern, Add	2,261.76	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	2,088.77	
			For Staggered Brick Pattern, Add	2,280.90	
08 33 26 00-0050			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051	EA		Add For Motor Operator.....	1,681.32	36.58
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 26 00-0052	LF		For Safety Edge Bottom Bar, Electric, Add.....	49.29	
08 33 26 00-0053	LF		For Overhead Framed Rolling Grille Supports.....	74.03	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Steel Side Coiling Grilles, Manually Operated	5,652.05	505.42
			For Staggered Brick Pattern, Add	105.20	
			For Lexan Lattice Pattern, Add	631.18	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	505.54	
			For Staggered Brick Pattern, Add	551.39	
08 33 36 00-0003	EA		18' x 8', Steel Side Coiling Grilles, Manually Operated	8,033.27	649.25
			For Staggered Brick Pattern, Add	154.46	
			For Lexan Lattice Pattern, Add	926.74	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	775.45	
			For Staggered Brick Pattern, Add	883.14	
08 33 36 00-0004	EA		24' x 8', Steel Side Coiling Grilles, Manually Operated	10,453.66	818.63
			For Staggered Brick Pattern, Add	202.87	
			For Lexan Lattice Pattern, Add	1,217.21	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.08	
			For Staggered Brick Pattern, Add	1,129.11	
08 33 36 00-0005	EA		30' x 8', Steel Side Coiling Grilles, Manually Operated	12,726.63	903.76
			For Staggered Brick Pattern, Add	253.59	
			For Lexan Lattice Pattern, Add	1,521.51	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,171.06	
			For Staggered Brick Pattern, Add	1,231.44	
08 33 36 00-0006	EA		12' x 10', Steel Side Coiling Grilles, Manually Operated	6,902.51	576.26
			For Staggered Brick Pattern, Add	131.40	
			For Lexan Lattice Pattern, Add	788.42	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	631.93	
			For Staggered Brick Pattern, Add	726.33	



Openings	08
Specialty Doors And Frames	08 30
Coiling Doors And Grilles	08 33

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0007 EA 18' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,843.29 193.19 1,159.12 930.66 1,102.92	740.14
08 33 36 00-0008 EA 24' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,625.43 248.98 1,493.85 1,264.00 1,478.50	932.93
08 33 36 00-0009 EA 30' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,631.38 316.89 1,901.34 1,479.96 1,656.25	1,030.28
08 33 36 00-0010 EA 12' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,164.21 157.73 946.38 758.28 898.06	649.25
08 33 36 00-0011 EA 18' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,649.09 231.45 1,388.73 1,119.61 1,369.30	833.87
08 33 36 00-0012 EA 24' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,160.74 304.30 1,825.82 1,516.62 1,690.79	1,051.37
08 33 36 00-0013 EA 30' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	18,530.71 380.38 2,282.27 1,757.53 1,842.13	1,159.82
08 33 36 00-0014 EA 12' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,426.38 184.43 1,106.56 884.69 1,050.50	717.84
08 33 36 00-0015 EA 18' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,463.91 270.18 1,621.10 1,279.58 1,521.39	921.83
08 33 36 00-0016 EA 24' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	17,511.27 355.02 2,130.12 1,769.38 1,996.33	1,162.23
08 33 36 00-0017 EA 30' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	21,407.55 443.54 2,661.27 2,088.77 2,280.90	1,283.34

08 33 39 High Speed Doors (08 33)

08 33 39 00-0001	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39) <i>Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.</i>	
08 33 39 00-0002	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0001)	
08 33 39 00-0003	6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)	
08 33 39 00-0004	EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	8,899.83 349.01
08 33 39 00-0005	EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,048.84 363.84
08 33 39 00-0006	EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,228.44 378.67
08 33 39 00-0007	EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,453.95 393.50
08 33 39 00-0008	EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,692.71 408.34
08 33 39 00-0009	EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,090.60 423.17
08 33 39 00-0010	EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,375.26 438.00
08 33 39 00-0011	7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)	
08 33 39 00-0012	EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,079.44 363.84
08 33 39 00-0013	EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,267.20 378.67
08 33 39 00-0014	EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,500.87 393.50
08 33 39 00-0015	EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,747.79 408.34
08 33 39 00-0016	EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,071.22 423.17

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 39 00-0017	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,459.92	438.00
08 33 39 00-0018	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,768.06	452.83
08 33 39 00-0019		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)			
08 33 39 00-0020	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,297.80	378.67
08 33 39 00-0021	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,530.45	393.50
08 33 39 00-0022	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,786.55	408.34
08 33 39 00-0023	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,119.16	423.17
08 33 39 00-0024	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,420.14	438.00
08 33 39 00-0025	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,842.52	452.83
08 33 39 00-0026	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,190.42	467.66
08 33 39 00-0027		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)			
08 33 39 00-0028	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,561.05	393.50
08 33 39 00-0029	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,816.13	408.34
08 33 39 00-0030	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,148.74	423.17
08 33 39 00-0031	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,458.90	438.00
08 33 39 00-0032	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,784.38	452.83
08 33 39 00-0033	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,122.08	467.66
08 33 39 00-0034	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,491.40	482.50
08 33 39 00-0035		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)			
08 33 39 00-0036	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		9,840.61	408.34
08 33 39 00-0037	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,179.34	423.17
08 33 39 00-0038	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,487.46	438.00
08 33 39 00-0039	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,814.98	452.83
08 33 39 00-0040	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,178.18	467.66
08 33 39 00-0041	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,551.58	482.50
08 33 39 00-0042	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,869.91	497.33
08 33 39 00-0043		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)			
08 33 39 00-0044	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,197.70	423.17
08 33 39 00-0045	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,512.96	438.00
08 33 39 00-0046	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,844.56	452.83
08 33 39 00-0047	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,208.78	467.66
08 33 39 00-0048	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,449.58	482.50
08 33 39 00-0049	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,920.91	497.33
08 33 39 00-0050	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,307.57	512.16
08 33 39 00-0051		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)			
08 33 39 00-0052	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,521.12	438.00
08 33 39 00-0053	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		10,861.90	452.83
08 33 39 00-0054	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,232.24	467.66
08 33 39 00-0055	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,482.22	482.50
08 33 39 00-0056	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,807.69	497.33
08 33 39 00-0057	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,350.41	512.16
08 33 39 00-0058	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,729.94	527.00
08 33 39 00-0059		Rytec® PredaDoor® Door Options (08 33 39 00-0001)			
08 33 39 00-0060	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....		306.00	87.25
08 33 39 00-0061	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....		510.00	87.25
08 33 39 00-0062	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....		7.65	
08 33 39 00-0063		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 0063) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.			
08 33 39 00-0064		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)			
08 33 39 00-0065		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)			
08 33 39 00-0066	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....		13,096.28	523.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0067 EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	13,694.08	538.34
08 33 39 00-0068 EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,213.35	553.17
08 33 39 00-0069 EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,773.41	568.01
08 33 39 00-0070 EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,407.94	582.84
08 33 39 00-0071 EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,739.52	597.68
08 33 39 00-0072 EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,258.79	612.51
08 33 39 00-0073 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0074 EA 9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	13,694.08	538.34
08 33 39 00-0075 EA 9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,213.35	553.17
08 33 39 00-0076 EA 9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,773.41	568.01
08 33 39 00-0077 EA 9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,407.94	582.84
08 33 39 00-0078 EA 9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,739.52	597.68
08 33 39 00-0079 EA 9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,258.79	612.51
08 33 39 00-0080 EA 9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,931.05	627.34
08 33 39 00-0081 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0082 EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,213.35	553.17
08 33 39 00-0083 EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,773.41	568.01
08 33 39 00-0084 EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,407.94	582.84
08 33 39 00-0085 EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,739.52	597.68
08 33 39 00-0086 EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,258.79	612.51
08 33 39 00-0087 EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,931.05	627.34
08 33 39 00-0088 EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,565.59	642.17
08 33 39 00-0089 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0090 EA 11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,773.41	568.01
08 33 39 00-0091 EA 11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,407.94	582.84
08 33 39 00-0092 EA 11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,739.52	597.68
08 33 39 00-0093 EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,258.79	612.51
08 33 39 00-0094 EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,931.05	627.34
08 33 39 00-0095 EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,565.59	642.17
08 33 39 00-0096 EA 11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,274.57	657.01
08 33 39 00-0097 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0098 EA 12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,407.94	582.84
08 33 39 00-0099 EA 12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,739.52	597.68
08 33 39 00-0100 EA 12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,258.79	612.51
08 33 39 00-0101 EA 12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,931.05	627.34
08 33 39 00-0102 EA 12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,565.59	642.17
08 33 39 00-0103 EA 12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,274.57	657.01
08 33 39 00-0104 EA 12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,783.64	671.84
08 33 39 00-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0106 EA 13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,128.14	597.68
08 33 39 00-0107 EA 13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,794.29	612.51
08 33 39 00-0108 EA 13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,425.75	627.34
08 33 39 00-0109 EA 13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,160.25	642.17
08 33 39 00-0110 EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,891.67	657.01
08 33 39 00-0111 EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,433.38	671.84
08 33 39 00-0112 EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,843.50	686.67
08 33 39 00-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0114 EA 14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,794.29	612.51
08 33 39 00-0115 EA 14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,425.75	627.34
08 33 39 00-0116 EA 14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,160.25	642.17
08 33 39 00-0117 EA 14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,891.67	657.01
08 33 39 00-0118 EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,433.38	671.84
08 33 39 00-0119 EA 14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,843.50	686.67
08 33 39 00-0120 EA 14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,455.58	701.50
08 33 39 00-0121 Rytec® Fast-Seal® Door Options (08 33 39 00-0063)		
08 33 39 00-0122 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	30.60	
Note: Multiply linear foot price x width of door.		
08 33 39 00-0123 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	306.00	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0124 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	510.00	
08 33 39 00-0125 EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	750.00	
08 33 39 00-0126 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	193.80	
08 33 39 00-0127 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	382.50	
Note: Door must be at least 90" wide.		
08 33 39 00-0128 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	484.50	
Note: Door must be at least 102" wide.		
08 33 39 00-0129 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	765.00	
Note: Door must be at least 136" wide.		
08 33 39 00-0130 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	224.40	
08 33 39 00-0131 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	443.70	
Note: Door must be at least 108" wide.		
08 33 39 00-0132 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	550.80	
Note: Door must be at least 144" wide.		
08 33 39 00-0133 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	887.40	
Note: Door must be at least 192" wide.		
08 33 39 00-0134 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39)</small>		
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 39 00-0135 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39 00-0134)</small>		
08 33 39 00-0136 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0137 EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	18,656.47	698.01
08 33 39 00-0138 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,197.15	712.85
08 33 39 00-0139 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,737.84	727.68
08 33 39 00-0140 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,278.52	742.51
08 33 39 00-0141 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,819.21	757.34
08 33 39 00-0142 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,359.89	772.17
08 33 39 00-0143 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,921.59	787.01
08 33 39 00-0144 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0145 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,197.15	712.85
08 33 39 00-0146 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,737.84	727.68
08 33 39 00-0147 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,278.52	742.51
08 33 39 00-0148 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,819.21	757.34
08 33 39 00-0149 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,359.89	772.17
08 33 39 00-0150 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,900.57	787.01
08 33 39 00-0151 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,462.28	801.84
08 33 39 00-0152 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0153 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	19,737.84	727.68
08 33 39 00-0154 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,278.52	742.51
08 33 39 00-0155 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,819.21	757.34
08 33 39 00-0156 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,359.89	772.17
08 33 39 00-0157 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,900.57	787.01
08 33 39 00-0158 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,441.26	801.84
08 33 39 00-0159 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,002.96	816.67
08 33 39 00-0160 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0161 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,278.52	742.51
08 33 39 00-0162 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,819.21	757.34
08 33 39 00-0163 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,359.89	772.17
08 33 39 00-0164 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,900.57	787.01
08 33 39 00-0165 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,441.26	801.84
08 33 39 00-0166 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,981.94	816.67
08 33 39 00-0167 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,542.64	831.50
08 33 39 00-0168 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0169 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	20,819.21	757.34
08 33 39 00-0170 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	21,359.89	772.17
08 33 39 00-0171 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	21,900.57	787.01
08 33 39 00-0172 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,441.26	801.84
08 33 39 00-0173 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,981.94	816.67
08 33 39 00-0174 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,522.64	831.50
08 33 39 00-0175 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,084.34	846.34
08 33 39 00-0176 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)		
08 33 39 00-0177 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	21,359.89	772.17
08 33 39 00-0178 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	21,900.57	787.01
08 33 39 00-0179 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,441.26	801.84
08 33 39 00-0180 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,981.94	816.67
08 33 39 00-0181 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,522.64	831.50
08 33 39 00-0182 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,063.32	846.34
08 33 39 00-0183 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,625.03	861.17
08 33 39 00-0184 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)		
08 33 39 00-0185 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,921.59	787.01
08 33 39 00-0186 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,462.28	801.84
08 33 39 00-0187 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,002.96	816.67
08 33 39 00-0188 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,542.64	831.50
08 33 39 00-0189 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,084.34	846.34
08 33 39 00-0190 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,625.03	861.17
08 33 39 00-0191 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,160.61	876.00
08 33 39 00-0192 Rytec® Spiral® Door Options (08 33 39 00-0134)		
08 33 39 00-0193 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	306.00	
Note: Per door price.		
08 33 39 00-0194 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	204.00	
Note: Maximum of 4 per door.		
08 33 39 00-0195 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	306.00	
Note: Maximum of 4 per door.		
08 33 39 00-0196 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	597.25	43.63
08 33 39 00-0197 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	1,704.50	87.25
08 33 39 00-0198 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,030.50	87.25
08 33 39 00-0199 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,438.50	87.25
08 33 39 00-0200 Activation And Control Box Options For High Speed Doors (08 33 39)		
08 33 39 00-0201 EA Pull Cord For High-Speed Rolling Doors.....	163.75	43.63
08 33 39 00-0202 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	120.13	21.81
08 33 39 00-0203 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	145.63	21.81
08 33 39 00-0204 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	155.83	21.81
08 33 39 00-0205 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	273.13	21.81
08 33 39 00-0206 EA Radio Control For High-Speed Rolling Doors.....	436.88	39.26
Note: Includes one receiver and two transmitters.		
08 33 39 00-0207 EA Floor Loop For High-Speed Rolling Doors.....	761.00	
Note: Excludes sealant.		
08 33 39 00-0208 EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	380.88	39.26
08 33 39 00-0209 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	487.88	39.26
08 33 39 00-0210 EA Motion Detector For High-Speed Rolling Doors.....	409.35	26.18
08 33 39 00-0211 EA Remote Warning Horn For High-Speed Rolling Doors.....	291.25	43.63
Note: Includes wall box and mounting hardware.		
08 33 39 00-0212 EA Remote Strobe Light For High-Speed Rolling Doors.....	393.25	43.63
Note: Includes wall box and mounting hardware.		
08 33 39 00-0213 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	444.25	43.63
Note: Includes wall box and mounting hardware.		
08 33 39 00-0214 EA Red And Green Red Light For High-Speed Rolling Doors.....	546.25	43.63
Note: Includes mounting hardware.		
08 33 43 Overhead Coiling Smoke Curtains (08 33)		
08 33 43 00-0001 Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	8,069.62	505.42
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	8,350.09	505.42
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	8,630.57	505.42
08 34 Special Function Doors (08 34)		
08 34 13 Cold Storage Doors (08 34)		
08 34 13 00-0001 Vertical Sliding Doors (08 34 13)		
Note: Doors to be filled with 4" F.I.P. polyurethane.		

08 Openings**08 30 Specialty Doors And Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	6,310.35	852.77
			<i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	<i>425.56</i>	
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" F.I.P. Polyurethane.....	8,093.37	1,082.62
			<i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	<i>541.31</i>	
08 34 13 00-0004			Horizontal Sliding Doors <small>(08 34 13)</small>		
			Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	5,068.31	681.07
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	5,712.56	768.01
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	7,387.34	1,012.14
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	4,423.25	618.82
08 34 13 00-0009			Horizontal Hinge Type <small>(08 34 13)</small>		
			Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" F.I.P. Polyurethane.....	2,985.67	402.52
08 34 16			Hangar Doors <small>(08 34)</small>		
08 34 16 00-0001	SF		70' To 120' Wide X To 20' High Hanger Door 25' Panels.....	39.61	13.47
			Note: Includes motorized opener and special hardware.		
08 34 16 00-0002	SF		120' To 180' Wide X To 20' High Hanger Door 25' Panels.....	36.43	13.47
			Note: Includes motorized opener and special hardware.		
08 34 16 00-0003	SF		120' To 180' Wide X 20-40' High Hanger Door 25' Panels.....	34.36	2.88
			Note: Includes motorized opener and special hardware.		
08 34 16 00-0004	SF		120' To 180' Wide X 40-60' High Hanger Door 25' Panels.....	33.61	1.93
			Note: Includes motorized opener and special hardware.		
08 34 16 00-0005	SF		120' To 180' Wide X 60-80' High Hanger Door 25' Panels.....	34.50	1.93
			Note: Includes motorized opener and special hardware.		
08 34 16 00-0006	SF		120' To 180' Wide x >80' High Hanger Door 25' Panels.....	52.29	1.93
			Note: Includes motorized opener and special hardware.		
08 34 23			Sidewalk and Basement Doors <small>(08 34)</small>		
08 34 23 00-0001			Drainage Doors <small>(08 34 23)</small>		
08 34 23 00-0002			Single Leaf Aluminum Drainage Doors <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J Series.		
08 34 23 00-0003	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	991.67	155.40
08 34 23 00-0004	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,218.92	162.37
08 34 23 00-0005	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,294.27	165.86
08 34 23 00-0006	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,427.01	169.35
08 34 23 00-0007	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,663.25	178.08
08 34 23 00-0008	EA		2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,695.40	173.98
08 34 23 00-0009	EA		3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,886.39	178.08
08 34 23 00-0010	EA		2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,969.02	182.18
08 34 23 00-0011	EA		3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,160.02	186.29
08 34 23 00-0012	EA		3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,507.26	196.75
08 34 23 00-0013			Double Leaf Aluminum Drainage Doors <small>(08 34 23 00-0001)</small>		
			Note: Bilco - JD Series.		
08 34 23 00-0014	EA		4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,014.18	173.98
08 34 23 00-0015	EA		4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,115.39	186.29
08 34 23 00-0016	EA		4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,682.36	207.22
08 34 23 00-0017	EA		5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,758.87	207.22
08 34 23 00-0018			Single Leaf Aluminum H2O Drainage Doors <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA		2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,584.60	155.40
08 34 23 00-0020	EA		2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,850.10	162.37
08 34 23 00-0021	EA		3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,014.74	165.86
08 34 23 00-0022	EA		3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,281.37	169.35
08 34 23 00-0023	EA		3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,638.74	178.08
08 34 23 00-0024			Double Leaf Aluminum H2O Drainage Doors <small>(08 34 23 00-0001)</small>		
			Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA		4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O).....	2,638.99	173.98
08 34 23 00-0026	EA		4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O).....	3,530.78	186.29
08 34 23 00-0027	EA		4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O).....	5,022.21	207.22
08 34 23 00-0028	EA		5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O).....	4,728.93	207.22
08 34 23 00-0029			Single Leaf Steel Drainage Doors <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J Series.		
08 34 23 00-0030	EA		2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1).....	1,129.54	155.40
08 34 23 00-0031	EA		2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2).....	1,186.51	162.37
08 34 23 00-0032	EA		3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3).....	1,317.91	165.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0033 EA 3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4).....	1,455.97	169.35
08 34 23 00-0034 EA 3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5).....	1,688.22	178.08
08 34 23 00-0035 EA 2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6).....	1,609.06	173.98
08 34 23 00-0036 EA 3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7).....	1,827.68	178.08
08 34 23 00-0037 EA 2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8).....	1,820.52	182.18
08 34 23 00-0038 EA 3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9).....	2,025.87	186.29
08 34 23 00-0039 EA 3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10).....	2,161.12	196.75
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD Series.		
08 34 23 00-0041 EA 4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1).....	1,967.69	173.98
08 34 23 00-0042 EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2).....	2,065.72	186.29
08 34 23 00-0043 EA 4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3).....	2,568.66	207.22
08 34 23 00-0044 EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4).....	2,641.72	207.22
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - J H2O Series.		
08 34 23 00-0046 EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O).....	1,899.92	155.40
08 34 23 00-0047 EA 2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O).....	2,010.02	162.37
08 34 23 00-0048 EA 3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O).....	2,081.68	165.86
08 34 23 00-0049 EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O).....	2,445.54	169.35
08 34 23 00-0050 EA 3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O).....	2,877.03	178.08
08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD H2O Series.		
08 34 23 00-0052 EA 4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O).....	3,163.12	173.98
08 34 23 00-0053 EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O).....	3,533.43	186.29
08 34 23 00-0054 EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O).....	5,231.81	207.22
08 34 23 00-0055 EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O).....	5,098.98	207.22
08 34 23 00-0056 Single Leaf Aluminum Drainage Door (08 34 23 00-0001)		
Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR).....	948.87	155.40
08 34 23 00-0058 EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR).....	1,116.78	162.37
08 34 23 00-0059 EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR).....	1,181.76	165.86
08 34 23 00-0060 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR).....	1,247.89	169.35
08 34 23 00-0061 EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR).....	1,405.77	178.08
08 34 23 00-0062 Non-Drainage Doors (08 34 23)		
08 34 23 00-0063 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - Q Series.		
08 34 23 00-0064 EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL).....	953.48	155.40
08 34 23 00-0065 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL).....	1,155.16	162.37
08 34 23 00-0066 EA 2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL).....	1,236.94	165.86
08 34 23 00-0067 EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL).....	1,286.78	169.35
08 34 23 00-0068 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL).....	1,618.62	178.08
08 34 23 00-0069 EA 2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL).....	1,459.53	173.98
08 34 23 00-0070 EA 3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL).....	1,631.37	178.08
08 34 23 00-0071 EA 2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL).....	1,828.66	182.18
08 34 23 00-0072 EA 3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL).....	1,936.95	186.29
08 34 23 00-0073 EA 3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL).....	2,201.47	196.75
08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - K Series.		
08 34 23 00-0075 EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1).....	781.34	155.40
08 34 23 00-0076 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2).....	938.39	162.37
08 34 23 00-0077 EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3).....	1,039.29	165.86
08 34 23 00-0078 EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4).....	1,108.26	169.35
08 34 23 00-0079 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5).....	1,287.09	178.08
08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - QD Series.		
08 34 23 00-0081 EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL).....	1,854.82	173.98
08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - KD Series.		
08 34 23 00-0083 EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,777.56	186.29
08 34 23 00-0084 EA 4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3).....	2,497.56	207.22
08 34 23 00-0085 EA 5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4).....	2,548.57	207.22
08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - T Series.		

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0087 EA 2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1).....	857.85	155.40
08 34 23 00-0088 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2).....	1,002.15	162.37
08 34 23 00-0089 EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3).....	1,071.17	165.86
08 34 23 00-0090 EA 3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4).....	1,172.02	169.35
08 34 23 00-0091 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5).....	1,369.97	178.08
08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - TD Series.		
08 34 23 00-0093 EA 4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2).....	1,885.94	186.29
08 34 23 00-0094 EA 4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3).....	2,631.45	207.22
08 34 23 00-0095 EA 5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4).....	2,669.70	207.22
08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - Q Series.		
08 34 23 00-0097 EA 2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1).....	784.26	155.40
08 34 23 00-0098 EA 2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2).....	874.37	162.37
08 34 23 00-0099 EA 3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3).....	979.26	165.86
08 34 23 00-0100 EA 3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4).....	1,037.60	169.35
08 34 23 00-0101 EA 3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5).....	1,219.04	178.08
08 34 23 00-0102 EA 2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,177.06	169.35
08 34 23 00-0103 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - QD Series.		
08 34 23 00-0104 EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1).....	1,549.29	173.98
08 34 23 00-0105 Basement Doors (08 34 23)		
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106 EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,098.26	196.32
08 34 23 00-0107 EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	901.89	148.77
08 34 23 00-0108 EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	940.87	163.60
08 34 23 00-0109 EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	1,005.20	174.50
08 34 23 00-0110 EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	1,113.91	196.32
08 34 49 Radiation Shielding Doors And Frames (08 34)		
08 34 49 13 Neutron Shielding Doors And Frames (08 34 49)		
08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002 SF 1/16" Thick Laminated Lead In Wood Door.....	45.73	8.72
08 34 49 13-0003 SF 1/8" Thick Laminated Lead In Wood Door.....	52.91	8.72
08 34 49 13-0004 LF 1/16" Thick Lead Lined Door Frame.....	45.59	8.72
08 34 49 13-0005 LF 1/8" Thick Lead Lined Door Frame.....	47.98	8.72
08 34 53 Security Doors And Frames (08 34)		
08 34 53 00-0001 Metal Security Doors, Bullet Resistant (08 34 53)		
Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002 SF Metal Security Door.....	44.18	7.06
08 34 53 00-0003 EA Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door.....	1,782.49	352.47
08 34 53 00-0004 EA Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	2,092.10	374.16
08 34 53 00-0005 Metal Security Doors (08 34 53)		
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	660.38	64.56
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	660.38	64.56
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	926.03	64.56
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56 Security Gates (08 34)		
08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56)		
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002 EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	770.27	165.98
08 34 56 00-0003 EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	864.90	186.72
08 34 56 00-0004 EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	932.96	207.47
08 34 56 00-0005 EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,027.57	228.22
08 34 56 00-0006 EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	867.29	168.05
08 34 56 00-0007 EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	935.51	188.80
08 34 56 00-0008 EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,025.94	209.54
08 34 56 00-0009 EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,098.60	230.29
08 34 56 00-0010 EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	911.27	170.13



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	979.26		190.87
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,033.29		201.24
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,087.53		211.62
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,162.25		232.37
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	995.18		172.20
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,062.95		192.95
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,123.56		203.32
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,198.15		213.69
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,305.66		234.44
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,123.14		176.35
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,208.26		199.17
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,299.51		211.62
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,352.69		217.84
08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)					
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	524.60		116.18
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	559.45		120.33
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	594.31		124.48
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	637.49		132.78
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	667.36		141.08
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	559.33		120.33
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	594.36		124.48
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	629.23		128.63
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	672.37		136.93
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	702.43		145.23
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	607.47		124.48
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	642.51		128.63
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	677.32		132.78
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	720.59		141.08
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	763.94		149.37
08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)					
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	212.53		45.65
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	220.84		49.79
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	220.84		49.79
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	229.66		53.94
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	229.66		53.94
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	237.95		58.09
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	237.95		58.09
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	246.25		62.24
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	246.25		62.24
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	254.55		66.39
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	254.55		66.39
08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)					
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	262.85		70.54
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	264.47		70.54
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	274.93		74.69
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	285.37		78.84
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	287.52		78.84
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	297.98		82.98
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	300.13		82.98
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	309.91		87.13
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	312.73		87.13
08 34 63 Detention Doors And Frames (08 34)					
08 34 63 13 Steel Detention Doors And Frames (08 34 63)					
08 34 63 13-0001 Metal Frames (08 34 63 13)					
Note: Combination buck, jamb, and trim, fully seam welded.					
08 34 63 13-0002 Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4"					
08 34 63 13-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	360.14		136.29
08 34 63 13-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	360.14		136.29
08 34 63 13-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	360.14		136.29
08 34 63 13-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	360.14		136.29
08 34 63 13-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	361.86		136.29
08 34 63 13-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	361.86		136.29
08 34 63 13-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	542.61		218.13
08 34 63 13-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29		136.29
08 34 63 13-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29		136.29
08 34 63 13-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29		136.29
08 34 63 13-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	370.43		136.29
08 34 63 13-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	461.32		181.75

08 Openings
08 30 Specialty Doors And Frames
08 34 Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 63 13-0015	EA		3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	461.32	181.75
08 34 63 13-0016	EA		6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	552.90	218.13
08 34 63 13-0017	EA		2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	365.29	136.29
08 34 63 13-0018	EA		2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0019	EA		2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0020	EA		2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0021	EA		3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	367.00	136.29
08 34 63 13-0022	EA		3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	367.00	136.29
08 34 63 13-0023	EA		6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	547.76	218.13
08 34 63 13-0024			Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" ^(08 34 63 13-0001)		
08 34 63 13-0025	EA		2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	365.29	136.29
08 34 63 13-0026	EA		2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0027	EA		2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0028	EA		2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0029	EA		3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	368.72	136.29
08 34 63 13-0030	EA		3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	368.72	136.29
08 34 63 13-0031	EA		6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	547.75	218.13
08 34 63 13-0032	EA		2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	365.29	136.29
08 34 63 13-0033	EA		2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	365.29	136.29
08 34 63 13-0034	EA		2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	370.43	136.29
08 34 63 13-0035	EA		2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	370.43	136.29
08 34 63 13-0036	EA		3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	461.32	181.75
08 34 63 13-0037	EA		3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	461.32	181.75
08 34 63 13-0038	EA		6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	638.21	242.21
08 34 63 13-0039	EA		2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	370.43	136.29
08 34 63 13-0040	EA		2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	370.43	136.29
08 34 63 13-0041	EA		2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	370.43	136.29
08 34 63 13-0042	EA		2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	370.43	136.29
08 34 63 13-0043	EA		3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	372.15	136.29
08 34 63 13-0044	EA		3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	372.15	136.29
08 34 63 13-0045	EA		6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door	552.90	218.13
08 34 63 13-0046			Metal Doors ^(08 34 63 13)		
			Note: Flush type reinforced with stiffeners.		
08 34 63 13-0047			10 Gauge 1-3/4" Door ^(08 34 63 13-0046)		
08 34 63 13-0048	EA		2' x 6'-8" x 1-3/4" 10 Gauge Metal Door	377.48	48.43
08 34 63 13-0049	EA		2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	381.49	48.43
08 34 63 13-0050	EA		2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Door	385.49	48.43
08 34 63 13-0051	EA		2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Door	389.50	48.43
08 34 63 13-0052	EA		3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	393.51	48.43
08 34 63 13-0053	EA		3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	413.55	48.43
08 34 63 13-0054	EA		Pair 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	767.63	87.25
08 34 63 13-0055	EA		2' x 7' x 1-3/4" 10 Gauge Metal Door	402.40	48.43
08 34 63 13-0056	EA		2'-4" x 7' x 1-3/4" 10 Gauge Metal Door	406.57	48.43
08 34 63 13-0057	EA		2'-6" x 7' x 1-3/4" 10 Gauge Metal Door	409.19	48.43
08 34 63 13-0058	EA		2'-8" x 7' x 1-3/4" 10 Gauge Metal Door	445.69	48.43
08 34 63 13-0059	EA		3' x 7' x 1-3/4" 10 Gauge Metal Door	533.78	48.43
08 34 63 13-0060	EA		3'-4" x 7' x 1-3/4" 10 Gauge Metal Door	579.09	48.43
08 34 63 13-0061	EA		Pair 3' x 7' x 1-3/4" 10 Gauge Metal Door	854.65	87.25
08 34 63 13-0062	EA		2' x 7'-2" x 1-3/4" 10 Gauge Metal Door	391.50	48.43
08 34 63 13-0063	EA		2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	395.51	48.43
08 34 63 13-0064	EA		2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Door	399.52	48.43
08 34 63 13-0065	EA		2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Door	403.53	48.43
08 34 63 13-0066	EA		3' x 7'-2" x 1-3/4" 10 Gauge Metal Door	407.53	48.43
08 34 63 13-0067	EA		3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	427.57	48.43
08 34 63 13-0068	EA		Pair 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	795.69	87.25
08 34 63 13-0069			Pneumatic Door Operators ^(08 34 63 13)		
08 34 63 13-0070	EA		Pneumatic Cell Entry Door Operator With Hardware Set.....	3,094.33	
08 34 63 13-0071	EA		Pneumatic Special Housing Cell Door Operator With Hardware Set	3,373.61	
08 34 63 13-0072	EA		Pneumatic MS Cell Door Operator With Hardware Set.....	4,218.89	
08 34 63 13-0073	EA		Pneumatic Sally Port Door Operator With Hardware Set.....	4,961.27	
08 34 63 13-0074	EA		Pneumatic Corridor Door Operator With Hardware Set	6,044.47	
08 34 63 13-0075	EA		Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves.....	3,053.91	
08 34 63 13-0076			Prison Doors And Frame Assembly ^(08 34 63 13)		
08 34 63 13-0077	EA		2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Prison Security Doors And Frames	5,846.64	355.28
			Note: Complete, with hardware, single plate.		
			For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
08 34 63 13-0078	EA		2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Prison Security Doors And Frames	7,050.56	353.00
			Note: Complete, with hardware, double plate.		
			For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73	Sound Control Door Assemblies (08 34)		
08 34 73 00-0001	Acoustical Doors And Frames (08 34 73)		
08 34 73 00-0002	Steel Acoustical Doors And Frames (08 34 73 00-0001) Note: Includes seals.		
08 34 73 00-0003	Steel Acoustical Doors (08 34 73 00-0002) Note: Includes hinges.		
08 34 73 00-0004	EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3' x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,037.10 116.72 811.07 867.93	52.35
08 34 73 00-0005	EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3' x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,158.19 116.72 811.07 867.93	54.53
08 34 73 00-0006	EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated)..... For 60 Minutes Fire Rated, Add For 3' x 33" Vision Lite, Add For 20" x 64" Vision Lite, Add	2,283.63 116.72 811.07 867.93	58.90
08 34 73 00-0007	PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated) For 1 Hour Fire Rated, Add For 3' x 33" Windows, Add For 20" x 64" Windows, Add	4,063.72 233.44 1,622.14 1,735.86	99.47
08 34 73 00-0008	Steel Acoustical Door Frames (08 34 73 00-0002)		
08 34 73 00-0009	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,688.89	87.25
08 34 73 00-0010	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,731.79	87.25
08 34 73 00-0011	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,774.69	87.25
08 34 73 00-0012	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,817.59	87.25
08 34 73 00-0013	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,929.81	95.98
08 34 73 00-0014	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,977.70	95.98
08 34 73 00-0015	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,020.59	95.98
08 34 73 00-0016	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,073.80	95.98
08 34 73 00-0017	EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,172.97	100.34
08 34 73 00-0018	EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,215.87	100.34
08 34 73 00-0019	EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,258.77	100.34
08 34 73 00-0020	EA 4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,306.65	100.34
08 34 73 00-0021	EA 6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	3,816.30	113.43
08 34 73 00-0022	EA 6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	3,857.20	113.43
08 34 73 00-0023	EA 6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	3,901.10	113.43
08 34 73 00-0024	EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	3,945.99	113.43
08 34 73 00-0025	Wood Acoustical Door Systems, Prefinished (08 34 73 00-0001) Note: Includes the door, frame, hinges and seals.		
08 34 73 00-0026	EA 3' x 7', STC 41, Wood Acoustical Door System (Unrated).....	2,087.66	157.05
08 34 73 00-0027	EA 3' x 7', STC 49, Wood Acoustical Door System (Unrated).....	2,835.88	157.05
08 60	Roof Windows And Skylights (08) Note: Includes hardware, caulk, sealant and necessary anchors.		
08 63	Metal-Framed Skylights (08 63)		
08 63 00 00-0001	Aluminum Framed Skylights (08 63)		
08 63 00 00-0002	Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0001)		
08 63 00 00-0003	Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0002)		
08 63 00 00-0004	Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 00 00-0003) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0005	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	278.45	77.73
08 63 00 00-0006	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	313.45	77.73
08 63 00 00-0007	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	415.89	87.44
08 63 00 00-0008	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	469.31	97.16
08 63 00 00-0009	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	331.45	77.73
08 63 00 00-0010	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	402.89	87.44

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0011 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	424.89	87.44
08 63 00 00-0012 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	487.31	97.16
08 63 00 00-0013 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	564.75	106.87
08 63 00 00-0014 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	406.89	87.44
08 63 00 00-0015 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	450.31	97.16
08 63 00 00-0016 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	492.31	97.16
08 63 00 00-0017 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	541.75	106.87
08 63 00 00-0018 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	599.18	116.59
08 63 00 00-0019 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	671.61	126.31
08 63 00 00-0020 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	480.31	97.16
08 63 00 00-0021 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	528.75	106.87
08 63 00 00-0022 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	600.18	116.59
08 63 00 00-0023 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	626.18	116.59
08 63 00 00-0024 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	718.61	126.31
08 63 00 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0026 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	328.45	77.73
08 63 00 00-0027 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	362.45	77.73
08 63 00 00-0028 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	454.89	87.44
08 63 00 00-0029 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.31	97.16
08 63 00 00-0030 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	367.45	77.73
08 63 00 00-0031 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	430.89	87.44
08 63 00 00-0032 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	454.89	87.44
08 63 00 00-0033 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	521.31	97.16
08 63 00 00-0034 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	584.75	106.87
08 63 00 00-0035 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	434.89	87.44
08 63 00 00-0036 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	482.31	97.16
08 63 00 00-0037 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.31	97.16
08 63 00 00-0038 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	560.75	106.87
08 63 00 00-0039 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	609.18	116.59
08 63 00 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	682.61	126.31
08 63 00 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	513.31	97.16
08 63 00 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	564.75	106.87
08 63 00 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	621.18	116.59
08 63 00 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	649.18	116.59
08 63 00 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	733.61	126.31
08 63 00 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	332.45	77.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	370.45	77.73
08 63 00 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	465.89	87.44
08 63 00 00-0050 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	377.45	77.73
08 63 00 00-0051 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	444.89	87.44
08 63 00 00-0052 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	465.89	87.44
08 63 00 00-0053 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	533.31	97.16
08 63 00 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	443.89	87.44
08 63 00 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	490.31	97.16
08 63 00 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	522.31	97.16
08 63 00 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	573.75	106.87
08 63 00 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	625.18	116.59
08 63 00 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	525.31	97.16
08 63 00 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	580.75	106.87
08 63 00 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	637.18	116.59
08 63 00 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	665.18	116.59
08 63 00 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0003)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 00 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	339.45	77.73
08 63 00 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	381.45	77.73
08 63 00 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	475.89	87.44
08 63 00 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	545.31	97.16
08 63 00 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	387.45	77.73
08 63 00 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	453.89	87.44
08 63 00 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	475.89	87.44
08 63 00 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	548.31	97.16
08 63 00 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	454.89	87.44
08 63 00 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	501.31	97.16
08 63 00 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	536.31	97.16
08 63 00 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	588.75	106.87
08 63 00 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	641.18	116.59
08 63 00 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	540.31	97.16
08 63 00 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	595.75	106.87
08 63 00 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	653.18	116.59
08 63 00 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	683.18	116.59
08 63 00 00-0081 Curb Top Inserts <small>(08 63 00 00-0003)</small>		
<small>Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.</small>		
08 63 00 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	113.73	38.86
08 63 00 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	152.44	43.72
08 63 00 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	248.59	58.30
08 63 00 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	229.87	53.44
08 63 00 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	276.59	58.30

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0088			Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	154.73	38.86
08 63 00 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	231.44	43.72
08 63 00 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	391.59	58.30
08 63 00 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	381.87	53.44
08 63 00 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	474.59	58.30
08 63 00 00-0094			Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 00 00-0081)</small>		
08 63 00 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	194.73	38.86
08 63 00 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	306.44	43.72
08 63 00 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	567.59	58.30
08 63 00 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	523.87	53.44
08 63 00 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	658.59	58.30
08 63 00 00-0100			Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0002)</small>		
08 63 00 00-0101			Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0100)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	260.45	77.73
08 63 00 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	303.45	77.73
08 63 00 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	378.89	87.44
08 63 00 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	469.31	97.16
08 63 00 00-0106			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0100)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	338.45	77.73
08 63 00 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	383.45	77.73
08 63 00 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	451.89	87.44
08 63 00 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	536.31	97.16
08 63 00 00-0111			Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 00 00-0002)</small>		
08 63 00 00-0112			Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	297.45	77.73
08 63 00 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	385.89	87.44
08 63 00 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	453.31	97.16
08 63 00 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	364.89	87.44
08 63 00 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	385.89	87.44
08 63 00 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	465.31	97.16
08 63 00 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	543.75	106.87
08 63 00 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	423.31	97.16
08 63 00 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	453.31	97.16
08 63 00 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	505.75	106.87
08 63 00 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	555.18	116.59
08 63 00 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	649.61	126.31
08 63 00 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	517.75	106.87
08 63 00 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	585.18	116.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	616.18	116.59
08 63 00 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	707.61	126.31
08 63 00 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	331.45	77.73
08 63 00 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	367.45	77.73
08 63 00 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	459.89	87.44
08 63 00 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	374.45	77.73
08 63 00 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	419.89	87.44
08 63 00 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	438.89	87.44
08 63 00 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	459.89	87.44
08 63 00 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	528.31	97.16
08 63 00 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	439.89	87.44
08 63 00 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	486.31	97.16
08 63 00 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	516.31	97.16
08 63 00 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	566.75	106.87
08 63 00 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	617.18	116.59
08 63 00 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	518.31	97.16
08 63 00 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	573.75	106.87
08 63 00 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	629.18	116.59
08 63 00 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	656.18	116.59
08 63 00 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 00 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 00 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	364.45	77.73
08 63 00 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	472.89	87.44
08 63 00 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	449.89	87.44
08 63 00 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	472.89	87.44
08 63 00 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	544.31	97.16
08 63 00 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	498.31	97.16
08 63 00 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	531.31	97.16
08 63 00 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	584.75	106.87
08 63 00 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	633.18	116.59
08 63 00 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	591.75	106.87
08 63 00 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	649.18	116.59
08 63 00 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	678.18	116.59
08 63 00 00-0160 Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0001)</small>		
08 63 00 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0160)</small> Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0161)</small>		
08 63 00 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,401.18	116.59
08 63 00 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,310.18	116.59
08 63 00 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,468.18	116.59
08 63 00 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,800.18	116.59
08 63 00 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,713.18	116.59
08 63 00 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,891.18	116.59
08 63 00 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0162)</small>		
08 63 00 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,915.18	116.59
08 63 00 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,826.18	116.59
08 63 00 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,004.18	116.59
08 63 00 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0161)</small>		
08 63 00 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0175)</small>		
08 63 00 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,407.18	116.59
08 63 00 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,316.18	116.59
08 63 00 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,477.18	116.59
08 63 00 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0175)</small>		
08 63 00 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,808.18	116.59
08 63 00 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,719.18	116.59
08 63 00 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,901.18	116.59
08 63 00 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 00 00-0175)</small>		
08 63 00 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,921.18	116.59
08 63 00 00-0186 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,832.18	116.59
08 63 00 00-0187 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,014.18	116.59
08 63 00 00-0188 Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0001)</small> Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 63 00 00-0189 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0188)</small>		



Openings	08
Roof Windows And Skylights	08 60
Metal-Framed Skylights	08 63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0190	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	741.90	155.45
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	491.09	
08 63 00 00-0191	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	779.68	159.34
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	491.87	
08 63 00 00-0192	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	816.45	163.22
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	492.65	
08 63 00 00-0193	EA		5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	867.22	167.12
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	493.42	
08 63 00 00-0194	EA		6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	911.99	171.00
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	494.20	
08 63 00 00-0195	EA		7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	948.77	174.89
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	494.98	
08 63 00 00-0196	EA		8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	985.54	178.77
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	495.75	
08 63 00 00-0197	EA		9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,044.31	182.66
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	496.53	
08 63 00 00-0198	EA		10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,081.08	186.54
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	497.31	

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0199	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,118.86	190.43
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	498.09	
08 63 00 00-0200	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,155.63	194.31
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	498.86	
08 63 00 00-0201	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,214.40	198.21
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	499.64	
08 63 00 00-0202	EA		14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,251.17	202.09
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	500.42	
08 63 00 00-0203	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,287.95	205.98
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	501.20	
08 63 00 00-0204	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,324.72	209.86
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	501.97	
08 63 00 00-0205			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0188)</small>		
08 63 00 00-0206	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	876.90	155.45
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	491.09	
08 63 00 00-0207	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	927.68	159.34
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	491.87	
08 63 00 00-0208	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	978.45	163.22
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	492.65	



Openings	08
Roof Windows And Skylights	08 60
Metal-Framed Skylights	08 63

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0209	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,029.22	167.12
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	493.42	
08 63 00 00-0210	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,109.99	171.00
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	494.20	
08 63 00 00-0211	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,160.77	174.89
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	494.98	
08 63 00 00-0212	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,211.54	178.77
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	495.75	
08 63 00 00-0213	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,292.31	182.66
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	496.53	
08 63 00 00-0214	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,343.08	186.54
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	497.31	
08 63 00 00-0215	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,393.86	190.43
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	498.09	
08 63 00 00-0216	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,444.63	194.31
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	498.86	
08 63 00 00-0217	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,525.40	198.21
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	499.64	

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0218	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,576.17	202.09
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	500.42	
08 63 00 00-0219	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,626.95	205.98
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	501.20	
08 63 00 00-0220	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,677.72	209.86
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	501.97	
08 63 00 00-0221			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 63 00 00-0188)</small>		
08 63 00 00-0222	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,148.77	174.89
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	494.98	
08 63 00 00-0223	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,218.54	178.77
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	495.75	
08 63 00 00-0224	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,289.31	182.66
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	496.53	
08 63 00 00-0225	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,359.08	186.54
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	497.31	
08 63 00 00-0226	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,468.86	190.43
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	498.09	
08 63 00 00-0227	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,538.63	194.31
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	498.86	



Openings	08
Roof Windows And Skylights	08 60
Metal-Framed Skylights	08 63

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 00 00-0228	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,608.40	198.21
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	499.64	
08 63 00 00-0229	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,719.17	202.09
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	500.42	
08 63 00 00-0230	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,788.95	205.98
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	501.20	
08 63 00 00-0231	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,858.72	209.86
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	501.97	
08 63 00 00-0232	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,928.49	213.75
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	502.75	
08 63 00 00-0233	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,038.26	217.63
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	503.53	
08 63 00 00-0234	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,108.04	221.52
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	504.30	
08 63 00 00-0235	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,178.81	225.40
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	505.08	
08 63 00 00-0236	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,248.58	229.30
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	505.86	

08 90 Louvers And Vents (08)

08 91 Louvers (08 90)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001	Motorized Wall Louver Actuator <small>(08 91 13)</small>		
	See CSI section 08 91 16 00-0137 for adjustable intake wall louvers.		
08 91 13 00-0002	EA 115 Volt Actuator For Adjustable Intake Louver.....	1,127.08	94.49
08 91 13 00-0003	EA 230 Volt Actuator For Adjustable Intake Louver.....	1,665.88	94.49
08 91 13 00-0004	EA 24 Volt Actuator For Adjustable Intake Louver.....	1,203.88	94.49
08 91 13 00-0005	EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	4,366.48	94.49

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001	Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
	See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	296.62	25.01
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	24.66	
	For Clear Lacquer Finish, Add	49.32	
	For Baked Enamel Standard Colors, Add	73.98	
	For Anodized Finish, Add	98.64	
	For Kynar™ Standard Colors Finish, Add	135.63	
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	370.13	30.57
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	30.90	
	For Clear Lacquer Finish, Add	61.80	
	For Baked Enamel Standard Colors, Add	92.70	
	For Anodized Finish, Add	123.60	
	For Kynar™ Standard Colors Finish, Add	169.95	
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	437.66	36.13
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	36.54	
	For Clear Lacquer Finish, Add	73.08	
	For Baked Enamel Standard Colors, Add	109.62	
	For Anodized Finish, Add	146.16	
	For Kynar™ Standard Colors Finish, Add	200.97	
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	511.77	41.69
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	42.84	
	For Clear Lacquer Finish, Add	85.68	
	For Baked Enamel Standard Colors, Add	128.52	
	For Anodized Finish, Add	171.36	
	For Kynar™ Standard Colors Finish, Add	235.62	
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	576.89	47.24
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	48.24	
	For Clear Lacquer Finish, Add	96.48	
	For Baked Enamel Standard Colors, Add	144.72	
	For Anodized Finish, Add	192.96	
	For Kynar™ Standard Colors Finish, Add	265.32	
08 91 16 00-0007	EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	678.60	52.80
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	57.30	
	For Clear Lacquer Finish, Add	114.60	
	For Baked Enamel Standard Colors, Add	171.90	
	For Anodized Finish, Add	229.20	
	For Kynar™ Standard Colors Finish, Add	315.15	
08 91 16 00-0008	EA 12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	771.92	58.36
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	65.52	
	For Clear Lacquer Finish, Add	131.04	
	For Baked Enamel Standard Colors, Add	196.56	
	For Anodized Finish, Add	262.08	
	For Kynar™ Standard Colors Finish, Add	360.36	
08 91 16 00-0009	EA 12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	858.79	66.70
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	72.54	
	For Clear Lacquer Finish, Add	145.08	
	For Baked Enamel Standard Colors, Add	217.62	
	For Anodized Finish, Add	290.16	
	For Kynar™ Standard Colors Finish, Add	398.97	
08 91 16 00-0010	EA 12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	917.30	72.26
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	77.28	
	For Clear Lacquer Finish, Add	154.56	
	For Baked Enamel Standard Colors, Add	231.84	
	For Anodized Finish, Add	309.12	
	For Kynar™ Standard Colors Finish, Add	425.04	
08 91 16 00-0011	EA 12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	989.62	77.81
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	83.40	
	For Clear Lacquer Finish, Add	166.80	
	For Baked Enamel Standard Colors, Add	250.20	
	For Anodized Finish, Add	333.60	
	For Kynar™ Standard Colors Finish, Add	458.70	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0012 EA 12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,053.53	83.37
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	88.68	
For Clear Lacquer Finish, Add	177.36	
For Baked Enamel Standard Colors, Add	266.04	
For Anodized Finish, Add	354.72	
For Kynar™ Standard Colors Finish, Add	487.74	
08 91 16 00-0013 EA 12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,134.25	88.93
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.64	
For Clear Lacquer Finish, Add	191.28	
For Baked Enamel Standard Colors, Add	286.92	
For Anodized Finish, Add	382.56	
For Kynar™ Standard Colors Finish, Add	526.02	
08 91 16 00-0014 EA 12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,211.97	94.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	102.30	
For Clear Lacquer Finish, Add	204.60	
For Baked Enamel Standard Colors, Add	306.90	
For Anodized Finish, Add	409.20	
For Kynar™ Standard Colors Finish, Add	562.65	
08 91 16 00-0015 EA 12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,309.64	102.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	110.40	
For Clear Lacquer Finish, Add	220.80	
For Baked Enamel Standard Colors, Add	331.20	
For Anodized Finish, Add	441.60	
For Kynar™ Standard Colors Finish, Add	607.20	
08 91 16 00-0016 EA 12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,383.32	111.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.10	
For Clear Lacquer Finish, Add	232.20	
For Baked Enamel Standard Colors, Add	348.30	
For Anodized Finish, Add	464.40	
For Kynar™ Standard Colors Finish, Add	638.55	
08 91 16 00-0017 EA 18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	334.73	30.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	27.36	
For Clear Lacquer Finish, Add	54.72	
For Baked Enamel Standard Colors, Add	82.08	
For Anodized Finish, Add	109.44	
For Kynar™ Standard Colors Finish, Add	150.48	
08 91 16 00-0018 EA 18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	422.81	38.90
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	34.50	
For Clear Lacquer Finish, Add	69.00	
For Baked Enamel Standard Colors, Add	103.50	
For Anodized Finish, Add	138.00	
For Kynar™ Standard Colors Finish, Add	189.75	
08 91 16 00-0019 EA 18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	495.13	44.46
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	40.62	
For Clear Lacquer Finish, Add	81.24	
For Baked Enamel Standard Colors, Add	121.86	
For Anodized Finish, Add	162.48	
For Kynar™ Standard Colors Finish, Add	223.41	
08 91 16 00-0020 EA 18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	616.36	55.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	50.52	
For Clear Lacquer Finish, Add	101.04	
For Baked Enamel Standard Colors, Add	151.56	
For Anodized Finish, Add	202.08	
For Kynar™ Standard Colors Finish, Add	277.86	
08 91 16 00-0021 EA 18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	699.47	61.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	57.72	
For Clear Lacquer Finish, Add	115.44	
For Baked Enamel Standard Colors, Add	173.16	
For Anodized Finish, Add	230.88	
For Kynar™ Standard Colors Finish, Add	317.46	
08 91 16 00-0022 EA 18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	782.59	66.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.92	
For Clear Lacquer Finish, Add	129.84	
For Baked Enamel Standard Colors, Add	194.76	
For Anodized Finish, Add	259.68	
For Kynar™ Standard Colors Finish, Add	357.06	
08 91 16 00-0023 EA 18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	881.30	72.26
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.68	
For Clear Lacquer Finish, Add	147.36	
For Baked Enamel Standard Colors, Add	221.04	
For Anodized Finish, Add	294.72	
For Kynar™ Standard Colors Finish, Add	405.24	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0024 EA 18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	977.78	80.59
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	81.66	
For Clear Lacquer Finish, Add	163.32	
For Baked Enamel Standard Colors, Add	244.98	
For Anodized Finish, Add	326.64	
For Kynar™ Standard Colors Finish, Add	449.13	
08 91 16 00-0025 EA 18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,056.25	88.93
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	87.84	
For Clear Lacquer Finish, Add	175.68	
For Baked Enamel Standard Colors, Add	263.52	
For Anodized Finish, Add	351.36	
For Kynar™ Standard Colors Finish, Add	483.12	
08 91 16 00-0026 EA 18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,129.77	94.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	94.08	
For Clear Lacquer Finish, Add	188.16	
For Baked Enamel Standard Colors, Add	282.24	
For Anodized Finish, Add	376.32	
For Kynar™ Standard Colors Finish, Add	517.44	
08 91 16 00-0027 EA 18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,199.09	100.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	99.90	
For Clear Lacquer Finish, Add	199.80	
For Baked Enamel Standard Colors, Add	299.70	
For Anodized Finish, Add	399.60	
For Kynar™ Standard Colors Finish, Add	549.45	
08 91 16 00-0028 EA 18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,287.60	105.60
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	107.64	
For Clear Lacquer Finish, Add	215.28	
For Baked Enamel Standard Colors, Add	322.92	
For Anodized Finish, Add	430.56	
For Kynar™ Standard Colors Finish, Add	592.02	
08 91 16 00-0029 EA 18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,373.12	111.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.08	
For Clear Lacquer Finish, Add	230.16	
For Baked Enamel Standard Colors, Add	345.24	
For Anodized Finish, Add	460.32	
For Kynar™ Standard Colors Finish, Add	632.94	
08 91 16 00-0030 EA 18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,478.59	119.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	123.96	
For Clear Lacquer Finish, Add	247.92	
For Baked Enamel Standard Colors, Add	371.88	
For Anodized Finish, Add	495.84	
For Kynar™ Standard Colors Finish, Add	681.78	
08 91 16 00-0031 EA 18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,560.06	127.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	130.44	
For Clear Lacquer Finish, Add	260.88	
For Baked Enamel Standard Colors, Add	391.32	
For Anodized Finish, Add	521.76	
For Kynar™ Standard Colors Finish, Add	717.42	
08 91 16 00-0032 EA 24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	375.86	36.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	30.36	
For Clear Lacquer Finish, Add	60.72	
For Baked Enamel Standard Colors, Add	91.08	
For Anodized Finish, Add	121.44	
For Kynar™ Standard Colors Finish, Add	166.98	
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	475.93	44.46
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	38.70	
For Clear Lacquer Finish, Add	77.40	
For Baked Enamel Standard Colors, Add	116.10	
For Anodized Finish, Add	154.80	
For Kynar™ Standard Colors Finish, Add	212.85	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	588.00	52.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	694.83	63.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	56.70	
For Clear Lacquer Finish, Add	113.40	
For Baked Enamel Standard Colors, Add	170.10	
For Anodized Finish, Add	226.80	
For Kynar™ Standard Colors Finish, Add	311.85	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	785.75	69.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	64.68	
			For Clear Lacquer Finish, Add	129.36	
			For Baked Enamel Standard Colors, Add	194.04	
			For Anodized Finish, Add	258.72	
			For Kynar™ Standard Colors Finish, Add	355.74	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	881.46	75.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.14	
			For Clear Lacquer Finish, Add	146.28	
			For Baked Enamel Standard Colors, Add	219.42	
			For Anodized Finish, Add	292.56	
			For Kynar™ Standard Colors Finish, Add	402.27	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,000.73	83.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	83.40	
			For Clear Lacquer Finish, Add	166.80	
			For Baked Enamel Standard Colors, Add	250.20	
			For Anodized Finish, Add	333.60	
			For Kynar™ Standard Colors Finish, Add	458.70	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,104.57	94.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.56	
			For Clear Lacquer Finish, Add	183.12	
			For Baked Enamel Standard Colors, Add	274.68	
			For Anodized Finish, Add	366.24	
			For Kynar™ Standard Colors Finish, Add	503.58	
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,182.89	100.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.28	
			For Clear Lacquer Finish, Add	196.56	
			For Baked Enamel Standard Colors, Add	294.84	
			For Anodized Finish, Add	393.12	
			For Kynar™ Standard Colors Finish, Add	540.54	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,272.32	111.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.00	
			For Clear Lacquer Finish, Add	210.00	
			For Baked Enamel Standard Colors, Add	315.00	
			For Anodized Finish, Add	420.00	
			For Kynar™ Standard Colors Finish, Add	577.50	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,351.83	116.72
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.84	
			For Clear Lacquer Finish, Add	223.68	
			For Baked Enamel Standard Colors, Add	335.52	
			For Anodized Finish, Add	447.36	
			For Kynar™ Standard Colors Finish, Add	615.12	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,458.35	122.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.38	
			For Clear Lacquer Finish, Add	242.76	
			For Baked Enamel Standard Colors, Add	364.14	
			For Anodized Finish, Add	485.52	
			For Kynar™ Standard Colors Finish, Add	667.59	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,549.26	127.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.36	
			For Clear Lacquer Finish, Add	258.72	
			For Baked Enamel Standard Colors, Add	388.08	
			For Anodized Finish, Add	517.44	
			For Kynar™ Standard Colors Finish, Add	711.48	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,664.93	136.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.26	
			For Clear Lacquer Finish, Add	278.52	
			For Baked Enamel Standard Colors, Add	417.78	
			For Anodized Finish, Add	557.04	
			For Kynar™ Standard Colors Finish, Add	765.93	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,751.81	144.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	146.28	
			For Clear Lacquer Finish, Add	292.56	
			For Baked Enamel Standard Colors, Add	438.84	
			For Anodized Finish, Add	585.12	
			For Kynar™ Standard Colors Finish, Add	804.54	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	419.97	41.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	33.66	
			For Clear Lacquer Finish, Add	67.32	
			For Baked Enamel Standard Colors, Add	100.98	
			For Anodized Finish, Add	134.64	
			For Kynar™ Standard Colors Finish, Add	185.13	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0048 EA 30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	559.36	55.57
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	44.82	
For Clear Lacquer Finish, Add	89.64	
For Baked Enamel Standard Colors, Add	134.46	
For Anodized Finish, Add	179.28	
For Kynar™ Standard Colors Finish, Add	246.51	
08 91 16 00-0049 EA 30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	662.43	63.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.46	
For Clear Lacquer Finish, Add	106.92	
For Baked Enamel Standard Colors, Add	160.38	
For Anodized Finish, Add	213.84	
For Kynar™ Standard Colors Finish, Add	294.03	
08 91 16 00-0050 EA 30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	774.50	72.26
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	63.00	
For Clear Lacquer Finish, Add	126.00	
For Baked Enamel Standard Colors, Add	189.00	
For Anodized Finish, Add	252.00	
For Kynar™ Standard Colors Finish, Add	346.50	
08 91 16 00-0051 EA 30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	873.22	77.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	71.76	
For Clear Lacquer Finish, Add	143.52	
For Baked Enamel Standard Colors, Add	215.28	
For Anodized Finish, Add	287.04	
For Kynar™ Standard Colors Finish, Add	394.68	
08 91 16 00-0052 EA 30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	977.49	86.14
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	80.52	
For Clear Lacquer Finish, Add	161.04	
For Baked Enamel Standard Colors, Add	241.56	
For Anodized Finish, Add	322.08	
For Kynar™ Standard Colors Finish, Add	442.86	
08 91 16 00-0053 EA 30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,099.00	91.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.56	
For Clear Lacquer Finish, Add	183.12	
For Baked Enamel Standard Colors, Add	274.68	
For Anodized Finish, Add	366.24	
For Kynar™ Standard Colors Finish, Add	503.58	
08 91 16 00-0054 EA 30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,205.69	100.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	100.56	
For Clear Lacquer Finish, Add	201.12	
For Baked Enamel Standard Colors, Add	301.68	
For Anodized Finish, Add	402.24	
For Kynar™ Standard Colors Finish, Add	553.08	
08 91 16 00-0055 EA 30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,292.40	105.60
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.12	
For Clear Lacquer Finish, Add	216.24	
For Baked Enamel Standard Colors, Add	324.36	
For Anodized Finish, Add	432.48	
For Kynar™ Standard Colors Finish, Add	594.66	
08 91 16 00-0056 EA 30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,391.43	116.72
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.80	
For Clear Lacquer Finish, Add	231.60	
For Baked Enamel Standard Colors, Add	347.40	
For Anodized Finish, Add	463.20	
For Kynar™ Standard Colors Finish, Add	636.90	
08 91 16 00-0057 EA 30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,484.30	125.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	123.42	
For Clear Lacquer Finish, Add	246.84	
For Baked Enamel Standard Colors, Add	370.26	
For Anodized Finish, Add	493.68	
For Kynar™ Standard Colors Finish, Add	678.81	
08 91 16 00-0058 EA 30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,597.42	130.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	133.62	
For Clear Lacquer Finish, Add	267.24	
For Baked Enamel Standard Colors, Add	400.86	
For Anodized Finish, Add	534.48	
For Kynar™ Standard Colors Finish, Add	734.91	
08 91 16 00-0059 EA 30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,696.13	136.17
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	142.38	
For Clear Lacquer Finish, Add	284.76	
For Baked Enamel Standard Colors, Add	427.14	
For Anodized Finish, Add	569.52	
For Kynar™ Standard Colors Finish, Add	783.09	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0060 EA 30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,817.21	144.50
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	152.82	
For Clear Lacquer Finish, Add	305.64	
For Baked Enamel Standard Colors, Add	458.46	
For Anodized Finish, Add	611.28	
For Kynar™ Standard Colors Finish, Add	840.51	
08 91 16 00-0061 EA 30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,914.88	152.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	160.92	
For Clear Lacquer Finish, Add	321.84	
For Baked Enamel Standard Colors, Add	482.76	
For Anodized Finish, Add	643.68	
For Kynar™ Standard Colors Finish, Add	885.06	
08 91 16 00-0062 EA 36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	461.09	47.24
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	36.66	
For Clear Lacquer Finish, Add	73.32	
For Baked Enamel Standard Colors, Add	109.98	
For Anodized Finish, Add	146.64	
For Kynar™ Standard Colors Finish, Add	201.63	
08 91 16 00-0063 EA 36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	622.07	61.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	49.98	
For Clear Lacquer Finish, Add	99.96	
For Baked Enamel Standard Colors, Add	149.94	
For Anodized Finish, Add	199.92	
For Kynar™ Standard Colors Finish, Add	274.89	
08 91 16 00-0064 EA 36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	725.75	69.47
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	58.68	
For Clear Lacquer Finish, Add	117.36	
For Baked Enamel Standard Colors, Add	176.04	
For Anodized Finish, Add	234.72	
For Kynar™ Standard Colors Finish, Add	322.74	
08 91 16 00-0065 EA 36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	848.02	77.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	69.24	
For Clear Lacquer Finish, Add	138.48	
For Baked Enamel Standard Colors, Add	207.72	
For Anodized Finish, Add	276.96	
For Kynar™ Standard Colors Finish, Add	380.82	
08 91 16 00-0066 EA 36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	960.36	84.48
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.14	
For Clear Lacquer Finish, Add	158.28	
For Baked Enamel Standard Colors, Add	237.42	
For Anodized Finish, Add	316.56	
For Kynar™ Standard Colors Finish, Add	435.27	
08 91 16 00-0067 EA 36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,066.60	91.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	88.32	
For Clear Lacquer Finish, Add	176.64	
For Baked Enamel Standard Colors, Add	264.96	
For Anodized Finish, Add	353.28	
For Kynar™ Standard Colors Finish, Add	485.76	
08 91 16 00-0068 EA 36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,201.93	97.26
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	100.74	
For Clear Lacquer Finish, Add	201.48	
For Baked Enamel Standard Colors, Add	302.22	
For Anodized Finish, Add	402.96	
For Kynar™ Standard Colors Finish, Add	554.07	
08 91 16 00-0069 EA 36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,321.20	105.60
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	111.00	
For Clear Lacquer Finish, Add	222.00	
For Baked Enamel Standard Colors, Add	333.00	
For Anodized Finish, Add	444.00	
For Kynar™ Standard Colors Finish, Add	610.50	
08 91 16 00-0070 EA 36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,419.47	113.93
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	119.16	
For Clear Lacquer Finish, Add	238.32	
For Baked Enamel Standard Colors, Add	357.48	
For Anodized Finish, Add	476.64	
For Kynar™ Standard Colors Finish, Add	655.38	
08 91 16 00-0071 EA 36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,520.15	122.27
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	127.56	
For Clear Lacquer Finish, Add	255.12	
For Baked Enamel Standard Colors, Add	382.68	
For Anodized Finish, Add	510.24	
For Kynar™ Standard Colors Finish, Add	701.58	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0072 EA 36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,623.82	130.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	136.26	
For Clear Lacquer Finish, Add	272.52	
For Baked Enamel Standard Colors, Add	408.78	
For Anodized Finish, Add	545.04	
For Kynar™ Standard Colors Finish, Add	749.43	
08 91 16 00-0073 EA 36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,747.13	136.17
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	147.48	
For Clear Lacquer Finish, Add	294.96	
For Baked Enamel Standard Colors, Add	442.44	
For Anodized Finish, Add	589.92	
For Kynar™ Standard Colors Finish, Add	811.14	
08 91 16 00-0074 EA 36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,853.05	141.73
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	156.96	
For Clear Lacquer Finish, Add	313.92	
For Baked Enamel Standard Colors, Add	470.88	
For Anodized Finish, Add	627.84	
For Kynar™ Standard Colors Finish, Add	863.28	
08 91 16 00-0075 EA 36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,989.12	150.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	168.90	
For Clear Lacquer Finish, Add	337.80	
For Baked Enamel Standard Colors, Add	506.70	
For Anodized Finish, Add	675.60	
For Kynar™ Standard Colors Finish, Add	928.95	
08 91 16 00-0076 EA 36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,092.20	158.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	177.54	
For Clear Lacquer Finish, Add	355.08	
For Baked Enamel Standard Colors, Add	532.62	
For Anodized Finish, Add	710.16	
For Kynar™ Standard Colors Finish, Add	976.47	
08 91 16 00-0077 EA 42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	526.80	52.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	42.12	
For Clear Lacquer Finish, Add	84.24	
For Baked Enamel Standard Colors, Add	126.36	
For Anodized Finish, Add	168.48	
For Kynar™ Standard Colors Finish, Add	231.66	
08 91 16 00-0078 EA 42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	671.59	66.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.82	
For Clear Lacquer Finish, Add	107.64	
For Baked Enamel Standard Colors, Add	161.46	
For Anodized Finish, Add	215.28	
For Kynar™ Standard Colors Finish, Add	296.01	
08 91 16 00-0079 EA 42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	786.06	75.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	63.60	
For Clear Lacquer Finish, Add	127.20	
For Baked Enamel Standard Colors, Add	190.80	
For Anodized Finish, Add	254.40	
For Kynar™ Standard Colors Finish, Add	349.80	
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	918.09	86.14
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	74.58	
For Clear Lacquer Finish, Add	149.16	
For Baked Enamel Standard Colors, Add	223.74	
For Anodized Finish, Add	298.32	
For Kynar™ Standard Colors Finish, Add	410.19	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,036.60	91.70
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.32	
For Clear Lacquer Finish, Add	170.64	
For Baked Enamel Standard Colors, Add	255.96	
For Anodized Finish, Add	341.28	
For Kynar™ Standard Colors Finish, Add	469.26	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,149.13	97.26
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.46	
For Clear Lacquer Finish, Add	190.92	
For Baked Enamel Standard Colors, Add	286.38	
For Anodized Finish, Add	381.84	
For Kynar™ Standard Colors Finish, Add	525.03	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,295.84	102.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	109.02	
For Clear Lacquer Finish, Add	218.04	
For Baked Enamel Standard Colors, Add	327.06	
For Anodized Finish, Add	436.08	
For Kynar™ Standard Colors Finish, Add	599.61	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,416.92	111.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.46	
			For Clear Lacquer Finish, Add	238.92	
			For Baked Enamel Standard Colors, Add	358.38	
			For Anodized Finish, Add	477.84	
			For Kynar™ Standard Colors Finish, Add	657.03	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,526.59	119.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	128.76	
			For Clear Lacquer Finish, Add	257.52	
			For Baked Enamel Standard Colors, Add	386.28	
			For Anodized Finish, Add	515.04	
			For Kynar™ Standard Colors Finish, Add	708.18	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,629.66	127.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.40	
			For Clear Lacquer Finish, Add	274.80	
			For Baked Enamel Standard Colors, Add	412.20	
			For Anodized Finish, Add	549.60	
			For Kynar™ Standard Colors Finish, Add	755.70	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,741.73	136.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	146.94	
			For Clear Lacquer Finish, Add	293.88	
			For Baked Enamel Standard Colors, Add	440.82	
			For Anodized Finish, Add	587.76	
			For Kynar™ Standard Colors Finish, Add	808.17	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,874.05	141.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	159.06	
			For Clear Lacquer Finish, Add	318.12	
			For Baked Enamel Standard Colors, Add	477.18	
			For Anodized Finish, Add	636.24	
			For Kynar™ Standard Colors Finish, Add	874.83	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,989.56	147.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	169.50	
			For Clear Lacquer Finish, Add	339.00	
			For Baked Enamel Standard Colors, Add	508.50	
			For Anodized Finish, Add	678.00	
			For Kynar™ Standard Colors Finish, Add	932.25	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,141.24	155.62
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	183.00	
			For Clear Lacquer Finish, Add	366.00	
			For Baked Enamel Standard Colors, Add	549.00	
			For Anodized Finish, Add	732.00	
			For Kynar™ Standard Colors Finish, Add	1,006.50	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,248.52	163.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	192.06	
			For Clear Lacquer Finish, Add	384.12	
			For Baked Enamel Standard Colors, Add	576.18	
			For Anodized Finish, Add	768.24	
			For Kynar™ Standard Colors Finish, Add	1,056.33	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	570.92	58.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.42	
			For Clear Lacquer Finish, Add	90.84	
			For Baked Enamel Standard Colors, Add	136.26	
			For Anodized Finish, Add	181.68	
			For Kynar™ Standard Colors Finish, Add	249.81	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	724.10	72.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.96	
			For Clear Lacquer Finish, Add	115.92	
			For Baked Enamel Standard Colors, Add	173.88	
			For Anodized Finish, Add	231.84	
			For Kynar™ Standard Colors Finish, Add	318.78	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	855.53	83.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.88	
			For Clear Lacquer Finish, Add	137.76	
			For Baked Enamel Standard Colors, Add	206.64	
			For Anodized Finish, Add	275.52	
			For Kynar™ Standard Colors Finish, Add	378.84	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	988.60	91.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.52	
			For Clear Lacquer Finish, Add	161.04	
			For Baked Enamel Standard Colors, Add	241.56	
			For Anodized Finish, Add	322.08	
			For Kynar™ Standard Colors Finish, Add	442.86	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,119.13	97.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	92.46	
		For Clear Lacquer Finish, Add	184.92	
		For Baked Enamel Standard Colors, Add	277.38	
		For Anodized Finish, Add	369.84	
		For Kynar™ Standard Colors Finish, Add	508.53	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,245.44	102.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	103.98	
		For Clear Lacquer Finish, Add	207.96	
		For Baked Enamel Standard Colors, Add	311.94	
		For Anodized Finish, Add	415.92	
		For Kynar™ Standard Colors Finish, Add	571.89	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,403.72	111.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	118.14	
		For Clear Lacquer Finish, Add	236.28	
		For Baked Enamel Standard Colors, Add	354.42	
		For Anodized Finish, Add	472.56	
		For Kynar™ Standard Colors Finish, Add	649.77	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,535.59	119.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.66	
		For Clear Lacquer Finish, Add	259.32	
		For Baked Enamel Standard Colors, Add	388.98	
		For Anodized Finish, Add	518.64	
		For Kynar™ Standard Colors Finish, Add	713.13	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,650.66	127.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	139.50	
		For Clear Lacquer Finish, Add	279.00	
		For Baked Enamel Standard Colors, Add	418.50	
		For Anodized Finish, Add	558.00	
		For Kynar™ Standard Colors Finish, Add	767.25	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,767.53	136.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	149.52	
		For Clear Lacquer Finish, Add	299.04	
		For Baked Enamel Standard Colors, Add	448.56	
		For Anodized Finish, Add	598.08	
		For Kynar™ Standard Colors Finish, Add	822.36	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,882.01	144.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	159.30	
		For Clear Lacquer Finish, Add	318.60	
		For Baked Enamel Standard Colors, Add	477.90	
		For Anodized Finish, Add	637.20	
		For Kynar™ Standard Colors Finish, Add	876.15	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,031.12	150.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	173.10	
		For Clear Lacquer Finish, Add	346.20	
		For Baked Enamel Standard Colors, Add	519.30	
		For Anodized Finish, Add	692.40	
		For Kynar™ Standard Colors Finish, Add	952.05	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,155.64	155.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	184.44	
		For Clear Lacquer Finish, Add	368.88	
		For Baked Enamel Standard Colors, Add	553.32	
		For Anodized Finish, Add	737.76	
		For Kynar™ Standard Colors Finish, Add	1,014.42	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,308.36	161.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	198.60	
		For Clear Lacquer Finish, Add	397.20	
		For Baked Enamel Standard Colors, Add	595.80	
		For Anodized Finish, Add	794.40	
		For Kynar™ Standard Colors Finish, Add	1,092.30	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,425.83	169.52
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	208.68	
		For Clear Lacquer Finish, Add	417.36	
		For Baked Enamel Standard Colors, Add	626.04	
		For Anodized Finish, Add	834.72	
		For Kynar™ Standard Colors Finish, Add	1,147.74	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	661.99	66.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	52.86	
		For Clear Lacquer Finish, Add	105.72	
		For Baked Enamel Standard Colors, Add	158.58	
		For Anodized Finish, Add	211.44	
		For Kynar™ Standard Colors Finish, Add	290.73	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	845.18	80.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.40	
			For Clear Lacquer Finish, Add	136.80	
			For Baked Enamel Standard Colors, Add	205.20	
			For Anodized Finish, Add	273.60	
			For Kynar™ Standard Colors Finish, Add	376.20	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	990.57	94.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.16	
			For Clear Lacquer Finish, Add	160.32	
			For Baked Enamel Standard Colors, Add	240.48	
			For Anodized Finish, Add	320.64	
			For Kynar™ Standard Colors Finish, Add	440.88	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,131.89	100.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	93.18	
			For Clear Lacquer Finish, Add	186.36	
			For Baked Enamel Standard Colors, Add	279.54	
			For Anodized Finish, Add	372.72	
			For Kynar™ Standard Colors Finish, Add	512.49	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,285.20	105.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	107.40	
			For Clear Lacquer Finish, Add	214.80	
			For Baked Enamel Standard Colors, Add	322.20	
			For Anodized Finish, Add	429.60	
			For Kynar™ Standard Colors Finish, Add	590.70	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,422.92	111.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.06	
			For Clear Lacquer Finish, Add	240.12	
			For Baked Enamel Standard Colors, Add	360.18	
			For Anodized Finish, Add	480.24	
			For Kynar™ Standard Colors Finish, Add	660.33	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,605.79	119.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	136.68	
			For Clear Lacquer Finish, Add	273.36	
			For Baked Enamel Standard Colors, Add	410.04	
			For Anodized Finish, Add	546.72	
			For Kynar™ Standard Colors Finish, Add	751.74	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,783.86	127.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.82	
			For Clear Lacquer Finish, Add	305.64	
			For Baked Enamel Standard Colors, Add	458.46	
			For Anodized Finish, Add	611.28	
			For Kynar™ Standard Colors Finish, Add	840.51	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,918.73	136.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.64	
			For Clear Lacquer Finish, Add	329.28	
			For Baked Enamel Standard Colors, Add	493.92	
			For Anodized Finish, Add	658.56	
			For Kynar™ Standard Colors Finish, Add	905.52	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,051.81	144.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	176.28	
			For Clear Lacquer Finish, Add	352.56	
			For Baked Enamel Standard Colors, Add	528.84	
			For Anodized Finish, Add	705.12	
			For Kynar™ Standard Colors Finish, Add	969.54	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,178.12	150.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.80	
			For Clear Lacquer Finish, Add	375.60	
			For Baked Enamel Standard Colors, Add	563.40	
			For Anodized Finish, Add	751.20	
			For Kynar™ Standard Colors Finish, Add	1,032.90	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,344.04	155.62
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	203.28	
			For Clear Lacquer Finish, Add	406.56	
			For Baked Enamel Standard Colors, Add	609.84	
			For Anodized Finish, Add	813.12	
			For Kynar™ Standard Colors Finish, Add	1,118.04	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,482.96	161.18
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	216.06	
			For Clear Lacquer Finish, Add	432.12	
			For Baked Enamel Standard Colors, Add	648.18	
			For Anodized Finish, Add	864.24	
			For Kynar™ Standard Colors Finish, Add	1,188.33	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,660.88	166.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.74	
			For Clear Lacquer Finish, Add	465.48	
			For Baked Enamel Standard Colors, Add	698.22	
			For Anodized Finish, Add	930.96	
			For Kynar™ Standard Colors Finish, Add	1,280.07	
08 91	16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,796.95	175.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.68	
			For Clear Lacquer Finish, Add	489.36	
			For Baked Enamel Standard Colors, Add	734.04	
			For Anodized Finish, Add	978.72	
			For Kynar™ Standard Colors Finish, Add	1,345.74	
08 91	16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	703.70	72.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.92	
			For Clear Lacquer Finish, Add	111.84	
			For Baked Enamel Standard Colors, Add	167.76	
			For Anodized Finish, Add	223.68	
			For Kynar™ Standard Colors Finish, Add	307.56	
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	903.25	88.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	72.54	
			For Clear Lacquer Finish, Add	145.08	
			For Baked Enamel Standard Colors, Add	217.62	
			For Anodized Finish, Add	290.16	
			For Kynar™ Standard Colors Finish, Add	398.97	
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,049.69	100.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	84.96	
			For Clear Lacquer Finish, Add	169.92	
			For Baked Enamel Standard Colors, Add	254.88	
			For Anodized Finish, Add	339.84	
			For Kynar™ Standard Colors Finish, Add	467.28	
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,204.80	105.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.36	
			For Clear Lacquer Finish, Add	198.72	
			For Baked Enamel Standard Colors, Add	298.08	
			For Anodized Finish, Add	397.44	
			For Kynar™ Standard Colors Finish, Add	546.48	
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,369.07	113.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	114.12	
			For Clear Lacquer Finish, Add	228.24	
			For Baked Enamel Standard Colors, Add	342.36	
			For Anodized Finish, Add	456.48	
			For Kynar™ Standard Colors Finish, Add	627.66	
08 91	16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,514.59	119.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	127.56	
			For Clear Lacquer Finish, Add	255.12	
			For Baked Enamel Standard Colors, Add	382.68	
			For Anodized Finish, Add	510.24	
			For Kynar™ Standard Colors Finish, Add	701.58	
08 91	16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,710.06	127.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.44	
			For Clear Lacquer Finish, Add	290.88	
			For Baked Enamel Standard Colors, Add	436.32	
			For Anodized Finish, Add	581.76	
			For Kynar™ Standard Colors Finish, Add	799.92	
08 91	16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,892.93	136.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	162.06	
			For Clear Lacquer Finish, Add	324.12	
			For Baked Enamel Standard Colors, Add	486.18	
			For Anodized Finish, Add	648.24	
			For Kynar™ Standard Colors Finish, Add	891.33	
08 91	16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,036.81	144.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.78	
			For Clear Lacquer Finish, Add	349.56	
			For Baked Enamel Standard Colors, Add	524.34	
			For Anodized Finish, Add	699.12	
			For Kynar™ Standard Colors Finish, Add	961.29	
08 91	16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,178.28	152.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.26	
			For Clear Lacquer Finish, Add	374.52	
			For Baked Enamel Standard Colors, Add	561.78	
			For Anodized Finish, Add	749.04	
			For Kynar™ Standard Colors Finish, Add	1,029.93	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,312.40	158.40
			<i>For Flange Frame, Add</i>	199.56	
			<i>For Clear Lacquer Finish, Add</i>	399.12	
			<i>For Baked Enamel Standard Colors, Add</i>	598.68	
			<i>For Anodized Finish, Add</i>	798.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,097.58	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,492.12	163.96
			<i>For Flange Frame, Add</i>	216.42	
			<i>For Clear Lacquer Finish, Add</i>	432.84	
			<i>For Baked Enamel Standard Colors, Add</i>	649.26	
			<i>For Anodized Finish, Add</i>	865.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,190.31	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,637.63	169.52
			<i>For Flange Frame, Add</i>	229.86	
			<i>For Clear Lacquer Finish, Add</i>	459.72	
			<i>For Baked Enamel Standard Colors, Add</i>	689.58	
			<i>For Anodized Finish, Add</i>	919.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,264.23	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,824.55	175.07
			<i>For Flange Frame, Add</i>	247.44	
			<i>For Clear Lacquer Finish, Add</i>	494.88	
			<i>For Baked Enamel Standard Colors, Add</i>	742.32	
			<i>For Anodized Finish, Add</i>	989.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,360.92	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,962.86	180.63
			<i>For Flange Frame, Add</i>	260.16	
			<i>For Clear Lacquer Finish, Add</i>	520.32	
			<i>For Baked Enamel Standard Colors, Add</i>	780.48	
			<i>For Anodized Finish, Add</i>	1,040.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,430.88	
08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)					
08 91 16 00-0138	EA		5 Chain Actuator For Adjustable Intake Louver.....	185.17	27.79
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	369.03	11.11
08 91 19 Fixed Louvers (08 91)					
08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)					
08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	231.22	25.01
			<i>For Flange Frame, Add</i>	18.12	
			<i>For Clear Lacquer Finish, Add</i>	36.24	
			<i>For Baked Enamel Standard Colors, Add</i>	54.36	
			<i>For Anodized Finish, Add</i>	72.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	99.66	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	275.33	30.57
			<i>For Flange Frame, Add</i>	21.42	
			<i>For Clear Lacquer Finish, Add</i>	42.84	
			<i>For Baked Enamel Standard Colors, Add</i>	64.26	
			<i>For Anodized Finish, Add</i>	85.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	117.81	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	320.06	36.13
			<i>For Flange Frame, Add</i>	24.78	
			<i>For Clear Lacquer Finish, Add</i>	49.56	
			<i>For Baked Enamel Standard Colors, Add</i>	74.34	
			<i>For Anodized Finish, Add</i>	99.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	136.29	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	374.97	41.69
			<i>For Flange Frame, Add</i>	29.16	
			<i>For Clear Lacquer Finish, Add</i>	58.32	
			<i>For Baked Enamel Standard Colors, Add</i>	87.48	
			<i>For Anodized Finish, Add</i>	116.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	160.38	
08 91 19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	422.09	47.24
			<i>For Flange Frame, Add</i>	32.76	
			<i>For Clear Lacquer Finish, Add</i>	65.52	
			<i>For Baked Enamel Standard Colors, Add</i>	98.28	
			<i>For Anodized Finish, Add</i>	131.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	180.18	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	495.60	52.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	39.00	
			For Clear Lacquer Finish, Add	78.00	
			For Baked Enamel Standard Colors, Add	117.00	
			For Anodized Finish, Add	156.00	
			For Kynar™ Standard Colors Finish, Add	214.50	
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	537.92	58.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	42.12	
			For Clear Lacquer Finish, Add	84.24	
			For Baked Enamel Standard Colors, Add	126.36	
			For Anodized Finish, Add	168.48	
			For Kynar™ Standard Colors Finish, Add	231.66	
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	602.59	66.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	46.92	
			For Clear Lacquer Finish, Add	93.84	
			For Baked Enamel Standard Colors, Add	140.76	
			For Anodized Finish, Add	187.68	
			For Kynar™ Standard Colors Finish, Add	258.06	
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	641.90	72.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.74	
			For Clear Lacquer Finish, Add	99.48	
			For Baked Enamel Standard Colors, Add	149.22	
			For Anodized Finish, Add	198.96	
			For Kynar™ Standard Colors Finish, Add	273.57	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	693.82	77.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.82	
			For Clear Lacquer Finish, Add	107.64	
			For Baked Enamel Standard Colors, Add	161.46	
			For Anodized Finish, Add	215.28	
			For Kynar™ Standard Colors Finish, Add	296.01	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	739.73	83.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.30	
			For Clear Lacquer Finish, Add	114.60	
			For Baked Enamel Standard Colors, Add	171.90	
			For Anodized Finish, Add	229.20	
			For Kynar™ Standard Colors Finish, Add	315.15	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	793.45	88.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	61.56	
			For Clear Lacquer Finish, Add	123.12	
			For Baked Enamel Standard Colors, Add	184.68	
			For Anodized Finish, Add	246.24	
			For Kynar™ Standard Colors Finish, Add	338.58	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	844.17	94.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	65.52	
			For Clear Lacquer Finish, Add	131.04	
			For Baked Enamel Standard Colors, Add	196.56	
			For Anodized Finish, Add	262.08	
			For Kynar™ Standard Colors Finish, Add	360.36	
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	892.04	102.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.64	
			For Clear Lacquer Finish, Add	137.28	
			For Baked Enamel Standard Colors, Add	205.92	
			For Anodized Finish, Add	274.56	
			For Kynar™ Standard Colors Finish, Add	377.52	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	953.72	111.16
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.14	
			For Clear Lacquer Finish, Add	146.28	
			For Baked Enamel Standard Colors, Add	219.42	
			For Anodized Finish, Add	292.56	
			For Kynar™ Standard Colors Finish, Add	402.27	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	269.93	30.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	20.88	
			For Clear Lacquer Finish, Add	41.76	
			For Baked Enamel Standard Colors, Add	62.64	
			For Anodized Finish, Add	83.52	
			For Kynar™ Standard Colors Finish, Add	114.84	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	325.61	38.90
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	24.78	
			For Clear Lacquer Finish, Add	49.56	
			For Baked Enamel Standard Colors, Add	74.34	
			For Anodized Finish, Add	99.12	
			For Kynar™ Standard Colors Finish, Add	136.29	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	376.93	44.46
			<i>For Flange Frame, Add</i>	28.80	
			<i>For Clear Lacquer Finish, Add</i>	57.60	
			<i>For Baked Enamel Standard Colors, Add</i>	86.40	
			<i>For Anodized Finish, Add</i>	115.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	158.40	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	472.36	55.57
			<i>For Flange Frame, Add</i>	36.12	
			<i>For Clear Lacquer Finish, Add</i>	72.24	
			<i>For Baked Enamel Standard Colors, Add</i>	108.36	
			<i>For Anodized Finish, Add</i>	144.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	198.66	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	539.87	61.13
			<i>For Flange Frame, Add</i>	41.76	
			<i>For Clear Lacquer Finish, Add</i>	83.52	
			<i>For Baked Enamel Standard Colors, Add</i>	125.28	
			<i>For Anodized Finish, Add</i>	167.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	229.68	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	600.19	66.70
			<i>For Flange Frame, Add</i>	46.68	
			<i>For Clear Lacquer Finish, Add</i>	93.36	
			<i>For Baked Enamel Standard Colors, Add</i>	140.04	
			<i>For Anodized Finish, Add</i>	186.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	256.74	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	644.30	72.26
			<i>For Flange Frame, Add</i>	49.98	
			<i>For Clear Lacquer Finish, Add</i>	99.96	
			<i>For Baked Enamel Standard Colors, Add</i>	149.94	
			<i>For Anodized Finish, Add</i>	199.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.89	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	717.38	80.59
			<i>For Flange Frame, Add</i>	55.62	
			<i>For Clear Lacquer Finish, Add</i>	111.24	
			<i>For Baked Enamel Standard Colors, Add</i>	166.86	
			<i>For Anodized Finish, Add</i>	222.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	305.91	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	770.65	88.93
			<i>For Flange Frame, Add</i>	59.28	
			<i>For Clear Lacquer Finish, Add</i>	118.56	
			<i>For Baked Enamel Standard Colors, Add</i>	177.84	
			<i>For Anodized Finish, Add</i>	237.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	326.04	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	835.77	94.49
			<i>For Flange Frame, Add</i>	64.68	
			<i>For Clear Lacquer Finish, Add</i>	129.36	
			<i>For Baked Enamel Standard Colors, Add</i>	194.04	
			<i>For Anodized Finish, Add</i>	258.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	355.74	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	886.49	100.04
			<i>For Flange Frame, Add</i>	68.64	
			<i>For Clear Lacquer Finish, Add</i>	137.28	
			<i>For Baked Enamel Standard Colors, Add</i>	205.92	
			<i>For Anodized Finish, Add</i>	274.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	377.52	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	942.60	105.60
			<i>For Flange Frame, Add</i>	73.14	
			<i>For Clear Lacquer Finish, Add</i>	146.28	
			<i>For Baked Enamel Standard Colors, Add</i>	219.42	
			<i>For Anodized Finish, Add</i>	292.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	402.27	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,001.12	111.16
			<i>For Flange Frame, Add</i>	77.88	
			<i>For Clear Lacquer Finish, Add</i>	155.76	
			<i>For Baked Enamel Standard Colors, Add</i>	233.64	
			<i>For Anodized Finish, Add</i>	311.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	428.34	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,055.59	119.49
			<i>For Flange Frame, Add</i>	81.66	
			<i>For Clear Lacquer Finish, Add</i>	163.32	
			<i>For Baked Enamel Standard Colors, Add</i>	244.98	
			<i>For Anodized Finish, Add</i>	326.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	449.13	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0031 EA 18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,128.66	127.83
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	87.30	
For Clear Lacquer Finish, Add	174.60	
For Baked Enamel Standard Colors, Add	261.90	
For Anodized Finish, Add	349.20	
For Kynar™ Standard Colors Finish, Add	480.15	
08 91 19 00-0032 EA 24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	312.86	36.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	24.06	
For Clear Lacquer Finish, Add	48.12	
For Baked Enamel Standard Colors, Add	72.18	
For Anodized Finish, Add	96.24	
For Kynar™ Standard Colors Finish, Add	132.33	
08 91 19 00-0033 EA 24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	373.93	44.46
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	28.50	
For Clear Lacquer Finish, Add	57.00	
For Baked Enamel Standard Colors, Add	85.50	
For Anodized Finish, Add	114.00	
For Kynar™ Standard Colors Finish, Add	156.75	
08 91 19 00-0034 EA 24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	461.40	52.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	35.58	
For Clear Lacquer Finish, Add	71.16	
For Baked Enamel Standard Colors, Add	106.74	
For Anodized Finish, Add	142.32	
For Kynar™ Standard Colors Finish, Add	195.69	
08 91 19 00-0035 EA 24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	545.43	63.92
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	41.76	
For Clear Lacquer Finish, Add	83.52	
For Baked Enamel Standard Colors, Add	125.28	
For Anodized Finish, Add	167.04	
For Kynar™ Standard Colors Finish, Add	229.68	
08 91 19 00-0036 EA 24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	621.35	69.47
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	
08 91 19 00-0037 EA 24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	691.86	75.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	54.18	
For Clear Lacquer Finish, Add	108.36	
For Baked Enamel Standard Colors, Add	162.54	
For Anodized Finish, Add	216.72	
For Kynar™ Standard Colors Finish, Add	297.99	
08 91 19 00-0038 EA 24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	753.53	83.37
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	58.68	
For Clear Lacquer Finish, Add	117.36	
For Baked Enamel Standard Colors, Add	176.04	
For Anodized Finish, Add	234.72	
For Kynar™ Standard Colors Finish, Add	322.74	
08 91 19 00-0039 EA 24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	835.77	94.49
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0040 EA 24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	888.89	100.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.88	
For Clear Lacquer Finish, Add	137.76	
For Baked Enamel Standard Colors, Add	206.64	
For Anodized Finish, Add	275.52	
For Kynar™ Standard Colors Finish, Add	378.84	
08 91 19 00-0041 EA 24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	977.72	111.16
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	75.54	
For Clear Lacquer Finish, Add	151.08	
For Baked Enamel Standard Colors, Add	226.62	
For Anodized Finish, Add	302.16	
For Kynar™ Standard Colors Finish, Add	415.47	
08 91 19 00-0042 EA 24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,032.63	116.72
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.92	
For Clear Lacquer Finish, Add	159.84	
For Baked Enamel Standard Colors, Add	239.76	
For Anodized Finish, Add	319.68	
For Kynar™ Standard Colors Finish, Add	439.56	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,102.55	122.27
			<i>For Flange Frame, Add</i>	85.80	
			<i>For Clear Lacquer Finish, Add</i>	171.60	
			<i>For Baked Enamel Standard Colors, Add</i>	257.40	
			<i>For Anodized Finish, Add</i>	343.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	471.90	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,171.26	127.83
			<i>For Flange Frame, Add</i>	91.56	
			<i>For Clear Lacquer Finish, Add</i>	183.12	
			<i>For Baked Enamel Standard Colors, Add</i>	274.68	
			<i>For Anodized Finish, Add</i>	366.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	503.58	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,226.93	136.17
			<i>For Flange Frame, Add</i>	95.46	
			<i>For Clear Lacquer Finish, Add</i>	190.92	
			<i>For Baked Enamel Standard Colors, Add</i>	286.38	
			<i>For Anodized Finish, Add</i>	381.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	525.03	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,314.41	144.50
			<i>For Flange Frame, Add</i>	102.54	
			<i>For Clear Lacquer Finish, Add</i>	205.08	
			<i>For Baked Enamel Standard Colors, Add</i>	307.62	
			<i>For Anodized Finish, Add</i>	410.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	563.97	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	351.57	41.69
			<i>For Flange Frame, Add</i>	26.82	
			<i>For Clear Lacquer Finish, Add</i>	53.64	
			<i>For Baked Enamel Standard Colors, Add</i>	80.46	
			<i>For Anodized Finish, Add</i>	107.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	147.51	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	456.16	55.57
			<i>For Flange Frame, Add</i>	34.50	
			<i>For Clear Lacquer Finish, Add</i>	69.00	
			<i>For Baked Enamel Standard Colors, Add</i>	103.50	
			<i>For Anodized Finish, Add</i>	138.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	189.75	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	531.63	63.92
			<i>For Flange Frame, Add</i>	40.38	
			<i>For Clear Lacquer Finish, Add</i>	80.76	
			<i>For Baked Enamel Standard Colors, Add</i>	121.14	
			<i>For Anodized Finish, Add</i>	161.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	222.09	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	618.50	72.26
			<i>For Flange Frame, Add</i>	47.40	
			<i>For Clear Lacquer Finish, Add</i>	94.80	
			<i>For Baked Enamel Standard Colors, Add</i>	142.20	
			<i>For Anodized Finish, Add</i>	189.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	260.70	
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	708.82	77.81
			<i>For Flange Frame, Add</i>	55.32	
			<i>For Clear Lacquer Finish, Add</i>	110.64	
			<i>For Baked Enamel Standard Colors, Add</i>	165.96	
			<i>For Anodized Finish, Add</i>	221.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	304.26	
08 91	19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	787.89	86.14
			<i>For Flange Frame, Add</i>	61.56	
			<i>For Clear Lacquer Finish, Add</i>	123.12	
			<i>For Baked Enamel Standard Colors, Add</i>	184.68	
			<i>For Anodized Finish, Add</i>	246.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	338.58	
08 91	19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	846.40	91.70
			<i>For Flange Frame, Add</i>	66.30	
			<i>For Clear Lacquer Finish, Add</i>	132.60	
			<i>For Baked Enamel Standard Colors, Add</i>	198.90	
			<i>For Anodized Finish, Add</i>	265.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	364.65	
08 91	19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	929.09	100.04
			<i>For Flange Frame, Add</i>	72.90	
			<i>For Clear Lacquer Finish, Add</i>	145.80	
			<i>For Baked Enamel Standard Colors, Add</i>	218.70	
			<i>For Anodized Finish, Add</i>	291.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	400.95	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	994.20	105.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	78.30	
			For Clear Lacquer Finish, Add	156.60	
			For Baked Enamel Standard Colors, Add	234.90	
			For Anodized Finish, Add	313.20	
			For Kynar™ Standard Colors Finish, Add	430.65	
08 91	19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,095.63	116.72
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.22	
			For Clear Lacquer Finish, Add	172.44	
			For Baked Enamel Standard Colors, Add	258.66	
			For Anodized Finish, Add	344.88	
			For Kynar™ Standard Colors Finish, Add	474.21	
08 91	19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,161.50	125.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.14	
			For Clear Lacquer Finish, Add	182.28	
			For Baked Enamel Standard Colors, Add	273.42	
			For Anodized Finish, Add	364.56	
			For Kynar™ Standard Colors Finish, Add	501.27	
08 91	19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,235.62	130.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	97.44	
			For Clear Lacquer Finish, Add	194.88	
			For Baked Enamel Standard Colors, Add	292.32	
			For Anodized Finish, Add	389.76	
			For Kynar™ Standard Colors Finish, Add	535.92	
08 91	19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,309.13	136.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	103.68	
			For Clear Lacquer Finish, Add	207.36	
			For Baked Enamel Standard Colors, Add	311.04	
			For Anodized Finish, Add	414.72	
			For Kynar™ Standard Colors Finish, Add	570.24	
08 91	19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,373.81	144.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	108.48	
			For Clear Lacquer Finish, Add	216.96	
			For Baked Enamel Standard Colors, Add	325.44	
			For Anodized Finish, Add	433.92	
			For Kynar™ Standard Colors Finish, Add	596.64	
08 91	19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,472.08	152.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	116.64	
			For Clear Lacquer Finish, Add	233.28	
			For Baked Enamel Standard Colors, Add	349.92	
			For Anodized Finish, Add	466.56	
			For Kynar™ Standard Colors Finish, Add	641.52	
08 91	19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	390.89	47.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	29.64	
			For Clear Lacquer Finish, Add	59.28	
			For Baked Enamel Standard Colors, Add	88.92	
			For Anodized Finish, Add	118.56	
			For Kynar™ Standard Colors Finish, Add	163.02	
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	512.27	61.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	39.00	
			For Clear Lacquer Finish, Add	78.00	
			For Baked Enamel Standard Colors, Add	117.00	
			For Anodized Finish, Add	156.00	
			For Kynar™ Standard Colors Finish, Add	214.50	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	591.35	69.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.24	
			For Clear Lacquer Finish, Add	90.48	
			For Baked Enamel Standard Colors, Add	135.72	
			For Anodized Finish, Add	180.96	
			For Kynar™ Standard Colors Finish, Add	248.82	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	684.22	77.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	52.86	
			For Clear Lacquer Finish, Add	105.72	
			For Baked Enamel Standard Colors, Add	158.58	
			For Anodized Finish, Add	211.44	
			For Kynar™ Standard Colors Finish, Add	290.73	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	786.36	84.48
			Note: Includes bird screen.		
			For Flange Frame, Add	61.74	
			For Clear Lacquer Finish, Add	123.48	
			For Baked Enamel Standard Colors, Add	185.22	
			For Anodized Finish, Add	246.96	
			For Kynar™ Standard Colors Finish, Add	339.57	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	867.40	91.70
			<i>For Flange Frame, Add</i>	68.40	
			<i>For Clear Lacquer Finish, Add</i>	136.80	
			<i>For Baked Enamel Standard Colors, Add</i>	205.20	
			<i>For Anodized Finish, Add</i>	273.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	376.20	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	936.73	97.26
			<i>For Flange Frame, Add</i>	74.22	
			<i>For Clear Lacquer Finish, Add</i>	148.44	
			<i>For Baked Enamel Standard Colors, Add</i>	222.66	
			<i>For Anodized Finish, Add</i>	296.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	408.21	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,030.20	105.60
			<i>For Flange Frame, Add</i>	81.90	
			<i>For Clear Lacquer Finish, Add</i>	163.80	
			<i>For Baked Enamel Standard Colors, Add</i>	245.70	
			<i>For Anodized Finish, Add</i>	327.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	450.45	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,102.67	113.93
			<i>For Flange Frame, Add</i>	87.48	
			<i>For Clear Lacquer Finish, Add</i>	174.96	
			<i>For Baked Enamel Standard Colors, Add</i>	262.44	
			<i>For Anodized Finish, Add</i>	349.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	481.14	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,213.55	122.27
			<i>For Flange Frame, Add</i>	96.90	
			<i>For Clear Lacquer Finish, Add</i>	193.80	
			<i>For Baked Enamel Standard Colors, Add</i>	290.70	
			<i>For Anodized Finish, Add</i>	387.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	532.95	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,289.02	130.61
			<i>For Flange Frame, Add</i>	102.78	
			<i>For Clear Lacquer Finish, Add</i>	205.56	
			<i>For Baked Enamel Standard Colors, Add</i>	308.34	
			<i>For Anodized Finish, Add</i>	411.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	565.29	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,367.93	136.17
			<i>For Flange Frame, Add</i>	109.56	
			<i>For Clear Lacquer Finish, Add</i>	219.12	
			<i>For Baked Enamel Standard Colors, Add</i>	328.68	
			<i>For Anodized Finish, Add</i>	438.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	602.58	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,449.85	141.73
			<i>For Flange Frame, Add</i>	116.64	
			<i>For Clear Lacquer Finish, Add</i>	233.28	
			<i>For Baked Enamel Standard Colors, Add</i>	349.92	
			<i>For Anodized Finish, Add</i>	466.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	641.52	
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,522.92	150.06
			<i>For Flange Frame, Add</i>	122.28	
			<i>For Clear Lacquer Finish, Add</i>	244.56	
			<i>For Baked Enamel Standard Colors, Add</i>	366.84	
			<i>For Anodized Finish, Add</i>	489.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	672.54	
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,633.20	158.40
			<i>For Flange Frame, Add</i>	131.64	
			<i>For Clear Lacquer Finish, Add</i>	263.28	
			<i>For Baked Enamel Standard Colors, Add</i>	394.92	
			<i>For Anodized Finish, Add</i>	526.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	724.02	
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	453.00	52.80
			<i>For Flange Frame, Add</i>	34.74	
			<i>For Clear Lacquer Finish, Add</i>	69.48	
			<i>For Baked Enamel Standard Colors, Add</i>	104.22	
			<i>For Anodized Finish, Add</i>	138.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	191.07	
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	556.99	66.70
			<i>For Flange Frame, Add</i>	42.36	
			<i>For Clear Lacquer Finish, Add</i>	84.72	
			<i>For Baked Enamel Standard Colors, Add</i>	127.08	
			<i>For Anodized Finish, Add</i>	169.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	232.98	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	643.86	75.03
			Note: Includes bird screen.		
			For Flange Frame, Add	49.38	
			For Clear Lacquer Finish, Add	98.76	
			For Baked Enamel Standard Colors, Add	148.14	
			For Anodized Finish, Add	197.52	
			For Kynar™ Standard Colors Finish, Add	271.59	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	751.89	86.14
			Note: Includes bird screen.		
			For Flange Frame, Add	57.96	
			For Clear Lacquer Finish, Add	115.92	
			For Baked Enamel Standard Colors, Add	173.88	
			For Anodized Finish, Add	231.84	
			For Kynar™ Standard Colors Finish, Add	318.78	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	861.40	91.70
			Note: Includes bird screen.		
			For Flange Frame, Add	67.80	
			For Clear Lacquer Finish, Add	135.60	
			For Baked Enamel Standard Colors, Add	203.40	
			For Anodized Finish, Add	271.20	
			For Kynar™ Standard Colors Finish, Add	372.90	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	949.93	97.26
			Note: Includes bird screen.		
			For Flange Frame, Add	75.54	
			For Clear Lacquer Finish, Add	151.08	
			For Baked Enamel Standard Colors, Add	226.62	
			For Anodized Finish, Add	302.16	
			For Kynar™ Standard Colors Finish, Add	415.47	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,027.04	102.82
			Note: Includes bird screen.		
			For Flange Frame, Add	82.14	
			For Clear Lacquer Finish, Add	164.28	
			For Baked Enamel Standard Colors, Add	246.42	
			For Anodized Finish, Add	328.56	
			For Kynar™ Standard Colors Finish, Add	451.77	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,120.52	111.16
			Note: Includes bird screen.		
			For Flange Frame, Add	89.82	
			For Clear Lacquer Finish, Add	179.64	
			For Baked Enamel Standard Colors, Add	269.46	
			For Anodized Finish, Add	359.28	
			For Kynar™ Standard Colors Finish, Add	494.01	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,201.39	119.49
			Note: Includes bird screen.		
			For Flange Frame, Add	96.24	
			For Clear Lacquer Finish, Add	192.48	
			For Baked Enamel Standard Colors, Add	288.72	
			For Anodized Finish, Add	384.96	
			For Kynar™ Standard Colors Finish, Add	529.32	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,323.66	127.83
			Note: Includes bird screen.		
			For Flange Frame, Add	106.80	
			For Clear Lacquer Finish, Add	213.60	
			For Baked Enamel Standard Colors, Add	320.40	
			For Anodized Finish, Add	427.20	
			For Kynar™ Standard Colors Finish, Add	587.40	
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,404.53	136.17
			Note: Includes bird screen.		
			For Flange Frame, Add	113.22	
			For Clear Lacquer Finish, Add	226.44	
			For Baked Enamel Standard Colors, Add	339.66	
			For Anodized Finish, Add	452.88	
			For Kynar™ Standard Colors Finish, Add	622.71	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,493.05	141.73
			Note: Includes bird screen.		
			For Flange Frame, Add	120.96	
			For Clear Lacquer Finish, Add	241.92	
			For Baked Enamel Standard Colors, Add	362.88	
			For Anodized Finish, Add	483.84	
			For Kynar™ Standard Colors Finish, Add	665.28	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,582.16	147.29
			Note: Includes bird screen.		
			For Flange Frame, Add	128.76	
			For Clear Lacquer Finish, Add	257.52	
			For Baked Enamel Standard Colors, Add	386.28	
			For Anodized Finish, Add	515.04	
			For Kynar™ Standard Colors Finish, Add	708.18	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,667.24	155.62
			Note: Includes bird screen.		
			For Flange Frame, Add	135.60	
			For Clear Lacquer Finish, Add	271.20	
			For Baked Enamel Standard Colors, Add	406.80	
			For Anodized Finish, Add	542.40	
			For Kynar™ Standard Colors Finish, Add	745.80	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,785.32 145.74 291.48 437.22 582.96 801.57	163.96
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	495.92 37.92 75.84 113.76 151.68 208.56	58.36
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	608.30 46.38 92.76 139.14 185.52 255.09	72.26
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	711.53 54.48 108.96 163.44 217.92 299.64	83.37
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	815.80 63.24 126.48 189.72 252.96 347.82	91.70
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	940.33 74.58 149.16 223.74 298.32 410.19	97.26
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,042.04 83.64 167.28 250.92 334.56 460.02	102.82
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,128.92 90.66 181.32 271.98 362.64 498.63	111.16
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,261.99 102.30 204.60 306.90 409.20 562.65	119.49
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,323.66 106.80 213.60 320.40 427.20 587.40	127.83
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,453.73 118.14 236.28 354.42 472.56 649.77	136.17
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,546.01 125.70 251.40 377.10 502.80 691.35	144.50

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0103 EA 48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,644.12	150.06
Note: Includes bird screen.		
For Flange Frame, Add	134.40	
For Clear Lacquer Finish, Add	268.80	
For Baked Enamel Standard Colors, Add	403.20	
For Anodized Finish, Add	537.60	
For Kynar™ Standard Colors Finish, Add	739.20	
08 91 19 00-0104 EA 48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,742.24	155.62
Note: Includes bird screen.		
For Flange Frame, Add	143.10	
For Clear Lacquer Finish, Add	286.20	
For Baked Enamel Standard Colors, Add	429.30	
For Anodized Finish, Add	572.40	
For Kynar™ Standard Colors Finish, Add	787.05	
08 91 19 00-0105 EA 48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,824.76	161.18
Note: Includes bird screen.		
For Flange Frame, Add	150.24	
For Clear Lacquer Finish, Add	300.48	
For Baked Enamel Standard Colors, Add	450.72	
For Anodized Finish, Add	600.96	
For Kynar™ Standard Colors Finish, Add	826.32	
08 91 19 00-0106 EA 48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,959.63	169.52
Note: Includes bird screen.		
For Flange Frame, Add	162.06	
For Clear Lacquer Finish, Add	324.12	
For Baked Enamel Standard Colors, Add	486.18	
For Anodized Finish, Add	648.24	
For Kynar™ Standard Colors Finish, Add	891.33	
08 91 19 00-0107 EA 54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	550.99	66.70
Note: Includes bird screen.		
For Flange Frame, Add	41.76	
For Clear Lacquer Finish, Add	83.52	
For Baked Enamel Standard Colors, Add	125.28	
For Anodized Finish, Add	167.04	
For Kynar™ Standard Colors Finish, Add	229.68	
08 91 19 00-0108 EA 54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	675.38	80.59
Note: Includes bird screen.		
For Flange Frame, Add	51.42	
For Clear Lacquer Finish, Add	102.84	
For Baked Enamel Standard Colors, Add	154.26	
For Anodized Finish, Add	205.68	
For Kynar™ Standard Colors Finish, Add	282.81	
08 91 19 00-0109 EA 54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	790.77	94.49
Note: Includes bird screen.		
For Flange Frame, Add	60.18	
For Clear Lacquer Finish, Add	120.36	
For Baked Enamel Standard Colors, Add	180.54	
For Anodized Finish, Add	240.72	
For Kynar™ Standard Colors Finish, Add	330.99	
08 91 19 00-0110 EA 54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	899.69	100.04
Note: Includes bird screen.		
For Flange Frame, Add	69.96	
For Clear Lacquer Finish, Add	139.92	
For Baked Enamel Standard Colors, Add	209.88	
For Anodized Finish, Add	279.84	
For Kynar™ Standard Colors Finish, Add	384.78	
08 91 19 00-0111 EA 54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,047.60	105.60
Note: Includes bird screen.		
For Flange Frame, Add	83.64	
For Clear Lacquer Finish, Add	167.28	
For Baked Enamel Standard Colors, Add	250.92	
For Anodized Finish, Add	334.56	
For Kynar™ Standard Colors Finish, Add	460.02	
08 91 19 00-0112 EA 54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,151.72	111.16
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0113 EA 54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,252.39	119.49
Note: Includes bird screen.		
For Flange Frame, Add	101.34	
For Clear Lacquer Finish, Add	202.68	
For Baked Enamel Standard Colors, Add	304.02	
For Anodized Finish, Add	405.36	
For Kynar™ Standard Colors Finish, Add	557.37	
08 91 19 00-0114 EA 54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,396.86	127.83
Note: Includes bird screen.		
For Flange Frame, Add	114.12	
For Clear Lacquer Finish, Add	228.24	
For Baked Enamel Standard Colors, Add	342.36	
For Anodized Finish, Add	456.48	
For Kynar™ Standard Colors Finish, Add	627.66	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,500.53	136.17
			<i>For Flange Frame, Add</i>	122.82	
			<i>For Clear Lacquer Finish, Add</i>	245.64	
			<i>For Baked Enamel Standard Colors, Add</i>	368.46	
			<i>For Anodized Finish, Add</i>	491.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	675.51	
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,651.61	144.50
			<i>For Flange Frame, Add</i>	136.26	
			<i>For Clear Lacquer Finish, Add</i>	272.52	
			<i>For Baked Enamel Standard Colors, Add</i>	408.78	
			<i>For Anodized Finish, Add</i>	545.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	749.43	
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,749.12	150.06
			<i>For Flange Frame, Add</i>	144.90	
			<i>For Clear Lacquer Finish, Add</i>	289.80	
			<i>For Baked Enamel Standard Colors, Add</i>	434.70	
			<i>For Anodized Finish, Add</i>	579.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	796.95	
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,859.84	155.62
			<i>For Flange Frame, Add</i>	154.86	
			<i>For Clear Lacquer Finish, Add</i>	309.72	
			<i>For Baked Enamel Standard Colors, Add</i>	464.58	
			<i>For Anodized Finish, Add</i>	619.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	851.73	
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,966.36	161.18
			<i>For Flange Frame, Add</i>	164.40	
			<i>For Clear Lacquer Finish, Add</i>	328.80	
			<i>For Baked Enamel Standard Colors, Add</i>	493.20	
			<i>For Anodized Finish, Add</i>	657.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	904.20	
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,055.48	166.73
			<i>For Flange Frame, Add</i>	172.20	
			<i>For Clear Lacquer Finish, Add</i>	344.40	
			<i>For Baked Enamel Standard Colors, Add</i>	516.60	
			<i>For Anodized Finish, Add</i>	688.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	947.10	
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,211.35	175.07
			<i>For Flange Frame, Add</i>	186.12	
			<i>For Clear Lacquer Finish, Add</i>	372.24	
			<i>For Baked Enamel Standard Colors, Add</i>	558.36	
			<i>For Anodized Finish, Add</i>	744.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,023.66	
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	592.70	72.26
			<i>For Flange Frame, Add</i>	44.82	
			<i>For Clear Lacquer Finish, Add</i>	89.64	
			<i>For Baked Enamel Standard Colors, Add</i>	134.46	
			<i>For Anodized Finish, Add</i>	179.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	246.51	
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	731.05	88.93
			<i>For Flange Frame, Add</i>	55.32	
			<i>For Clear Lacquer Finish, Add</i>	110.64	
			<i>For Baked Enamel Standard Colors, Add</i>	165.96	
			<i>For Anodized Finish, Add</i>	221.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	304.26	
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	846.89	100.04
			<i>For Flange Frame, Add</i>	64.68	
			<i>For Clear Lacquer Finish, Add</i>	129.36	
			<i>For Baked Enamel Standard Colors, Add</i>	194.04	
			<i>For Anodized Finish, Add</i>	258.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	355.74	
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	972.00	105.60
			<i>For Flange Frame, Add</i>	76.08	
			<i>For Clear Lacquer Finish, Add</i>	152.16	
			<i>For Baked Enamel Standard Colors, Add</i>	228.24	
			<i>For Anodized Finish, Add</i>	304.32	
			<i>For Kynar™ Standard Colors Finish, Add</i>	418.44	
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,128.47	113.93
			<i>For Flange Frame, Add</i>	90.06	
			<i>For Clear Lacquer Finish, Add</i>	180.12	
			<i>For Baked Enamel Standard Colors, Add</i>	270.18	
			<i>For Anodized Finish, Add</i>	360.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	495.33	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,244.59	119.49
			<i>For Flange Frame, Add</i>	100.56	
			<i>For Clear Lacquer Finish, Add</i>	201.12	
			<i>For Baked Enamel Standard Colors, Add</i>	301.68	
			<i>For Anodized Finish, Add</i>	402.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	553.08	
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,349.46	127.83
			<i>For Flange Frame, Add</i>	109.38	
			<i>For Clear Lacquer Finish, Add</i>	218.76	
			<i>For Baked Enamel Standard Colors, Add</i>	328.14	
			<i>For Anodized Finish, Add</i>	437.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	601.59	
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,503.53	136.17
			<i>For Flange Frame, Add</i>	123.12	
			<i>For Clear Lacquer Finish, Add</i>	246.24	
			<i>For Baked Enamel Standard Colors, Add</i>	369.36	
			<i>For Anodized Finish, Add</i>	492.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	677.16	
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,614.41	144.50
			<i>For Flange Frame, Add</i>	132.54	
			<i>For Clear Lacquer Finish, Add</i>	265.08	
			<i>For Baked Enamel Standard Colors, Add</i>	397.62	
			<i>For Anodized Finish, Add</i>	530.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	728.97	
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,777.48	152.84
			<i>For Flange Frame, Add</i>	147.18	
			<i>For Clear Lacquer Finish, Add</i>	294.36	
			<i>For Baked Enamel Standard Colors, Add</i>	441.54	
			<i>For Anodized Finish, Add</i>	588.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	809.49	
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,881.00	158.40
			<i>For Flange Frame, Add</i>	156.42	
			<i>For Clear Lacquer Finish, Add</i>	312.84	
			<i>For Baked Enamel Standard Colors, Add</i>	469.26	
			<i>For Anodized Finish, Add</i>	625.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	860.31	
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,998.32	163.96
			<i>For Flange Frame, Add</i>	167.04	
			<i>For Clear Lacquer Finish, Add</i>	334.08	
			<i>For Baked Enamel Standard Colors, Add</i>	501.12	
			<i>For Anodized Finish, Add</i>	668.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	918.72	
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,113.23	169.52
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,211.35	175.07
			<i>For Flange Frame, Add</i>	186.12	
			<i>For Clear Lacquer Finish, Add</i>	372.24	
			<i>For Baked Enamel Standard Colors, Add</i>	558.36	
			<i>For Anodized Finish, Add</i>	744.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,023.66	
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,371.86	180.63
			<i>For Flange Frame, Add</i>	201.06	
			<i>For Clear Lacquer Finish, Add</i>	402.12	
			<i>For Baked Enamel Standard Colors, Add</i>	603.18	
			<i>For Anodized Finish, Add</i>	804.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,105.83	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	678.82	77.81
			<i>For Flange Frame, Add</i>	52.32	
			<i>For Clear Lacquer Finish, Add</i>	104.64	
			<i>For Baked Enamel Standard Colors, Add</i>	156.96	
			<i>For Anodized Finish, Add</i>	209.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	287.76	
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	838.17	94.49
			<i>For Flange Frame, Add</i>	64.92	
			<i>For Clear Lacquer Finish, Add</i>	129.84	
			<i>For Baked Enamel Standard Colors, Add</i>	194.76	
			<i>For Anodized Finish, Add</i>	259.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	357.06	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	977.72	111.16
			<i>For Flange Frame, Add</i>	75.54	
			<i>For Clear Lacquer Finish, Add</i>	151.08	
			<i>For Baked Enamel Standard Colors, Add</i>	226.62	
			<i>For Anodized Finish, Add</i>	302.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	415.47	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,113.63	116.72
			<i>For Flange Frame, Add</i>	88.02	
			<i>For Clear Lacquer Finish, Add</i>	176.04	
			<i>For Baked Enamel Standard Colors, Add</i>	264.06	
			<i>For Anodized Finish, Add</i>	352.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	484.11	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,292.75	122.27
			<i>For Flange Frame, Add</i>	104.82	
			<i>For Clear Lacquer Finish, Add</i>	209.64	
			<i>For Baked Enamel Standard Colors, Add</i>	314.46	
			<i>For Anodized Finish, Add</i>	419.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	576.51	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,419.06	127.83
			<i>For Flange Frame, Add</i>	116.34	
			<i>For Clear Lacquer Finish, Add</i>	232.68	
			<i>For Baked Enamel Standard Colors, Add</i>	349.02	
			<i>For Anodized Finish, Add</i>	465.36	
			<i>For Kynar™ Standard Colors Finish, Add</i>	639.87	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,543.13	136.17
			<i>For Flange Frame, Add</i>	127.08	
			<i>For Clear Lacquer Finish, Add</i>	254.16	
			<i>For Baked Enamel Standard Colors, Add</i>	381.24	
			<i>For Anodized Finish, Add</i>	508.32	
			<i>For Kynar™ Standard Colors Finish, Add</i>	698.94	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,687.61	144.50
			<i>For Flange Frame, Add</i>	139.86	
			<i>For Clear Lacquer Finish, Add</i>	279.72	
			<i>For Baked Enamel Standard Colors, Add</i>	419.58	
			<i>For Anodized Finish, Add</i>	559.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	769.23	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,811.08	152.84
			<i>For Flange Frame, Add</i>	150.54	
			<i>For Clear Lacquer Finish, Add</i>	301.08	
			<i>For Baked Enamel Standard Colors, Add</i>	451.62	
			<i>For Anodized Finish, Add</i>	602.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	827.97	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,999.52	163.96
			<i>For Flange Frame, Add</i>	167.16	
			<i>For Clear Lacquer Finish, Add</i>	334.32	
			<i>For Baked Enamel Standard Colors, Add</i>	501.48	
			<i>For Anodized Finish, Add</i>	668.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	919.38	
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,118.79	172.29
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,242.70	177.85
			<i>For Flange Frame, Add</i>	188.70	
			<i>For Clear Lacquer Finish, Add</i>	377.40	
			<i>For Baked Enamel Standard Colors, Add</i>	566.10	
			<i>For Anodized Finish, Add</i>	754.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,037.85	
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,369.02	183.40
			<i>For Flange Frame, Add</i>	200.22	
			<i>For Clear Lacquer Finish, Add</i>	400.44	
			<i>For Baked Enamel Standard Colors, Add</i>	600.66	
			<i>For Anodized Finish, Add</i>	800.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,101.21	
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,479.13	188.97
			<i>For Flange Frame, Add</i>	210.12	
			<i>For Clear Lacquer Finish, Add</i>	420.24	
			<i>For Baked Enamel Standard Colors, Add</i>	630.36	
			<i>For Anodized Finish, Add</i>	840.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,155.66	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,657.65	194.53
			<i>For Flange Frame, Add</i>	226.86	
			<i>For Clear Lacquer Finish, Add</i>	453.72	
			<i>For Baked Enamel Standard Colors, Add</i>	680.58	
			<i>For Anodized Finish, Add</i>	907.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,247.73	
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	717.53	83.37
			<i>For Flange Frame, Add</i>	55.08	
			<i>For Clear Lacquer Finish, Add</i>	110.16	
			<i>For Baked Enamel Standard Colors, Add</i>	165.24	
			<i>For Anodized Finish, Add</i>	220.32	
			<i>For Kynar™ Standard Colors Finish, Add</i>	302.94	
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	884.09	100.04
			<i>For Flange Frame, Add</i>	68.40	
			<i>For Clear Lacquer Finish, Add</i>	136.80	
			<i>For Baked Enamel Standard Colors, Add</i>	205.20	
			<i>For Anodized Finish, Add</i>	273.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	376.20	
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,030.23	116.72
			<i>For Flange Frame, Add</i>	79.68	
			<i>For Clear Lacquer Finish, Add</i>	159.36	
			<i>For Baked Enamel Standard Colors, Add</i>	239.04	
			<i>For Anodized Finish, Add</i>	318.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	438.24	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,179.50	125.05
			<i>For Flange Frame, Add</i>	92.94	
			<i>For Clear Lacquer Finish, Add</i>	185.88	
			<i>For Baked Enamel Standard Colors, Add</i>	278.82	
			<i>For Anodized Finish, Add</i>	371.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	511.17	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,371.22	130.61
			<i>For Flange Frame, Add</i>	111.00	
			<i>For Clear Lacquer Finish, Add</i>	222.00	
			<i>For Baked Enamel Standard Colors, Add</i>	333.00	
			<i>For Anodized Finish, Add</i>	444.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	610.50	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,504.13	136.17
			<i>For Flange Frame, Add</i>	123.18	
			<i>For Clear Lacquer Finish, Add</i>	246.36	
			<i>For Baked Enamel Standard Colors, Add</i>	369.54	
			<i>For Anodized Finish, Add</i>	492.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	677.49	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,636.01	144.50
			<i>For Flange Frame, Add</i>	134.70	
			<i>For Clear Lacquer Finish, Add</i>	269.40	
			<i>For Baked Enamel Standard Colors, Add</i>	404.10	
			<i>For Anodized Finish, Add</i>	538.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	740.85	
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,782.72	150.06
			<i>For Flange Frame, Add</i>	148.26	
			<i>For Clear Lacquer Finish, Add</i>	296.52	
			<i>For Baked Enamel Standard Colors, Add</i>	444.78	
			<i>For Anodized Finish, Add</i>	593.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	815.43	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,911.60	158.40
			<i>For Flange Frame, Add</i>	159.48	
			<i>For Clear Lacquer Finish, Add</i>	318.96	
			<i>For Baked Enamel Standard Colors, Add</i>	478.44	
			<i>For Anodized Finish, Add</i>	637.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	877.14	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,118.79	172.29
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,249.46	180.63
			<i>For Flange Frame, Add</i>	188.82	
			<i>For Clear Lacquer Finish, Add</i>	377.64	
			<i>For Baked Enamel Standard Colors, Add</i>	566.46	
			<i>For Anodized Finish, Add</i>	755.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,038.51	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163 EA 72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,376.98	186.19
Note: Includes bird screen.		
For Flange Frame, Add	200.46	
For Clear Lacquer Finish, Add	400.92	
For Baked Enamel Standard Colors, Add	601.38	
For Anodized Finish, Add	801.84	
For Kynar™ Standard Colors Finish, Add	1,102.53	
08 91 19 00-0164 EA 72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,506.29	191.75
Note: Includes bird screen.		
For Flange Frame, Add	212.28	
For Clear Lacquer Finish, Add	424.56	
For Baked Enamel Standard Colors, Add	636.84	
For Anodized Finish, Add	849.12	
For Kynar™ Standard Colors Finish, Add	1,167.54	
08 91 19 00-0165 EA 72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,627.81	197.30
Note: Includes bird screen.		
For Flange Frame, Add	223.32	
For Clear Lacquer Finish, Add	446.64	
For Baked Enamel Standard Colors, Add	669.96	
For Anodized Finish, Add	893.28	
For Kynar™ Standard Colors Finish, Add	1,228.26	
08 91 19 00-0166 EA 72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,817.72	202.86
Note: Includes bird screen.		
For Flange Frame, Add	241.20	
For Clear Lacquer Finish, Add	482.40	
For Baked Enamel Standard Colors, Add	723.60	
For Anodized Finish, Add	964.80	
For Kynar™ Standard Colors Finish, Add	1,326.60	
08 91 19 00-0167 EA 78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	763.45	88.93
Note: Includes bird screen.		
For Flange Frame, Add	58.56	
For Clear Lacquer Finish, Add	117.12	
For Baked Enamel Standard Colors, Add	175.68	
For Anodized Finish, Add	234.24	
For Kynar™ Standard Colors Finish, Add	322.08	
08 91 19 00-0168 EA 78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	934.20	105.60
Note: Includes bird screen.		
For Flange Frame, Add	72.30	
For Clear Lacquer Finish, Add	144.60	
For Baked Enamel Standard Colors, Add	216.90	
For Anodized Finish, Add	289.20	
For Kynar™ Standard Colors Finish, Add	397.65	
08 91 19 00-0169 EA 78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,083.35	122.27
Note: Includes bird screen.		
For Flange Frame, Add	83.88	
For Clear Lacquer Finish, Add	167.76	
For Baked Enamel Standard Colors, Add	251.64	
For Anodized Finish, Add	335.52	
For Kynar™ Standard Colors Finish, Add	461.34	
08 91 19 00-0170 EA 78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,242.22	130.61
Note: Includes bird screen.		
For Flange Frame, Add	98.10	
For Clear Lacquer Finish, Add	196.20	
For Baked Enamel Standard Colors, Add	294.30	
For Anodized Finish, Add	392.40	
For Kynar™ Standard Colors Finish, Add	539.55	
08 91 19 00-0171 EA 78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,444.73	136.17
Note: Includes bird screen.		
For Flange Frame, Add	117.24	
For Clear Lacquer Finish, Add	234.48	
For Baked Enamel Standard Colors, Add	351.72	
For Anodized Finish, Add	468.96	
For Kynar™ Standard Colors Finish, Add	644.82	
08 91 19 00-0172 EA 78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,583.05	141.73
Note: Includes bird screen.		
For Flange Frame, Add	129.96	
For Clear Lacquer Finish, Add	259.92	
For Baked Enamel Standard Colors, Add	389.88	
For Anodized Finish, Add	519.84	
For Kynar™ Standard Colors Finish, Add	714.78	
08 91 19 00-0173 EA 78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,723.92	150.06
Note: Includes bird screen.		
For Flange Frame, Add	142.38	
For Clear Lacquer Finish, Add	284.76	
For Baked Enamel Standard Colors, Add	427.14	
For Anodized Finish, Add	569.52	
For Kynar™ Standard Colors Finish, Add	783.09	
08 91 19 00-0174 EA 78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,879.04	155.62
Note: Includes bird screen.		
For Flange Frame, Add	156.78	
For Clear Lacquer Finish, Add	313.56	
For Baked Enamel Standard Colors, Add	470.34	
For Anodized Finish, Add	627.12	
For Kynar™ Standard Colors Finish, Add	862.29	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0175 EA 78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,016.92	163.96
Note: Includes bird screen.		
For Flange Frame, Add	168.90	
For Clear Lacquer Finish, Add	337.80	
For Baked Enamel Standard Colors, Add	506.70	
For Anodized Finish, Add	675.60	
For Kynar™ Standard Colors Finish, Add	928.95	
08 91 19 00-0176 EA 78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,236.70	177.85
Note: Includes bird screen.		
For Flange Frame, Add	188.10	
For Clear Lacquer Finish, Add	376.20	
For Baked Enamel Standard Colors, Add	564.30	
For Anodized Finish, Add	752.40	
For Kynar™ Standard Colors Finish, Add	1,034.55	
08 91 19 00-0177 EA 78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,373.38	186.19
Note: Includes bird screen.		
For Flange Frame, Add	200.10	
For Clear Lacquer Finish, Add	400.20	
For Baked Enamel Standard Colors, Add	600.30	
For Anodized Finish, Add	800.40	
For Kynar™ Standard Colors Finish, Add	1,100.55	
08 91 19 00-0178 EA 78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,516.05	194.53
Note: Includes bird screen.		
For Flange Frame, Add	212.70	
For Clear Lacquer Finish, Add	425.40	
For Baked Enamel Standard Colors, Add	638.10	
For Anodized Finish, Add	850.80	
For Kynar™ Standard Colors Finish, Add	1,169.85	
08 91 19 00-0179 EA 78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,645.36	200.09
Note: Includes bird screen.		
For Flange Frame, Add	224.52	
For Clear Lacquer Finish, Add	449.04	
For Baked Enamel Standard Colors, Add	673.56	
For Anodized Finish, Add	898.08	
For Kynar™ Standard Colors Finish, Add	1,234.86	
08 91 19 00-0180 EA 78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,774.68	205.64
Note: Includes bird screen.		
For Flange Frame, Add	236.34	
For Clear Lacquer Finish, Add	472.68	
For Baked Enamel Standard Colors, Add	709.02	
For Anodized Finish, Add	945.36	
For Kynar™ Standard Colors Finish, Add	1,299.87	
08 91 19 00-0181 EA 78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,976.59	211.20
Note: Includes bird screen.		
For Flange Frame, Add	255.42	
For Clear Lacquer Finish, Add	510.84	
For Baked Enamel Standard Colors, Add	766.26	
For Anodized Finish, Add	1,021.68	
For Kynar™ Standard Colors Finish, Add	1,404.81	
08 91 19 00-0182 EA 84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	801.57	94.49
Note: Includes bird screen.		
For Flange Frame, Add	61.26	
For Clear Lacquer Finish, Add	122.52	
For Baked Enamel Standard Colors, Add	183.78	
For Anodized Finish, Add	245.04	
For Kynar™ Standard Colors Finish, Add	336.93	
08 91 19 00-0183 EA 84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	978.92	111.16
Note: Includes bird screen.		
For Flange Frame, Add	75.66	
For Clear Lacquer Finish, Add	151.32	
For Baked Enamel Standard Colors, Add	226.98	
For Anodized Finish, Add	302.64	
For Kynar™ Standard Colors Finish, Add	416.13	
08 91 19 00-0184 EA 84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,142.46	127.83
Note: Includes bird screen.		
For Flange Frame, Add	88.68	
For Clear Lacquer Finish, Add	177.36	
For Baked Enamel Standard Colors, Add	266.04	
For Anodized Finish, Add	354.72	
For Kynar™ Standard Colors Finish, Add	487.74	
08 91 19 00-0185 EA 84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,306.13	136.17
Note: Includes bird screen.		
For Flange Frame, Add	103.38	
For Clear Lacquer Finish, Add	206.76	
For Baked Enamel Standard Colors, Add	310.14	
For Anodized Finish, Add	413.52	
For Kynar™ Standard Colors Finish, Add	568.59	
08 91 19 00-0186 EA 84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,521.25	141.73
Note: Includes bird screen.		
For Flange Frame, Add	123.78	
For Clear Lacquer Finish, Add	247.56	
For Baked Enamel Standard Colors, Add	371.34	
For Anodized Finish, Add	495.12	
For Kynar™ Standard Colors Finish, Add	680.79	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0187 EA 84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,667.36	147.29
Note: Includes bird screen.		
For Flange Frame, Add	137.28	
For Clear Lacquer Finish, Add	274.56	
For Baked Enamel Standard Colors, Add	411.84	
For Anodized Finish, Add	549.12	
For Kynar™ Standard Colors Finish, Add	755.04	
08 91 19 00-0188 EA 84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,811.24	155.62
Note: Includes bird screen.		
For Flange Frame, Add	150.00	
For Clear Lacquer Finish, Add	300.00	
For Baked Enamel Standard Colors, Add	450.00	
For Anodized Finish, Add	600.00	
For Kynar™ Standard Colors Finish, Add	825.00	
08 91 19 00-0189 EA 84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,978.36	161.18
Note: Includes bird screen.		
For Flange Frame, Add	165.60	
For Clear Lacquer Finish, Add	331.20	
For Baked Enamel Standard Colors, Add	496.80	
For Anodized Finish, Add	662.40	
For Kynar™ Standard Colors Finish, Add	910.80	
08 91 19 00-0190 EA 84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,122.83	169.52
Note: Includes bird screen.		
For Flange Frame, Add	178.38	
For Clear Lacquer Finish, Add	356.76	
For Baked Enamel Standard Colors, Add	535.14	
For Anodized Finish, Add	713.52	
For Kynar™ Standard Colors Finish, Add	981.09	
08 91 19 00-0191 EA 84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,355.22	183.40
Note: Includes bird screen.		
For Flange Frame, Add	198.84	
For Clear Lacquer Finish, Add	397.68	
For Baked Enamel Standard Colors, Add	596.52	
For Anodized Finish, Add	795.36	
For Kynar™ Standard Colors Finish, Add	1,093.62	
08 91 19 00-0192 EA 84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,496.69	191.75
Note: Includes bird screen.		
For Flange Frame, Add	211.32	
For Clear Lacquer Finish, Add	422.64	
For Baked Enamel Standard Colors, Add	633.96	
For Anodized Finish, Add	845.28	
For Kynar™ Standard Colors Finish, Add	1,162.26	
08 91 19 00-0193 EA 84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,651.36	200.09
Note: Includes bird screen.		
For Flange Frame, Add	225.12	
For Clear Lacquer Finish, Add	450.24	
For Baked Enamel Standard Colors, Add	675.36	
For Anodized Finish, Add	900.48	
For Kynar™ Standard Colors Finish, Add	1,238.16	
08 91 19 00-0194 EA 84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,814.28	205.64
Note: Includes bird screen.		
For Flange Frame, Add	240.30	
For Clear Lacquer Finish, Add	480.60	
For Baked Enamel Standard Colors, Add	720.90	
For Anodized Finish, Add	961.20	
For Kynar™ Standard Colors Finish, Add	1,321.65	
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,961.59	211.20
Note: Includes bird screen.		
For Flange Frame, Add	253.92	
For Clear Lacquer Finish, Add	507.84	
For Baked Enamel Standard Colors, Add	761.76	
For Anodized Finish, Add	1,015.68	
For Kynar™ Standard Colors Finish, Add	1,396.56	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,178.51	216.76
Note: Includes bird screen.		
For Flange Frame, Add	274.50	
For Clear Lacquer Finish, Add	549.00	
For Baked Enamel Standard Colors, Add	823.50	
For Anodized Finish, Add	1,098.00	
For Kynar™ Standard Colors Finish, Add	1,509.75	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	852.44	102.82
Note: Includes bird screen.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,032.19	119.49
Note: Includes bird screen.		
For Flange Frame, Add	79.32	
For Clear Lacquer Finish, Add	158.64	
For Baked Enamel Standard Colors, Add	237.96	
For Anodized Finish, Add	317.28	
For Kynar™ Standard Colors Finish, Add	436.26	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,201.73	136.17
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,370.21	144.50
Note: Includes bird screen.		
For Flange Frame, Add	108.12	
For Clear Lacquer Finish, Add	216.24	
For Baked Enamel Standard Colors, Add	324.36	
For Anodized Finish, Add	432.48	
For Kynar™ Standard Colors Finish, Add	594.66	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,599.72	150.06
Note: Includes bird screen.		
For Flange Frame, Add	129.96	
For Clear Lacquer Finish, Add	259.92	
For Baked Enamel Standard Colors, Add	389.88	
For Anodized Finish, Add	519.84	
For Kynar™ Standard Colors Finish, Add	714.78	
08 91 19 00-0202 EA 90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,750.64	155.62
Note: Includes bird screen.		
For Flange Frame, Add	143.94	
For Clear Lacquer Finish, Add	287.88	
For Baked Enamel Standard Colors, Add	431.82	
For Anodized Finish, Add	575.76	
For Kynar™ Standard Colors Finish, Add	791.67	
08 91 19 00-0203 EA 90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,894.96	161.18
Note: Includes bird screen.		
For Flange Frame, Add	157.26	
For Clear Lacquer Finish, Add	314.52	
For Baked Enamel Standard Colors, Add	471.78	
For Anodized Finish, Add	629.04	
For Kynar™ Standard Colors Finish, Add	864.93	
08 91 19 00-0204 EA 90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,071.08	166.73
Note: Includes bird screen.		
For Flange Frame, Add	173.76	
For Clear Lacquer Finish, Add	347.52	
For Baked Enamel Standard Colors, Add	521.28	
For Anodized Finish, Add	695.04	
For Kynar™ Standard Colors Finish, Add	955.68	
08 91 19 00-0205 EA 90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,222.75	175.07
Note: Includes bird screen.		
For Flange Frame, Add	187.26	
For Clear Lacquer Finish, Add	374.52	
For Baked Enamel Standard Colors, Add	561.78	
For Anodized Finish, Add	749.04	
For Kynar™ Standard Colors Finish, Add	1,029.93	
08 91 19 00-0206 EA 90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,467.73	188.97
Note: Includes bird screen.		
For Flange Frame, Add	208.98	
For Clear Lacquer Finish, Add	417.96	
For Baked Enamel Standard Colors, Add	626.94	
For Anodized Finish, Add	835.92	
For Kynar™ Standard Colors Finish, Add	1,149.39	
08 91 19 00-0207 EA 90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,615.21	197.30
Note: Includes bird screen.		
For Flange Frame, Add	222.06	
For Clear Lacquer Finish, Add	444.12	
For Baked Enamel Standard Colors, Add	666.18	
For Anodized Finish, Add	888.24	
For Kynar™ Standard Colors Finish, Add	1,221.33	
08 91 19 00-0208 EA 90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,783.08	205.64
Note: Includes bird screen.		
For Flange Frame, Add	237.18	
For Clear Lacquer Finish, Add	474.36	
For Baked Enamel Standard Colors, Add	711.54	
For Anodized Finish, Add	948.72	
For Kynar™ Standard Colors Finish, Add	1,304.49	
08 91 19 00-0209 EA 90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,955.59	211.20
Note: Includes bird screen.		
For Flange Frame, Add	253.32	
For Clear Lacquer Finish, Add	506.64	
For Baked Enamel Standard Colors, Add	759.96	
For Anodized Finish, Add	1,013.28	
For Kynar™ Standard Colors Finish, Add	1,393.26	
08 91 19 00-0210 EA 90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,104.87	219.53
Note: Includes bird screen.		
For Flange Frame, Add	266.58	
For Clear Lacquer Finish, Add	533.16	
For Baked Enamel Standard Colors, Add	799.74	
For Anodized Finish, Add	1,066.32	
For Kynar™ Standard Colors Finish, Add	1,466.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0211	EA		90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,334.39	225.09
				Note: Includes bird screen.		
				For Flange Frame, Add	288.42	
				For Clear Lacquer Finish, Add	576.84	
				For Baked Enamel Standard Colors, Add	865.26	
				For Anodized Finish, Add	1,153.68	
				For Kynar™ Standard Colors Finish, Add	1,586.31	
08 91	19 00-0212	EA		96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	897.32	111.16
				Note: Includes bird screen.		
				For Flange Frame, Add	67.50	
				For Clear Lacquer Finish, Add	135.00	
				For Baked Enamel Standard Colors, Add	202.50	
				For Anodized Finish, Add	270.00	
				For Kynar™ Standard Colors Finish, Add	371.25	
08 91	19 00-0213	EA		96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,083.06	127.83
				Note: Includes bird screen.		
				For Flange Frame, Add	82.74	
				For Clear Lacquer Finish, Add	165.48	
				For Baked Enamel Standard Colors, Add	248.22	
				For Anodized Finish, Add	330.96	
				For Kynar™ Standard Colors Finish, Add	455.07	
08 91	19 00-0214	EA		96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,260.41	144.50
				Note: Includes bird screen.		
				For Flange Frame, Add	97.14	
				For Clear Lacquer Finish, Add	194.28	
				For Baked Enamel Standard Colors, Add	291.42	
				For Anodized Finish, Add	388.56	
				For Kynar™ Standard Colors Finish, Add	534.27	
08 91	19 00-0215	EA		96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,437.88	152.84
				Note: Includes bird screen.		
				For Flange Frame, Add	113.22	
				For Clear Lacquer Finish, Add	226.44	
				For Baked Enamel Standard Colors, Add	339.66	
				For Anodized Finish, Add	452.88	
				For Kynar™ Standard Colors Finish, Add	622.71	
08 91	19 00-0216	EA		96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,674.60	158.40
				Note: Includes bird screen.		
				For Flange Frame, Add	135.78	
				For Clear Lacquer Finish, Add	271.56	
				For Baked Enamel Standard Colors, Add	407.34	
				For Anodized Finish, Add	543.12	
				For Kynar™ Standard Colors Finish, Add	746.79	
08 91	19 00-0217	EA		96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,850.12	163.96
				Note: Includes bird screen.		
				For Flange Frame, Add	152.22	
				For Clear Lacquer Finish, Add	304.44	
				For Baked Enamel Standard Colors, Add	456.66	
				For Anodized Finish, Add	608.88	
				For Kynar™ Standard Colors Finish, Add	837.21	
08 91	19 00-0218	EA		96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,003.43	169.52
				Note: Includes bird screen.		
				For Flange Frame, Add	166.44	
				For Clear Lacquer Finish, Add	332.88	
				For Baked Enamel Standard Colors, Add	499.32	
				For Anodized Finish, Add	665.76	
				For Kynar™ Standard Colors Finish, Add	915.42	
08 91	19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,171.15	175.07
				Note: Includes bird screen.		
				For Flange Frame, Add	182.10	
				For Clear Lacquer Finish, Add	364.20	
				For Baked Enamel Standard Colors, Add	546.30	
				For Anodized Finish, Add	728.40	
				For Kynar™ Standard Colors Finish, Add	1,001.55	
08 91	19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,326.86	180.63
				Note: Includes bird screen.		
				For Flange Frame, Add	196.56	
				For Clear Lacquer Finish, Add	393.12	
				For Baked Enamel Standard Colors, Add	589.68	
				For Anodized Finish, Add	786.24	
				For Kynar™ Standard Colors Finish, Add	1,081.08	
08 91	19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,589.25	194.53
				Note: Includes bird screen.		
				For Flange Frame, Add	220.02	
				For Clear Lacquer Finish, Add	440.04	
				For Baked Enamel Standard Colors, Add	660.06	
				For Anodized Finish, Add	880.08	
				For Kynar™ Standard Colors Finish, Add	1,210.11	
08 91	19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,095.92	202.86
				Note: Includes bird screen.		
				For Flange Frame, Add	169.02	
				For Clear Lacquer Finish, Add	338.04	
				For Baked Enamel Standard Colors, Add	507.06	
				For Anodized Finish, Add	676.08	
				For Kynar™ Standard Colors Finish, Add	929.61	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,912.99	211.20
			<i>For Flange Frame, Add</i>	249.06	
			<i>For Clear Lacquer Finish, Add</i>	498.12	
			<i>For Baked Enamel Standard Colors, Add</i>	747.18	
			<i>For Anodized Finish, Add</i>	996.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,369.83	
08 91	19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,091.51	216.76
			<i>For Flange Frame, Add</i>	265.80	
			<i>For Clear Lacquer Finish, Add</i>	531.60	
			<i>For Baked Enamel Standard Colors, Add</i>	797.40	
			<i>For Anodized Finish, Add</i>	1,063.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,461.90	
08 91	19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,247.99	225.09
			<i>For Flange Frame, Add</i>	279.78	
			<i>For Clear Lacquer Finish, Add</i>	559.56	
			<i>For Baked Enamel Standard Colors, Add</i>	839.34	
			<i>For Anodized Finish, Add</i>	1,119.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,538.79	
08 91	19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,496.86	233.43
			<i>For Flange Frame, Add</i>	303.00	
			<i>For Clear Lacquer Finish, Add</i>	606.00	
			<i>For Baked Enamel Standard Colors, Add</i>	909.00	
			<i>For Anodized Finish, Add</i>	1,212.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,666.50	
08 91	19 00-0227		Gable Louver Vents (08 91 19) Note: 1" deep, residential/light commercial grade louvers.		
08 91	19 00-0228		Aluminum Gable Louver Vents (08 91 19 00-0227) Note: Includes screen.		
08 91	19 00-0229		Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91	19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	142.93	8.30
08 91	19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	156.71	9.52
08 91	19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	180.62	10.75
08 91	19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	197.80	11.44
08 91	19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	225.07	12.11
08 91	19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	252.54	14.52
08 91	19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	293.75	18.15
08 91	19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	328.10	21.18
08 91	19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	376.18	25.42
08 91	19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	472.32	33.88
08 91	19 00-0240		Square Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91	19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	130.85	7.64
08 91	19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	162.23	9.69
08 91	19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	202.84	11.43
08 91	19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	259.40	15.13
08 91	19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	334.97	21.78
08 91	19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	424.17	29.63
08 91	19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	527.28	38.72
08 91	19 00-0248		Round Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91	19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	130.85	7.64
08 91	19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	162.23	9.69
08 91	19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	202.84	11.43
08 91	19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	259.40	15.13
08 91	19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	334.97	21.78
08 91	19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	424.24	29.65
08 91	19 00-0255		Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91	19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	130.85	7.64
08 91	19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	142.93	8.30
08 91	19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	156.71	9.52
08 91	19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	162.23	9.69
08 91	19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	180.62	10.75
08 91	19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	197.80	11.44
08 91	19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	202.84	11.43
08 91	19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	225.07	12.11
08 91	19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	252.54	14.52
08 91	19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	259.40	15.13
08 91	19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	293.75	18.15



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	328.10	21.18
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	334.97	21.78
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	376.18	25.42
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	417.38	29.05
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	424.24	29.65
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	472.32	33.88
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	527.28	38.72

08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	130.85	7.64
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	142.93	8.30
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	156.71	9.52
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	162.23	9.69
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	180.62	10.75
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	197.80	11.44
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	202.84	11.43
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	225.07	12.11
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	252.54	14.52
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	259.40	15.13
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	293.75	18.15
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	328.10	21.18
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	334.97	21.78
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	376.18	25.42
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	417.38	29.05
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	424.24	29.65
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	472.32	33.88
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	527.28	38.72

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	267.84	9.52
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	303.87	11.43
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	326.10	12.11
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	373.77	14.52
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	415.99	15.13
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	344.26	18.15
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	403.87	21.18
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	456.20	21.78
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	517.61	25.42
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	417.38	29.05
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	479.81	29.65
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	553.15	33.88
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	628.30	38.72
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	706.25	44.50

08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	46.27	7.64
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	55.25	8.30
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	74.99	10.75
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	100.85	12.11
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	72.08	9.69
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	83.47	11.43
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	116.98	15.13
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	170.75	21.78
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	72.08	9.69
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	81.46	10.75
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	103.83	12.11
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	148.12	18.15
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	342.03	29.05
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	70.66	9.52
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	97.66	12.11
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	102.59	14.52
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	224.63	18.15
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	224.63	18.15
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	224.63	18.15
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	224.63	18.15
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	224.63	18.15
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	257.34	29.05
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	257.34	29.05
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	257.34	29.05
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	257.34	29.05

08 95 Vents (08 90)

08 95 13 Soffit Vents (08 95)

08 Openings**08 90 Louvers And Vents****08 95 Vents**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 95 13 00-0001		Aluminum Soffit Vents <small>(08 95 13)</small>			
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	6.06		2.55
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	11.64		5.00
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	16.78		6.67
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	17.03		6.67
08 95 13 00-0006		Vinyl Soffit Vents <small>(08 95 13)</small>			
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	4.25		1.84
		<i>For Colors, Add</i>	<i>0.06</i>		
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	4.33		1.84
		<i>For Colors, Add</i>	<i>0.07</i>		
08 95 16		Wall Vents <small>(08 95)</small>			
08 95 16 00-0001		Foundation Vents <small>(08 95 16)</small>			
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.42		0.16
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.43		0.16
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.97		0.16
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.32		0.16

END OF SECTION 08



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 50 Ceilings⁽⁰⁹⁾

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings^(09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings^(09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels^(09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels^(09 51 13 00-0001)

09 51 13 00-0003	SF 2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.78	0.43
	For Recessed Edge, Add	0.35	
	For Fire Rated Panels, Add	0.55	
	For Up To 50, Add	0.67	
	For >50 To 200, Add	0.38	
	For >200 To 500, Add	0.14	
	For >2,500 To 4,000, Deduct	-0.04	
	For >4,000 To 5,000, Deduct	-0.07	
	For >5,000, Deduct	-0.13	
	For Individual Room Quantities <495, Add	0.19	
	Note: For use with projects >500 SF		
	For Acid Resistive, Add	2.50	
	For Black Ceiling Tiles, Add	0.43	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0004	SF 2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.75	0.43
	For Recessed Edge, Add	0.35	
	For Fire Rated Panels, Add	0.54	
	For Up To 50, Add	0.65	
	For >50 To 200, Add	0.37	
	For >200 To 500, Add	0.14	
	For >2,500 To 4,000, Deduct	-0.04	
	For >4,000 To 5,000, Deduct	-0.07	
	For >5,000, Deduct	-0.13	
	For Individual Room Quantities <495, Add	0.18	
	Note: For use with projects >500 SF		
	For Acid Resistive, Add	2.50	
	For Black Ceiling Tiles, Add	0.43	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0005	SF 2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.38	0.43
	For Recessed Edge, Add	0.35	
	For Fire Rated Panels, Add	0.55	
	For Up To 50, Add	0.91	
	For >50 To 200, Add	0.54	
	For >200 To 500, Add	0.22	
	For >2,500 To 4,000, Deduct	-0.07	
	For >4,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.20	
	For Individual Room Quantities <495, Add	0.27	
	Note: For use with projects >500 SF		
	For Acid Resistive, Add	2.50	
	For Black Ceiling Tiles, Add	1.31	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0006	SF 2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.38	0.43
	For Recessed Edge, Add	0.35	
	For Fire Rated Panels, Add	0.55	
	For Up To 50, Add	0.91	
	For >50 To 200, Add	0.54	
	For >200 To 500, Add	0.22	
	For >2,500 To 4,000, Deduct	-0.07	
	For >4,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.20	
	For Individual Room Quantities <495, Add	0.27	
	Note: For use with projects >500 SF		
	For Acid Resistive, Add	2.50	
	For Black Ceiling Tiles, Add	1.31	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0007	SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel.....	3.58	0.52
	For Recessed Edge, Add	0.35	
	For Fire Rated Panels, Add	0.55	
	For Up To 50, Add	0.94	
	For >50 To 200, Add	0.56	
	For >200 To 500, Add	0.23	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.13	
	For >5,000, Deduct	-0.20	
	For Individual Room Quantities <495, Add	0.28	
	Note: For use with projects >500 SF		
	For Acid Resistive, Add	2.50	
	For Ceilings >10' High, Add	0.08	

09	09 Finishes
	09 50 Ceilings
	09 51 Acoustical Ceilings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0008 SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel.....	3.58	0.52
For Recessed Edge, Add	0.35	
For Fire Rated Panels, Add	0.55	
For Up To 50, Add	0.94	
For >50 To 200, Add	0.56	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0009 Glass Cloth Faced Fiberglass Panels (09 51 13 00-0001)		
09 51 13 00-0010 SF 3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	2.91	0.52
For Fire Rated Panels, Add	0.60	
For Up To 50, Add	0.94	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.21	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.19	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Ceilings >10' High, Add	0.09	
09 51 13 00-0011 SF 1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	3.12	0.52
For Fire Rated Panels, Add	0.60	
For Up To 50, Add	0.97	
For >50 To 200, Add	0.56	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Ceilings >10' High, Add	0.09	
09 51 13 00-0012 SF 1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	4.32	0.87
For Fire Rated Panels, Add	0.68	
For Up To 50, Add	1.30	
For >50 To 200, Add	0.76	
For >200 To 500, Add	0.30	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.27	
For Individual Room Quantities <495, Add	0.38	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0013 SF 2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	5.32	0.87
For Fire Rated Panels, Add	0.68	
For Up To 50, Add	1.45	
For >50 To 200, Add	0.86	
For >200 To 500, Add	0.35	
For >2,500 To 4,000, Deduct	-0.11	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.43	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0014 Mineral Fiber Panels (09 51 13)		
09 51 13 00-0015 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0014)		
09 51 13 00-0016 SF 1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.09	0.52
For Vinyl Faced Panels, Add	1.13	
For Fire Rated Panels, Add	0.57	
For Moisture Resistant Panels, Add	1.13	
For Up To 50, Add	0.75	
For >50 To 200, Add	0.43	
For >200 To 500, Add	0.16	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Acid Resistant, Add	2.50	
For Rough Texture, Add	0.13	
For Integrated Wood Trim, Add	7.72	
For Vertical Application, Add	0.49	
For Single Angled Tegular Edge (Reveal), Add	0.56	
For Ceilings >10' High, Add	0.08	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0017 SF 2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.52	0.52
For Vinyl Faced Panels, Add	1.10	
For Fire Rated Panels, Add	0.55	
For Vinyl-Coated Aluminum Foil Surfaced, Add	1.39	
For Moisture Resistant Panels, Add	1.10	
For Up To 50, Add	0.63	
For >50 To 200, Add	0.35	
For >200 To 500, Add	0.13	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.18	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.07	
For Integrated Wood Trim, Add	7.66	
For Vertical Application, Add	0.45	
For Single Angled Tegular Edge (Reveal), Add	0.33	
For Black Ceiling Tiles, Add	0.29	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0018 SF 2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.15	0.52
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
For Vinyl Faced Panels, Add	1.10	
For Fire Rated Panels, Add	0.55	
For Moisture Resistant Panels, Add	1.10	
For Up To 50, Add	0.72	
For >50 To 200, Add	0.42	
For >200 To 500, Add	0.16	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	7.91	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.14	
For Vertical Application, Add	0.45	
For Single Angled Tegular Edge (Reveal), Add	0.62	
For Scored Acoustical Tile, Add	0.25	
For Black Ceiling Tiles, Add	0.63	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0019 SF 2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.49	0.52
For Vinyl Faced Panels, Add	1.09	
For Fire Rated Panels, Add	0.54	
For Vinyl-Coated Aluminum Foil Surfaced, Add	1.39	
For Moisture Resistant Panels, Add	1.09	
For Up To 50, Add	0.61	
For >50 To 200, Add	0.34	
For >200 To 500, Add	0.12	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.06	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.17	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.14	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.44	
For Single Angled Tegular Edge (Reveal), Add	0.33	
For Black Ceiling Tiles, Add	0.29	
For Ceilings >10' High, Add	0.07	
09 51 13 00-0020 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.12	0.52
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
For Vinyl Faced Panels, Add	1.09	
For Fire Rated Panels, Add	0.54	
For Moisture Resistant Panels, Add	1.09	
For Up To 50, Add	0.71	
For >50 To 200, Add	0.41	
For >200 To 500, Add	0.15	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.14	
For Individual Room Quantities <495, Add	0.20	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.39	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.14	
For Vertical Application, Add	0.44	
For Single Angled Tegular Edge (Reveal), Add	0.61	
For Scored Acoustical Tile, Add	0.25	
For Black Ceiling Tiles, Add	0.63	
For Ceilings >10' High, Add	0.07	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0021	SF		2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.47	0.52
			For Vinyl Faced Panels, Add	1.08	
			For Fire Rated Panels, Add	0.54	
			For Moisture Resistant Panels, Add	1.08	
			For Up To 50, Add	0.60	
			For >50 To 200, Add	0.34	
			For >200 To 500, Add	0.12	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.12	
			For Individual Room Quantities <495, Add	0.17	
			Note: For use with projects >500 SF		
			For Integrated Wood Trim, Add	9.38	
			For Acid Resistive, Add	2.50	
			For Rough Texture, Add	0.07	
			For Vertical Application, Add	0.43	
			For Single Angled Tegular Edge (Reveal), Add	0.33	
			For Ceilings >10' High, Add	0.07	
09 51 13 00-0022			Wood Fiber Panels (09 51 13)		
09 51 13 00-0023	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.80	0.69
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.30	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0024	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.64	0.61
			For Up To 50, Add	0.96	
			For >50 To 200, Add	0.54	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.19	
			For Individual Room Quantities <495, Add	0.27	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0025	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	3.36	0.69
			For Up To 50, Add	1.13	
			For >50 To 200, Add	0.65	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.32	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0026	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	3.20	0.61
			For Up To 50, Add	1.04	
			For >50 To 200, Add	0.60	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.30	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0027	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	3.90	0.69
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.70	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.35	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0028 SF 2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	3.74	0.61
For Up To 50, Add	1.12	
For >50 To 200, Add	0.65	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.23	
For Individual Room Quantities <495, Add	0.33	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0029 SF 2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels.....	3.13	0.69
For Up To 50, Add	1.09	
For >50 To 200, Add	0.63	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.22	
For Individual Room Quantities <495, Add	0.31	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0030 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	2.97	0.61
For Up To 50, Add	1.01	
For >50 To 200, Add	0.58	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.29	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.11	
09 51 13 00-0034 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0035 SF Remove And Reinstall Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.29	
For Ceilings >10' High, Add	0.10	
09 51 13 00-0036 SF Remove And Reinstall Acoustical Panels Only.....	0.83	
For Ceilings >10' High, Add	0.06	
09 51 13 00-0037 SF Remove And Reinstall Grid System Only	0.77	
For Ceilings >10' High, Add	0.06	
09 51 23 Acoustical Tile Ceilings (09 51)		
Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002 SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.79	0.96
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.44	
For >50 To 200, Add	0.82	
For >200 To 500, Add	0.30	
For >2,500, Deduct	-0.19	
For Ceilings >10' High, Add	0.16	
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.39	0.96
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.53	
For >50 To 200, Add	0.88	
For >200 To 500, Add	0.33	
For >2,500, Deduct	-0.22	
For Plaicing Tiles In Suspended Ceiling System, Deduct	-0.24	
For Ceilings >10' High, Add	0.16	
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.87	0.96
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.60	
For >50 To 200, Add	0.92	
For >200 To 500, Add	0.35	
For >2,500, Deduct	-0.24	
For Plaicing Tiles In Suspended Ceiling System, Deduct	-0.24	
For Ceilings >10' High, Add	0.16	
09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	3.53	0.96
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	1.40	
For >50 To 200, Add	0.79	
For >200 To 500, Add	0.29	
For >2,500, Deduct	-0.18	
For Ceilings >10' High, Add	0.16	

09	09 Finishes
	09 50 Ceilings
	09 51 Acoustical Ceilings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 Acoustical Metal Pan Ceilings (09 51)

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)

09 51 33 13-0001 Metal Pan Units, 24 GA Steel (09 51 33 13)

Note: Excludes pads.

09 51 33 13-0002	SF 12" x 12" - 24 Gauge, Acoustical Metal Pan Units	14.94	1.14
	For Up To 50, Add	3.24	
	For >50 To 200, Add	1.99	
	For >200 To 500, Add	0.87	
	For >2,500, Deduct	-0.75	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0003	SF 12" x 24" - 24 Gauge, Acoustical Metal Pan Units	15.83	1.14
	For Up To 50, Add	3.37	
	For >50 To 200, Add	2.08	
	For >200 To 500, Add	0.92	
	For >2,500, Deduct	-0.79	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0004	SF 12" x 12" - 0.025" Thick, Acoustical Aluminum Pan	9.55	1.14
	For Up To 50, Add	2.43	
	For >50 To 200, Add	1.45	
	For >200 To 500, Add	0.60	
	For >2,500, Deduct	-0.48	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0005	SF 12" x 24" - 0.025" Thick, Acoustical Aluminum Pan	10.28	1.14
	For Up To 50, Add	2.54	
	For >50 To 200, Add	1.53	
	For >200 To 500, Add	0.64	
	For >2,500, Deduct	-0.51	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0006	SF 12" x 12" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	13.82	1.14
	For Up To 50, Add	3.07	
	For >50 To 200, Add	1.88	
	For >200 To 500, Add	0.82	
	For >2,500, Deduct	-0.69	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0007	SF 12" x 24" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	10.10	1.14
	For Up To 50, Add	2.51	
	For >50 To 200, Add	1.51	
	For >200 To 500, Add	0.63	
	For >2,500, Deduct	-0.51	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0008	SF 12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units	34.65	1.14
	For Up To 50, Add	6.19	
	For >50 To 200, Add	3.96	
	For >200 To 500, Add	1.86	
	For >2,500, Deduct	-1.73	
	For Ceilings >10' High, Add	0.19	
09 51 33 13-0009	SF 12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units	19.63	1.14
	For Up To 50, Add	3.94	
	For >50 To 200, Add	2.46	
	For >200 To 500, Add	1.11	
	For >2,500, Deduct	-0.98	
	For Ceilings >10' High, Add	0.19	

09 51 33 13-0010 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)

09 51 33 13-0011	SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	12.09	0.76
09 51 33 13-0012	SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	12.91	0.76

09 51 33 13-0013 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)

09 51 33 13-0014	SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.17	0.87
09 51 33 13-0015	SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.24	0.87
09 51 33 13-0016	SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.39	0.87
09 51 33 13-0017	SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.56	0.87
09 51 33 13-0018	SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.66	0.87
09 51 33 13-0019	SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.86	0.87
09 51 33 13-0020	SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.18	0.87
09 51 33 13-0021	SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.45	0.87
09 51 33 13-0022	SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.31	0.87
09 51 33 13-0023	SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.05	0.87



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0024 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.38	0.87
09 51 33 13-0025 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.89	0.87
09 51 33 13-0026 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.02	0.87
09 51 33 13-0027 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.43	0.87
09 51 33 13-0028 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	33.46	0.87
09 51 33 13-0029 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.27	0.87
09 51 33 13-0030 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.17	0.87
09 51 33 13-0031 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.01	0.87
09 51 33 13-0032 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.67	0.87
09 51 33 13-0033 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.51	0.87
09 51 33 13-0034 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.99	0.87
09 51 33 13-0035 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.22	0.87
09 51 33 13-0036 SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.81	0.87
09 51 33 13-0037 SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.00	0.87
09 51 33 13-0038 SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	8.94	0.87
09 51 33 13-0039 SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.50	0.87
09 51 33 13-0040 SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.59	0.87
09 51 33 13-0041 SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.84	0.87
09 51 33 13-0042 SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.48	0.87
09 51 33 13-0043 SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.39	0.87
09 51 33 13-0044 SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.65	0.87
09 51 33 13-0045 SF 24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.84	0.87

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003 SF 24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	9.44	0.65
09 51 33 23-0004 SF 24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	10.66	0.65
09 51 33 23-0005 SF 24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	15.54	0.65
09 51 33 23-0006 SF 24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	13.24	0.65
09 51 33 23-0007 SF 24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.19	0.65
09 51 33 23-0008 SF 24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.19	0.65
09 51 33 23-0009 SF 30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	13.98	0.65
09 51 33 23-0010 SF 30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.27	0.65
09 51 33 23-0011 SF 48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.05	0.65
09 51 33 23-0012 SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.37	0.65
09 51 33 23-0013 SF 12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.12	0.65
09 51 33 23-0014 SF 12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.31	0.65
09 51 33 23-0015 SF 24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.12	0.65
09 51 33 23-0016 SF 24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.44	0.65

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0018 SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	12.11	0.65
09 51 33 23-0019 SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.39	0.65
09 51 33 23-0020 SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.42	0.65
09 51 33 23-0021 SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.50	0.65
09 51 33 23-0022 SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.88	0.65
09 51 33 23-0023 SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.74	0.65

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09	09 Finishes
	09 50 Ceilings
	09 51 Acoustical Ceilings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 33-0001	Acoustical Tegular Lay-In Metal Pan Ceilings <small>(09 51 33 33)</small>		
09 51 33 33-0002	Steel, Acoustical Tegular Lay-In Metal Pan Ceilings <small>(09 51 33 33-0001)</small>		
09 51 33 33-0003	SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	8.91	0.65
09 51 33 33-0004	SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.00	0.65
09 51 33 33-0005	SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.01	0.65
09 51 33 33-0006	SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	10.10	0.65
09 51 33 33-0007	SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.41	0.65
09 51 33 33-0008	SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.26	0.65

09 53 Acoustical Ceiling Suspension Assemblies (09 50)

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF 12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System	3.88	0.43
	Note: Excludes ceiling tile.		
	For Vertical Application, Add	2.33	
	For Individual Room Quantities <495, Add	0.46	
	Note: For use with projects >500 SF		
	For Compression Struts With Splay Wires, Add	0.44	
	For Up To 50, Add	1.65	
	For >50 To 200, Add	0.92	
	For >200 To 500, Add	0.33	
	For >2,500 To 4,000, Deduct	-0.09	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.25	
	For Ceilings >10' High, Add	0.20	
09 53 23 00-0003	SF 1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	3.20	0.43
	For UL Listed (Fire Guard), Add	0.13	
	For 1-1/2" Wide Faced Grid, Add	0.25	
	For Vertical Application, Add	2.02	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For 9/16" Narrow Faced Grid, Add	0.22	
	For Individual Room Quantities <495, Add	0.39	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.40	
	For Compression Struts With Splay Wires, Add	0.36	
	For Up To 50, Add	1.40	
	For >50 To 200, Add	0.78	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.14	
	For >5,000, Deduct	-0.21	
	For Ceilings >10' High, Add	0.17	
09 53 23 00-0004	SF 2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.63	0.43
	For UL Listed (Fire Guard), Add	0.09	
	For 1-1/2" Wide Faced Grid, Add	0.18	
	For Vertical Application, Add	1.75	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For 9/16" Narrow Faced Grid, Add	0.16	
	For Individual Room Quantities <495, Add	0.33	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.28	
	For Compression Struts With Splay Wires, Add	0.29	
	For Up To 50, Add	1.19	
	For >50 To 200, Add	0.66	
	For >200 To 500, Add	0.23	
	For >2,500 To 4,000, Deduct	-0.06	
	For >4,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.18	
	For Black Grid, Add	0.08	
	For Ceilings >10' High, Add	0.15	
	For Concealed Spline Grid, Add	0.36	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0005 SF 2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	2.23	0.43
For UL Listed (Fire Guard), Add	0.07	
For 1-1/2" Wide Faced Grid, Add	0.14	
For Vertical Application, Add	1.74	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.12	
For Individual Room Quantities <495, Add	0.29	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.22	
For Compression Struts With Splay Wires, Add	0.24	
For Up To 50, Add	1.03	
For >50 To 200, Add	0.57	
For >200 To 500, Add	0.20	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Black Grid, Add	0.06	
For Ceilings >10' High, Add	0.13	
For Concealed Spline Grid, Add	0.30	
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	2.14	0.43
For UL Listed (Fire Guard), Add	0.08	
For 1-1/2" Wide Faced Grid, Add	0.15	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.14	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.25	
For Compression Struts With Splay Wires, Add	0.24	
For Up To 50, Add	0.96	
For >50 To 200, Add	0.53	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.14	
For Ceilings >10' High, Add	0.12	
09 53 23 00-0007 SF 2', 15/16" Suspended Ceiling Cross Tee	0.63	0.25
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
For 1-1/2" Wide Faced Grid, Add	0.04	
For Vertical Application, Add	0.50	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.03	
For Individual Room Quantities <495, Add	0.08	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.06	
For Up To 50, Add	0.29	
For >50 To 200, Add	0.16	
For >200 To 500, Add	0.06	
For >2,500 To 4,000, Deduct	-0.02	
For >4,000 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.04	
For Ceilings >10' High, Add	0.04	
09 53 23 00-0008 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0009 LF For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required).....	0.93	
09 53 23 00-0010 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.51	1.22
For 316 Stainless Steel, Add	2.18	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.94	
09 53 23 00-0011 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.58	1.31
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.96	
09 53 23 00-0012 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.97	1.40
For 316 Stainless Steel, Add	6.69	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.30	
For 304 Stainless Steel, Add	5.96	

09 54 Specialty Ceilings (09 50)

09 54 23 Linear Metal Ceilings (09 54)

09 54 23 00-0001 Linear Ceiling Systems (09 54 23)

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System	12.45	1.91
For Up To 50, Add	3.70	
For >50 To 200, Add	2.16	
For >200 To 500, Add	0.85	
For >2,500, Deduct	-0.62	
For Ceilings >10' High, Add	0.34	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.95	
For Curved Ceilings, Add	1.14	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.33	1.91
For Up To 50, Add	3.35	
For >50 To 200, Add	1.93	
For >200 To 500, Add	0.74	
For >2,500, Deduct	-0.52	
For Ceilings >10' High, Add	0.34	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.96	
For Curved Ceilings, Add	1.12	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	9.50	1.91
For Up To 50, Add	3.19	
For >50 To 200, Add	1.83	
For >200 To 500, Add	0.70	
For >2,500, Deduct	-0.48	
For Ceilings >10' High, Add	0.33	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.65	
For Curved Ceilings, Add	1.10	
09 54 23 00-0006 Tin Ceilings (09 54 23)		
09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels.....	12.34	2.96
For Up To 50, Add	3.28	
For >50 To 200, Add	1.95	
For >200 To 500, Add	0.80	
For >2,500, Deduct	-0.62	
For Ceilings >10' High, Add	0.27	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates.....	17.75	1.91
For Up To 50, Add	4.17	
For >50 To 200, Add	2.53	
For >200 To 500, Add	1.08	
For >2,500, Deduct	-0.89	
For Ceilings >10' High, Add	0.28	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates.....	13.30	1.91
For Up To 50, Add	3.50	
For >50 To 200, Add	2.08	
For >200 To 500, Add	0.85	
For >2,500, Deduct	-0.67	
For Ceilings >10' High, Add	0.28	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates.....	12.22	1.91
For Up To 50, Add	3.22	
For >50 To 200, Add	1.92	
For >200 To 500, Add	0.78	
For >2,500, Deduct	-0.61	
For Ceilings >10' High, Add	0.26	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates.....	10.66	1.43
For Up To 50, Add	2.81	
For >50 To 200, Add	1.67	
For >200 To 500, Add	0.68	
For >2,500, Deduct	-0.53	
For Ceilings >10' High, Add	0.23	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding.....	9.45	2.87
09 54 23 00-0013 LF 6" Wide Embossed Molding.....	11.56	3.34
09 54 23 00-0014 LF 12" Wide Embossed Molding.....	15.33	3.91
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	27.88	9.08
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell.....	37.54	10.61
09 57 Special Function Ceilings (09 57)		
09 57 00 00-0001 High Impact Ceiling Systems (09 57)		
09 57 00 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels.....	4.43	0.87
For Ceilings >10' High, Add	0.11	
09 57 00 00-0003 SF High Impact Clips.....	1.88	0.69
For Ceilings >10' High, Add	0.08	
09 80 Acoustic Treatment (09)		
09 81 Acoustic Insulation (09 80)		
09 81 16 Acoustic Blanket Insulation (09 81)		
09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003 SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.38	0.26
09 81 16 00-0004 SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.46	0.26



Finishes	09	
Acoustic Treatment	09 80	09
Acoustic Insulation	09 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0005 SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.57	0.26
09 81 16 00-0006 SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.66	0.26
09 81 16 00-0007 SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.77	0.26
09 81 16 00-0008 SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.88	0.26
09 81 16 00-0009 SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.03	0.26
09 81 16 00-0010 SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.19	0.26
09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012 SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.36	0.26
09 81 16 00-0013 Sound Attenuation Batts (09 81 16)		
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014 SF 2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.86	0.35
09 81 16 00-0015 SF 3-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.91	0.35
09 81 16 00-0016 SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.93	0.35
09 81 16 00-0017 SF 5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.02	0.35
09 81 16 00-0018 SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.04	0.35
09 81 16 00-0019 SF 6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.03	0.35
09 81 16 00-0020 SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.06	0.35
09 84 Acoustic Room Components (09 80)		
09 84 13 Fixed Sound-Absorptive Panels (09 84)		
09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets (09 84 13)		
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002 SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	7.68	1.74
09 84 13 00-0003 SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	11.07	1.74
09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System (09 84 13)		
09 84 13 00-0005 Fiberglass, Sound Absorbing Wall Panel System (09 84 13 00-0004)		
Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.		
09 84 13 00-0006 SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall).....	11.19	1.96
09 84 13 00-0007 SF Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	13.32	1.96
09 84 13 00-0008 Sound Absorbing Panel, Eggcrate Style (09 84 13)		
Note: Ceiling or wall hung back.		
09 84 13 00-0009 SF 2" Thick Polyurethane Sound Wave (Eggcrate Style).....	8.08	
For Pyramid Style, Add	1.18	
09 84 13 00-0010 SF 3" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.55	
For Pyramid Style, Add	1.18	
09 84 13 00-0011 SF 4" Thick Polyurethane Sound Wave (Eggcrate Style).....	13.60	
For Pyramid Style, Add	1.18	
09 84 13 00-0012 SF 2" Thick Melamine Sound Wave (Eggcrate Style)	10.27	
For Eggcrate Style With Hypalon Coating, Add	1.97	
For Pyramid Style, Add	2.05	
For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0013 SF 3" Thick Melamine Sound Wave (Eggcrate Style)	19.90	
For Eggcrate Style With Hypalon Coating, Add	1.97	
For Pyramid Style, Add	0.42	
For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0014 SF 4" Thick Melamine Sound Wave (Eggcrate Style)	25.31	
For Eggcrate Style With Hypalon Coating, Add	1.97	
For Pyramid Style, Add	0.42	
For Pyramid Style With Hypalon Coating, Add	2.40	
09 85 Acoustic Sound Deadening (09 80)		
09 85 00 00-0001 Sound Deadening Fiberboard (09 85)		
09 85 00 00-0002 SF 1/2" Sound Deadening Fiberboard.....	1.13	0.43
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.40	
For Horizontal Installation Up To 10' High, Add	0.27	
For Horizontal Installation >10' High, Add	0.40	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.38	
For >128 To 320, Add	0.23	

END OF SECTION 09

09 Finishes

09 80 Acoustic Treatment

09 85 Acoustic Sound Deadening



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Specialties	10	10
Safety Specialties	10 40	
Emergency Access And Information Cabinets	10 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 40 Safety Specialties⁽¹⁰⁾

10 41 Emergency Access And Information Cabinets^(10 40)

10 41 13 Fire Department Plan Cabinets^(10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox)^(10 41 13)

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	871.89	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	58.25	
		<i>For Swing Key Hook Panel, Add</i>	157.25	
		<i>For Non-Locking Weather Housing, Add</i>	394.76	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	923.34	28.34
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	58.25	
		<i>For Swing Key Hook Panel, Add</i>	157.25	
		<i>For Second Swing Key Hook Panel, Add</i>	124.25	
		<i>For Non-Locking Weather Housing, Add</i>	394.76	

10 41 16 Emergency Key Cabinets^(10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox)^(10 41 16)

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	444.86	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	393.41	28.34
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	56.26	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	519.46	28.34
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	56.26	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	551.61	28.34
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	56.26	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties^(10 40)

10 44 13 Fire Protection Cabinets^(10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets^(10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets^(10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets^(10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	273.88	35.75
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	278.20	35.75
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	279.06	35.75
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	305.82	35.75
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	375.76	35.75
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	385.25	35.75

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets^(10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	298.19	35.75
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	303.16	35.75
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	311.45	35.75
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	325.54	35.75
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	369.13	35.75
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	382.39	35.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	402.87	35.75
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	413.03	35.75
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	418.10	35.75
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	452.80	35.75
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	522.70	35.75
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	543.86	35.75
10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	943.90	35.75
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	950.61	35.75
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,087.44	35.75
10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	330.00	35.75
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	362.81	35.75
10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	297.19	35.75
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	305.82	35.75
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	306.69	35.75
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	336.04	35.75
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	394.75	35.75
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	404.25	35.75
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	335.14	35.75
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	347.58	35.75
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	355.04	35.75
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	369.13	35.75
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	418.03	35.75
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	429.63	35.75
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	447.38	35.75
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	459.23	35.75
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	464.31	35.75
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	490.54	35.75
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	555.71	35.75
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	570.09	35.75
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,182.80	35.75
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,188.43	35.75
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,358.38	35.75
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	361.08	35.75
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	392.16	35.75
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	290.28	35.75
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	295.46	35.75
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	336.91	35.75
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	387.84	35.75
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	401.66	35.75



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	413.88	35.75
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	424.66	35.75
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	448.69	35.75
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	495.94	35.75
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	515.83	35.75
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	521.01	35.75
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	537.09	35.75
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	576.86	35.75
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	653.87	35.75
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	677.57	35.75
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,353.08	35.75
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,521.73	35.75
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	342.09	35.75
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	380.07	35.75
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	513.03	35.75
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	28.43	10.90
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	26.11	10.90
10 44 13 00-0089 EA Replacement Standard Pull Handle.....	24.70	10.90
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	73.44	21.80
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	115.12	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	126.63	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	172.68	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	236.00	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	276.29	
10 44 13 00-0096 EA Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	66.77	
10 44 13 00-0097 EA Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	69.07	
10 44 13 00-0098 EA Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	92.10	
10 44 13 00-0099 EA Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	166.92	
10 44 13 00-0100 EA Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	169.23	
10 44 13 00-0101 EA Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	72.45	
10 44 13 00-0102 EA Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	76.07	
10 44 13 00-0103 EA Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	102.64	
10 44 13 00-0104 EA Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	181.12	
10 44 13 00-0105 EA Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	183.54	
10 44 13 00-0106 Fire Hose Cabinets <small>(10 44 13)</small>		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	451.47	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	457.11	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	461.81	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	466.52	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	472.16	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	487.21	142.04
<i>For Solid Steel Door, Deduct</i>		
	-8.60	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	491.91 -8.60	142.04
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	480.72 6.50	142.04
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	489.97 6.50	142.04
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	491.17 6.50	142.04
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	495.01 6.50	142.04
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	500.05 6.50	142.04
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	514.34 6.50	142.04
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	528.63 6.50	142.04
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small> Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	563.92 -7.70	142.04
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	607.62 -7.70	142.04
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	611.83 -7.70	142.04
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	625.27 -7.70	142.04
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	629.47 -7.70	142.04
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	651.32 -7.70	142.04
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	673.17 -7.70	142.04
10 44 13 00-0132 Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	466.52 -8.60	142.04
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	472.16 -8.60	142.04
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	476.86 -8.60	142.04
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	482.50 -8.60	142.04
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	487.21 -8.60	142.04
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	502.25 -8.60	142.04
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	507.89 -8.60	142.04
10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	489.97 6.50	142.04
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	500.05 6.50	142.04
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	501.49 6.50	142.04
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	504.25 6.50	142.04
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	509.30 6.50	142.04
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	523.58 6.50	142.04
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	537.87 6.50	142.04



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	589.98	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	637.88	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	642.08	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	655.53	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	659.73	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	681.58	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	703.43	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0157 Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	472.16	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	476.86	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	482.50	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	487.21	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	491.91	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	507.89	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	512.60	142.04
<i>For Solid Steel Door, Deduct</i>		
10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	514.34	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0168 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	523.58	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0169 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	525.98	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0170 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	528.63	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0171 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	532.83	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0172 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	547.96	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0173 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	557.20	142.04
<i>For Solid Aluminum Door, Add</i>		
10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	625.27	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0176 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	764.78	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0177 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	800.07	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0178 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	808.48	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0179 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	816.88	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0180 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	852.18	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 13 00-0181 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	895.88	142.04
<i>For Solid Stainless Steel Door, Deduct</i>		
10 44 16 Fire Extinguishers <small>(10 44)</small>		
10 44 16 13 Portable Fire Extinguishers <small>(10 44 16)</small>		
Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0002 EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	182.48	11.33
For >5 To 10, Deduct	-6.22	
For >10, Deduct	-12.43	
For Placement In Cabinet, Deduct	-29.07	
10 44 16 13-0003 EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	272.58	13.09
For >5 To 10, Deduct	-10.27	
For >10, Deduct	-20.55	
For Placement In Cabinet, Deduct	-33.55	
10 44 16 13-0004 EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	354.58	16.58
For >5 To 10, Deduct	-13.37	
For >10, Deduct	-26.74	
For Placement In Cabinet, Deduct	-43.61	
10 44 16 13-0005 EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	436.02	20.93
For >5 To 10, Deduct	-16.35	
For >10, Deduct	-32.70	
For Placement In Cabinet, Deduct	-54.52	
10 44 16 13-0006 EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	483.56	20.93
For >5 To 10, Deduct	-18.73	
For >10, Deduct	-37.45	
For Placement In Cabinet, Deduct	-54.52	
10 44 16 13-0007 EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,631.50	33.14
For >5 To 10, Deduct	-72.85	
For >10, Deduct	-145.71	
10 44 16 13-0008 EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,166.48	33.14
For >5 To 10, Deduct	-149.60	
For >10, Deduct	-299.20	
10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)		
10 44 16 13-0010 EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	104.82	11.33
For >5 To 10, Deduct	-2.33	
For >10, Deduct	-4.67	
For Placement In Cabinet, Deduct	-29.07	
10 44 16 13-0011 EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	134.33	13.09
For >5 To 10, Deduct	-3.36	
For >10, Deduct	-6.72	
For Placement In Cabinet, Deduct	-33.55	
10 44 16 13-0012 EA 10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	192.61	16.58
For >5 To 10, Deduct	-5.27	
For >10, Deduct	-10.54	
For Placement In Cabinet, Deduct	-43.61	
10 44 16 13-0013 EA 20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	274.89	20.93
For >5 To 10, Deduct	-8.29	
For >10, Deduct	-16.59	
For Placement In Cabinet, Deduct	-54.52	
10 44 16 13-0014 EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,915.62	33.14
For >5 To 10, Deduct	-87.06	
For >10, Deduct	-174.12	
10 44 16 13-0015 EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,906.47	33.14
For >5 To 10, Deduct	-136.60	
For >10, Deduct	-273.20	
10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017 EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	204.99	13.09
Note: Stainless steel.		
For >5 To 10, Deduct	-6.90	
For >10, Deduct	-13.79	
For Placement In Cabinet, Deduct	-33.55	
10 44 16 13-0018 EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	308.06	20.93
Note: Stainless steel.		
For >5 To 10, Deduct	-9.95	
For >10, Deduct	-19.90	
For Placement In Cabinet, Deduct	-54.52	
10 44 16 13-0019 EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	323.36	20.93
Note: Stainless steel.		
For >5 To 10, Deduct	-10.72	
For >10, Deduct	-21.43	
For Placement In Cabinet, Deduct	-54.52	
10 44 16 13-0020 EA 30 LB Dry Powder, Class D Portable Fire Extinguisher.....	479.52	20.93
Note: Yellow steel.		
For >5 To 10, Deduct	-18.52	
For >10, Deduct	-37.05	
10 44 16 13-0021 Recharge Existing Portable Fire Extinguishers (10 44 16 13)		
Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0023 EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher.....	8.94	
10 44 16 13-0024 EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher.....	9.94	
10 44 16 13-0025 EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher.....	10.33	
10 44 16 13-0026 EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher.....	11.70	
10 44 16 13-0027 EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher.....	13.51	



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0028 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0029 EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	10.79	
10 44 16 13-0030 EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	13.06	
10 44 16 13-0031 EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	18.45	
10 44 16 13-0032 EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	29.13	
10 44 16 13-0033 Recharge Other Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0034 EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	10.67	
10 44 16 13-0035 EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	76.08	
10 44 16 13-0036 EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	106.51	
10 44 16 13-0037 EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	43.85	
10 44 16 13-0038 Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
10 44 16 13-0039 Fire Extinguisher Backboards <small>(10 44 16 13-0038)</small>		
Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	93.63	14.95
10 44 16 13-0041 EA Relocate Fire Extinguisher Wood Backboard, Any Size	131.91	
Note: Includes storage and cleaning.		
10 44 16 13-0042 Inspections And Testing <small>(10 44 16 13)</small>		
10 44 16 13-0043 EA On Site Fire Extinguisher Annual Inspection (Tag).....	9.65	
10 44 16 13-0044 EA On Site Fire Extinguisher Hydrotest.....	14.19	
10 44 19 Fire Blankets <small>(10 44)</small>		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)	329.40	35.75
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB)	247.38	35.75
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

END OF SECTION 10

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Equipment	11	11
Commercial Equipment	11 20	
Retail and Service Equipment	11 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 20 Commercial Equipment ⁽¹¹⁾

11 21 Retail and Service Equipment ^(11 20)

11 21 63 Refrigerated Display Equipment ^(11 21)

11 21 63 00-0001 Dairy Products ^(11 21 63)

11 21 63 00-0002 Refrigerated Dairy Case ^(11 21 63 00-0001)

11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck	1,299.93	324.78
<i>For Rear Sliding Doors, Add</i>	<i>19.95</i>	

11 21 63 00-0004 Refrigerated Milk Unit ^(11 21 63 00-0001)

11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	4,943.22	236.46
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11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser ^(11 21 63 00-0001)

11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	5,479.24	259.68
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11 21 63 00-0008 Ice Cream Dispenser ^(11 21 63 00-0001)

11 21 63 00-0009 EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	4,577.39	218.65
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11 21 63 00-0010 Drop-In Ice Cream Freezer ^(11 21 63 00-0001)

11 21 63 00-0011 EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,141.53	54.42
11 21 63 00-0012 EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	1,491.64	71.16

11 21 63 00-0013 Ice Cream Cabinets ^(11 21 63 00-0001)

11 21 63 00-0014 EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet	3,574.82	170.06
11 21 63 00-0015 EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet	5,094.97	245.42

11 21 63 00-0016 Delicatessen Case, Service Deli ^(11 21 63)

11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	1,221.43	270.65
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	1,409.49	324.78
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23"	1,306.65	61.49

11 21 63 00-0020 Meat Case ^(11 21 63)

11 21 63 00-0021 LF Meat Case, Single - Deck.....	1,007.50	324.78
11 21 63 00-0022 LF Meat Case, Multi - Deck	1,086.27	324.78

11 21 63 00-0023 Produce Case ^(11 21 63)

11 21 63 00-0024 LF Produce Case, Single - Deck.....	1,037.88	324.78
11 21 63 00-0025 LF Produce Case, Multi - Deck	1,134.74	324.78

11 21 63 00-0026 Bottle Coolers ^(11 21 63)

11 21 63 00-0027 EA Bottle Cooler, 6' Long	3,739.78	1,082.62
11 21 63 00-0028 EA Bottle Cooler, 10' Long	5,789.78	1,623.92

11 21 63 00-0029 Cold Pan Units ^(11 21 63)

11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	1,829.33	86.60
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	2,542.19	121.15
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	3,005.71	143.28
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units	3,090.62	148.04
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units	3,362.85	159.81
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units	3,995.06	188.85

11 21 63 00-0036 Cold Cabinets (Insulated) ^(11 21 63)

11 21 63 00-0037 EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	1,658.50	74.93
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11 26 Compact Kitchens ^(11 20)

11 26 13 Metal Compact Kitchens ^(11 26)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11	11	Equipment
	11 20	Commercial Equipment
	11 26	Compact Kitchens



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 26 13 00-0001			30" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0002	EA		30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,261.49	541.14
			<i>For Gas Unit, Add</i>	230.99	
11 26 13 00-0003	EA		30" Compact Unit Kitchen With Refrigerator And Sink.....	1,897.60	378.80
11 26 13 00-0004	EA		30" Compact Unit Kitchen With Refrigerator And Range.....	1,729.37	324.69
11 26 13 00-0005	EA		30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	501.66	261.66
11 26 13 00-0006	EA		30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,027.88	174.44
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0007	EA		30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	65.51	14.06
11 26 13 00-0008	EA		30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	58.87	14.06
11 26 13 00-0009			42" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0010	EA		42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,622.52	595.26
			<i>For Gas Unit, Add</i>	274.33	
11 26 13 00-0011	EA		42" Compact Unit Kitchen With Refrigerator And Sink.....	2,350.07	487.03
11 26 13 00-0012	EA		42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	636.55	148.27
11 26 13 00-0013	EA		42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,192.49	196.25
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0014	EA		42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	78.83	14.06
11 26 13 00-0015	EA		42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	65.75	14.06
11 26 13 00-0016			54" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0017	EA		54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,535.21	757.60
			<i>For Gas Unit, Add</i>	378.76	
11 26 13 00-0018	EA		54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	788.88	87.22
11 26 13 00-0019	EA		54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,326.10	218.05
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 26 13 00-0020	EA		54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	91.79	14.06
11 26 13 00-0021	EA		54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	68.42	14.06
11 26 13 00-0022			60" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,723.44	811.72
			<i>For Gas Unit, Add</i>	396.17	
11 26 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	936.10	218.05
11 26 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	97.40	14.06
11 26 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	68.42	14.06
11 26 13 00-0027			72" Compact Kitchen <small>(11 26 13)</small>		
11 26 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,991.66	865.84
			<i>For Gas Unit, Add</i>	425.58	
11 26 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,143.32	261.66
11 26 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	113.66	17.57
11 26 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	71.60	17.57
11 40			Foodservice Equipment <small>(11)</small>		
11 41			Foodservice Storage Equipment <small>(11 40)</small>		
11 41 13			Refrigerated Food Storage Cases <small>(11 41)</small>		
11 41 13 00-0001			Frozen Food Cases <small>(11 41 13)</small>		
11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	1,032.51	324.78
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door).....	1,748.12	324.78
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	1,153.01	324.78
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case.....	1,689.81	324.78
11 41 13 00-0006			Reach-In Refrigerators <small>(11 41 13)</small>		
11 41 13 00-0007	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	2,865.72	141.15
11 41 13 00-0008	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,532.92	178.02
11 41 13 00-0009	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,690.13	196.67
11 41 13 00-0010	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,069.76	141.15
11 41 13 00-0011	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,990.44	178.02
11 41 13 00-0012	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,283.50	196.67
11 41 13 00-0013	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,421.69	141.15
11 41 13 00-0014	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,619.16	178.02
11 41 13 00-0015	EA		Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,137.31	141.15
11 41 13 00-0016	EA		Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,946.36	178.02
11 41 13 00-0017			Reach-In Freezers <small>(11 41 13)</small>		
11 41 13 00-0018	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	3,210.58	141.32
11 41 13 00-0019	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	4,250.25	177.77



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 Walk-In-Coolers ^(11 41)		
11 41 23 00-0001 Walk-In Refrigerated Boxes ^(11 41 23)		
Note: Overall heights include 4" floor panel and 4" ceiling panel.		
11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,085.63	1,055.29
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,419.59	
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,445.49	1,187.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,715.64	
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,962.05	1,319.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,800.81	
11 41 23 00-0006 EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,161.33	1,582.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,012.97	
11 41 23 00-0007 EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,727.72	1,846.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,316.68	
11 41 23 00-0008 EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,985.01	2,110.56
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,542.61	
11 41 23 00-0009 EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,220.61	2,374.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,763.69	
11 41 23 00-0010 EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,309.87	1,319.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,887.77	
11 41 23 00-0011 EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,191.07	1,451.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,064.23	
11 41 23 00-0012 EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,507.25	1,714.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,304.95	
11 41 23 00-0013 EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,217.65	1,978.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,644.86	
11 41 23 00-0014 EA 8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,553.66	2,242.48
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,891.19	
11 41 23 00-0015 EA 8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,931.17	2,506.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,147.21	
11 41 23 00-0016 EA 8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,265.68	2,770.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,393.54	
11 41 23 00-0017 EA 8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,639.47	3,033.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,648.29	
11 41 23 00-0018 EA 8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,980.58	3,297.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,895.89	
11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020 EA 10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,534.25	1,582.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,356.20	
11 41 23 00-0021 EA 10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,964.98	1,846.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,625.99	
11 41 23 00-0022 EA 10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,455.85	2,110.56
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,910.32	
11 41 23 00-0023 EA 10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,866.89	2,374.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,175.26	
11 41 23 00-0024 EA 10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,377.31	2,638.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,465.71	
11 41 23 00-0025 EA 10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,789.62	2,902.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,729.38	
11 41 23 00-0026 EA 10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,304.28	3,165.85
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-4,021.35	
11 41 23 00-0027 EA 10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,708.70	3,429.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-4,284.77	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0028 EA 10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,222.87	3,693.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,575.21	
11 41 23 00-0029 EA 10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,637.04	3,957.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,840.16	
11 41 23 00-0030 EA 10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,325.93	4,353.04
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,130.86	
11 41 23 00-0031 EA 10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,898.66	4,748.78
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,394.27	
11 41 23 00-0032 EA 12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,303.95	1,978.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,916.44	
11 41 23 00-0033 EA 12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,945.96	2,242.48
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,239.27	
11 41 23 00-0034 EA 12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,461.17	2,506.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,529.71	
11 41 23 00-0035 EA 12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,095.56	2,770.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,851.01	
11 41 23 00-0036 EA 12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,618.27	3,033.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,142.99	
11 41 23 00-0037 EA 12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,253.14	3,297.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,464.03	
11 41 23 00-0038 EA 12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,762.89	3,561.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,754.48	
11 41 23 00-0039 EA 12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,408.85	3,825.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,077.31	
11 41 23 00-0040 EA 12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,013.45	4,155.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,367.75	
11 41 23 00-0041 EA 12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,825.70	4,550.91
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,689.05	
11 41 23 00-0042 EA 12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,519.63	4,946.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,981.03	
11 41 23 00-0043 EA 12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,325.75	5,342.37
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,302.07	
11 41 23 00-0044 EA 12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,009.66	5,738.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,592.52	
11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046 EA 14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,796.33	2,374.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,907.62	
11 41 23 00-0047 EA 14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,618.87	2,638.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,276.10	
11 41 23 00-0048 EA 14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,588.10	2,902.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,679.00	
11 41 23 00-0049 EA 14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,409.78	3,165.85
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,047.73	
11 41 23 00-0050 EA 14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,366.02	3,429.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,449.10	
11 41 23 00-0051 EA 14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,199.45	3,693.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,819.36	
11 41 23 00-0052 EA 14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,159.32	3,957.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,220.73	
11 41 23 00-0053 EA 14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,160.33	4,353.04
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,589.46	
11 41 23 00-0054 EA 14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,291.00	4,748.78
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,992.36	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0055 EA 14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,313.66	5,144.51
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,360.83	
11 41 23 00-0056 EA 14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,432.87	5,540.24
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,762.46	
11 41 23 00-0057 EA 14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,444.47	5,870.02
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,132.46	
11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059 EA 16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,523.78	2,770.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,708.07	
11 41 23 00-0060 EA 16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,621.77	3,033.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,143.86	
11 41 23 00-0061 EA 16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,652.40	3,297.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,563.85	
11 41 23 00-0062 EA 16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,749.67	3,561.59
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,001.17	
11 41 23 00-0063 EA 16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,784.25	3,825.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,421.16	
11 41 23 00-0064 EA 16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,970.25	4,155.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,856.95	
11 41 23 00-0065 EA 16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,183.36	4,550.91
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,278.47	
11 41 23 00-0066 EA 16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,452.57	4,946.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,714.26	
11 41 23 00-0067 EA 16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,654.45	5,342.37
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,134.25	
11 41 23 00-0068 EA 16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,925.88	5,738.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,571.57	
11 41 23 00-0069 EA 18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,341.66	3,165.85
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,530.70	
11 41 23 00-0070 EA 18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,491.70	3,429.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,980.52	
11 41 23 00-0071 EA 18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,752.51	3,693.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,457.62	
11 41 23 00-0072 EA 18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,901.08	3,957.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,906.17	
11 41 23 00-0073 EA 18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,340.69	4,353.04
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,384.55	
11 41 23 00-0074 EA 18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,653.94	4,748.78
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,833.09	
11 41 23 00-0075 EA 18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,111.12	5,144.51
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,310.20	
11 41 23 00-0076 EA 18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,423.11	5,540.24
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,760.02	
11 41 23 00-0077 EA 18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,863.11	5,935.97
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,237.12	
11 41 23 00-0078 EA 18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,345.51	6,419.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,685.67	
11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080 EA 6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,454.87	1,055.29
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,511.90	
11 41 23 00-0081 EA 6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,588.29	1,187.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,751.34	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0082 EA 6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,431.25	1,319.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,918.11	
11 41 23 00-0083 EA 6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,699.89	1,582.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,147.61	
11 41 23 00-0084 EA 6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,296.88	1,846.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,458.97	
11 41 23 00-0085 EA 6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,623.53	2,110.56
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,702.24	
11 41 23 00-0086 EA 6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,889.73	2,374.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,930.97	
11 41 23 00-0087 EA 8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,817.83	1,319.10
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,014.76	
11 41 23 00-0088 EA 8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,729.63	1,451.01
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,198.87	
11 41 23 00-0089 EA 8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,115.17	1,714.84
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,456.93	
11 41 23 00-0090 EA 8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,856.17	1,978.66
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,804.49	
11 41 23 00-0091 EA 8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,261.54	2,242.48
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,068.16	
11 41 23 00-0092 EA 8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,669.65	2,506.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,331.83	
11 41 23 00-0093 EA 8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,073.52	2,770.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,595.50	
11 41 23 00-0094 EA 8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,477.91	3,033.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,857.90	
11 41 23 00-0095 EA 8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,888.38	3,297.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,122.84	
11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097 EA 10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,103.41	1,582.93
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,498.49	
11 41 23 00-0098 EA 10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,603.50	1,846.75
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,785.62	
11 41 23 00-0099 EA 10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,124.97	2,110.56
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,077.60	
11 41 23 00-0100 EA 10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,605.37	2,374.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,359.88	
11 41 23 00-0101 EA 10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,146.39	2,638.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,657.98	
11 41 23 00-0102 EA 10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,628.06	2,902.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,938.99	
11 41 23 00-0103 EA 10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,173.32	3,165.85
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,238.61	
11 41 23 00-0104 EA 10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,647.10	3,429.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,519.37	
11 41 23 00-0105 EA 10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,191.87	3,693.49
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,817.46	
11 41 23 00-0106 EA 10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,675.40	3,957.31
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,099.75	
11 41 23 00-0107 EA 10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,394.89	4,353.04
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,398.10	
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,036.98	4,682.82
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,678.85	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0109	EA		12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,011.83	1,978.66
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,093.41	
11 41 23 00-0110	EA		12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,684.44	2,242.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,423.89	
11 41 23 00-0111	EA		12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,269.01	2,506.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,731.67	
11 41 23 00-0112	EA		12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,934.00	2,770.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,060.62	
11 41 23 00-0113	EA		12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,526.07	3,033.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,369.94	
11 41 23 00-0114	EA		12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,191.54	3,297.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,698.63	
11 41 23 00-0115	EA		12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,770.65	3,561.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,006.42	
11 41 23 00-0116	EA		12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,447.21	3,825.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,336.90	
11 41 23 00-0117	EA		12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,121.17	4,155.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,644.68	
11 41 23 00-0118	EA		12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,964.02	4,550.91
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,973.63	
11 41 23 00-0119	EA		12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,727.31	4,946.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,282.95	
11 41 23 00-0120	EA		12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,564.03	5,342.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,611.64	
11 41 23 00-0121	EA		12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,317.30	5,738.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,919.43	
11 41 23 00-0122			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA		14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,565.41	2,374.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,099.89	
11 41 23 00-0124	EA		14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,457.31	2,638.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,485.71	
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,457.14	2,902.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,896.26	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,348.18	3,165.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,282.33	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,335.02	3,429.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,691.35	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,237.81	3,693.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,078.95	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,228.28	3,957.31
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,487.97	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,298.65	4,353.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,874.04	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,459.92	4,748.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,284.59	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,551.94	5,144.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,670.40	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,701.75	5,540.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,079.68	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,782.71	5,935.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,467.02	
11 41 23 00-0135			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,431.58	2,770.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,935.02	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,560.17	3,033.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,378.46	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,660.16	3,297.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,815.79	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,788.03	3,561.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,260.76	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,891.97	3,825.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,698.09	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,108.57	4,155.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,141.53	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,391.04	4,550.91
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,580.39	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,690.85	4,946.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,023.83	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,962.09	5,342.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,461.16	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,264.12	5,738.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,906.13	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,310.66	3,165.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,772.95	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,530.06	3,429.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,240.11	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,821.47	3,693.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,724.86	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,039.40	3,957.31
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,190.75	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,509.61	4,353.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,676.78	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,892.22	4,748.78
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,142.66	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,380.00	5,144.51
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,627.42	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,761.35	5,540.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,094.58	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,231.95	5,935.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,579.33	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,783.71	6,419.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,045.22	
11 41 23 00-0156			Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume	0.43	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume	0.80	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume	1.13	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume.....	7.96	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume.....	10.40	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume	1.28	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume	3.16	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume	4.08	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume	4.28	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.76	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.40	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.23	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.46	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	17.70	
11 41 23 00-0171			Air Cooled Condensing Units For Walk-In Coolers And Freezers <small>(11 41 23)</small>		
11 41 23 00-0172			Medium Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0173 208/230 Volt, 1 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,510.66	149.42
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,664.46	174.33
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,068.83	199.23
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,317.15	224.14
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,655.95	249.04
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,123.66	298.84
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,557.70	348.65
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,981.05	398.46
11 41 23 00-0182 208/230 Volt, 3 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,072.96	199.23
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,317.15	224.14
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,693.17	249.04
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,079.34	298.84
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,557.70	348.65
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,929.64	398.46
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,682.03	149.42
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,959.92	174.33
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,412.15	199.23
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,567.11	224.14
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,835.00	249.04
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,378.94	298.84
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,817.11	348.65
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,242.24	398.46
11 41 23 00-0199 208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,390.29	199.23
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,575.97	224.14
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,881.09	249.04
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,335.21	298.84
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,830.70	348.65
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,187.87	398.46
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	298.85	149.42
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,956.37	174.33
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,110.19	199.23
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,330.15	224.14
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,626.99	249.04
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,286.16	298.84
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,114.33	199.23
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,330.15	224.14
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,665.40	249.04
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,243.62	298.84
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,139.99	149.42
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,203.37	174.33
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,387.92	199.23
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,678.20	224.14
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,016.41	249.04

11	11 Equipment
	11 40 Foodservice Equipment
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,534.35	298.84
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,494.88	199.23
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,730.79	224.14
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,058.95	249.04
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,491.21	298.84
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,247.88	199.23
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,392.17	398.46
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,250.24	199.23
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,476.14	249.04
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,579.10	298.84
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,295.85	398.46
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,545.70	199.23
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,678.60	398.46
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,551.61	199.23
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,203.14	249.04
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,004.56	298.84
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,869.63	398.46
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,299.69	174.33
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,535.06	199.23
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,140.89	224.14
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,789.33	249.04
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,042.97	298.84
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,283.15	174.33
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,532.70	199.23
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,118.43	224.14
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,750.33	249.04
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,835.55	298.84
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,106.93	348.65
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,611.51	448.26



Equipment	11	
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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0265	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,319.50	522.98
11 41 23 00-0266	Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer, Bally.		
11 41 23 00-0267	208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,620.56	174.33
11 41 23 00-0269	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,808.07	199.23
11 41 23 00-0270	EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,425.12	224.14
11 41 23 00-0271	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,077.70	249.04
11 41 23 00-0272	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,350.84	298.84
11 41 23 00-0273	208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,568.56	174.33
11 41 23 00-0275	EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,810.43	199.23
11 41 23 00-0276	EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,416.26	224.14
11 41 23 00-0277	EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,033.97	249.04
11 41 23 00-0278	EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,163.52	298.84
11 41 23 00-0279	EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,920.03	348.65
11 41 23 00-0280	EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,476.62	448.26
11 41 23 00-0281	EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,253.16	522.98
11 41 23 00-0282	Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small>		
11 41 23 00-0283	Accessories <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284	EA Super Door Package, For 36" Or 42" Door.....	583.43	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA Super Door Package, For 48" Door.....	776.21	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA Super Door Package, For 60" Door.....	776.21	
	Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA 14" x 24" Observation Window, Heated.....	866.31	
11 41 23 00-0288	EA Heated Air Vent, Kason.....	330.81	
11 41 23 00-0289	EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	743.91	
11 41 23 00-0290	EA Interior Ramps, For 36" Or 42" Wide Doors.....	1,056.94	
11 41 23 00-0291	EA Interior Ramps, For 48" Wide Doors.....	1,153.84	
11 41 23 00-0292	EA Interior Ramps, For 60" Wide Doors.....	1,266.04	
11 41 23 00-0293	EA Exterior Ramps, For 36" Or 42" Wide Doors.....	438.82	
11 41 23 00-0294	EA Exterior Ramps, For 48" Wide Doors.....	789.70	
11 41 23 00-0295	EA Exterior Ramps, For 60" Wide Doors.....	789.70	
11 41 23 00-0296	EA Field Installed Extra Vapor-Proof Lights.....	109.82	
11 41 23 00-0297	EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	405.96	
11 41 23 00-0301	EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,034.96	
11 41 23 00-0302	EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,086.98	
11 41 23 00-0303	EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	524.96	
11 41 23 00-0304	EA Locking Devices, 36" Or 42" Wide Locking Bar.....	301.58	
11 41 23 00-0305	EA Locking Devices, 48" Wide Locking Bar.....	342.38	
11 41 23 00-0306	EA Locking Devices, 60" Wide Locking Bar.....	342.38	
11 41 23 00-0307	EA Locking Devices, Mortise Dead Bolt (Cooler).....	599.42	
11 41 23 00-0308	EA Locking Devices, Mortise Dead Bolt (Freezer).....	734.06	
11 41 23 00-0309	EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,183.42	
11 41 23 00-0310	EA Blast Freezer Kit, For 48" Wide Doors.....	1,248.70	
11 41 23 00-0311	EA Blast Freezer Kit, For 60" Wide Doors.....	1,283.38	
11 41 23 00-0312	EA Hardware Options, Polished For 36" Or 42" Door.....	56.10	
11 41 23 00-0313	EA Hardware Options, Polished For 48" Or 60" Door.....	45.90	
11 41 23 00-0314	EA Hardware Options, Chrome For 36" Or 42" Door.....	141.78	
11 41 23 00-0315	EA Hardware Options, Chrome For 48" Or 60" Door.....	76.50	
11 41 23 00-0316	EA Hardware Options, Positive Latch, 36" Or 42" Door.....	185.19	
11 41 23 00-0317	EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	136.23	
11 41 23 00-0318	EA 4" Screenshot Door.....	373.65	
11 41 23 00-0319	EA Doors Cut For Tile.....	447.09	
11 41 23 00-0320	EA 84" High Doors (36" Wide).....	447.09	
11 41 23 00-0321	EA Doors Raised Or Lowered In Panel.....	986.67	
11 41 23 00-0322	EA 57-1/2" Door Section.....	295.11	
11 41 23 00-0323	EA 3 Way (Interior And Exterior) Light Switches.....	245.48	
11 41 23 00-0324	EA 3 Way (1 Side Only) Light Switch.....	124.94	
11 41 23 00-0325	EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	222.47	
11 41 23 00-0326	EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	279.59	
11 41 23 00-0327	LF Structural Support, Self-Supporting Standard Angle.....	30.05	
11 41 23 00-0328	LF Structural Support, Self-Supporting 6" Channel.....	38.47	
11 41 23 00-0329	LF Structural Support, Self-Supporting 8" Channel.....	55.04	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41	23 00-0330	LF	Structural Support, Self-Supporting 10" Channel.....	86.91	
11 41	23 00-0331	LF	Structural Support, Suspended Ceiling Support	16.53	
11 41	23 00-0332	LF	Factory Prepared Opening, Foam Cut Opening	5.36	
11 41	23 00-0333	LF	Factory Prepared Opening, Metal Capped Opening.....	17.85	
11 41	23 00-0334	LF	Factory Prepared Opening, Wood Framed Opening.....	17.28	
11 41	23 00-0335	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	27.54	
11 41	23 00-0336	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	22.95	
11 41	23 00-0337	SF	Outdoor Weather Roofs, Aluminum Roof Caps	10.31	
11 41	23 00-0338	SF	Outdoor Weather Roofs, Membrane Roof Caps	5.61	
11 41	23 00-0339	SF	Outdoor Weather Roofs, Painted Aluminum Roofs.....	12.81	
11 41	23 00-0340	SF	1/8" Aluminum Tread Plate	30.51	
11 41	23 00-0341	SF	3/16" Aluminum Tread Plate	35.93	
11 41	23 00-0342	EA	Digitemp Display Thermometer (Indoor Exterior Wall).....	236.12	
11 41	23 00-0343	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	212.66	
11 41	23 00-0344	EA	6" Dial Type Thermometer With 5' Cap Tube.....	672.68	
11 41	23 00-0345	EA	2" Dial Type Thermometer (Standard).....	78.02	
11 41	23 00-0346	LF	Extra Capillary Tubing.....	9.15	

11 41 23 00-0347 Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41	23 00-0348	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High	2,409.46	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	116.08	
11 41	23 00-0349	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	2,623.98	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.58	
11 41	23 00-0350	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High	2,699.77	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	130.15	
11 41	23 00-0351	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	2,918.38	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.86	
11 41	23 00-0352	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High	2,859.53	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	137.70	
11 41	23 00-0353	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,073.02	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	148.16	
11 41	23 00-0354	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High	3,138.63	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	151.22	
11 41	23 00-0355	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,441.88	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	166.16	
11 41	23 00-0356	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High	3,309.60	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	159.32	
11 41	23 00-0357	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,524.12	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	169.83	
11 41	23 00-0358	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High	3,605.01	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	173.66	
11 41	23 00-0359	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,820.55	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	184.21	
11 41	23 00-0360	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High	4,398.29	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	212.88	
11 41	23 00-0361	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High	2,627.74	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.99	
11 41	23 00-0362	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High	2,809.62	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	135.86	
11 41	23 00-0363	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High	2,898.67	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.10	
11 41	23 00-0364	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,140.74	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	151.98	
11 41	23 00-0365	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High	3,069.65	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	148.21	
11 41	23 00-0366	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High	3,310.68	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	160.04	
11 41	23 00-0367	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High	3,400.77	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	164.32	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0368 EA 12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,641.80	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	176.15	
11 41 23 00-0369 EA 13'-6" Length Partition Wall, 8'-2"/8'-6" High.....	3,570.72	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	172.38	
11 41 23 00-0370 EA 14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,811.76	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	184.21	
11 41 23 00-0371 EA 15'-5" Length Partition Wall, 8'-2"/8'-6" High.....	3,901.83	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	188.50	
11 41 23 00-0372 EA 16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	4,142.87	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	200.33	
11 41 23 00-0373 EA 17'-4" Length Partition Wall, 8'-2"/8'-6" High.....	4,071.77	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	196.55	
11 41 23 00-0374 Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0375 EA 23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,012.86	
11 41 23 00-0376 EA 23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,106.70	
11 41 23 00-0377 EA 30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,115.88	
11 41 23 00-0378 EA 30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,234.20	
11 41 23 00-0379 EA 23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,354.56	
11 41 23 00-0380 EA 23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,440.24	
11 41 23 00-0381 EA 30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,445.34	
11 41 23 00-0382 EA 30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,681.98	
11 41 23 00-0383 EA 24" x 67" Glass Door, Anthony Model 101.....	1,377.00	
11 41 23 00-0384 EA 26" x 67" Glass Door, Anthony Model 101.....	1,705.44	
11 41 23 00-0385 EA 30" x 67" Glass Door, Anthony Model 101.....	1,820.70	
11 41 23 00-0386 EA 30x75 Glass Door, Anthony Model 101.....	1,859.46	
11 41 23 00-0387 EA 24" x 67" Glass Door, Anthony Model 101.....	2,097.12	
11 41 23 00-0388 EA 26" x 67" Glass Door, Anthony Model 101.....	2,327.64	
11 41 23 00-0389 EA 30" x 67" Glass Door, Anthony Model 101.....	2,370.48	
11 41 23 00-0390 EA 30" x 75" Glass Door, Anthony Model 101.....	2,528.58	
11 41 23 00-0391 EA 23" x 67" Glass Door, Anthony Model 401.....	1,087.32	
11 41 23 00-0392 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,145.46	
11 41 23 00-0393 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0394 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,320.90	
11 41 23 00-0395 EA 23" x 67" Glass Door, Anthony Model 401.....	1,466.76	
11 41 23 00-0396 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,535.10	
11 41 23 00-0397 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0398 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,833.96	
11 41 23 00-0399 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
11 41 23 00-0400 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	380.12	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0401 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	400.83	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0402 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	446.03	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0403 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	470.83	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0404 EA 14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	512.26	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0405 EA 18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	437.55	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0406 EA 18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	449.09	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0407 EA 18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	495.31	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0408 EA 18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	518.06	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0409 EA 18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	591.12	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0410 EA 21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	476.63	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0411 EA 21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	483.07	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0412 EA 21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	549.68	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0413 EA 21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	554.08	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0414 EA 21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	637.33	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0415 EA 14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	327.08	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0416 EA 14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	343.71	
For Cantilever Shelving, Add	402.00	

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41	23 00-0417	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	376.67 402.00	
11 41	23 00-0418	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	385.15 402.00	
11 41	23 00-0419	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	438.82 402.00	
11 41	23 00-0420	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	360.03 402.00	
11 41	23 00-0421	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	385.85 402.00	
11 41	23 00-0422	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	408.61 402.00	
11 41	23 00-0423	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	415.04 402.00	
11 41	23 00-0424	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	488.10 402.00	
11 41	23 00-0425	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	395.03 402.00	
11 41	23 00-0426	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	410.65 402.00	
11 41	23 00-0427	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	440.54 402.00	
11 41	23 00-0428	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	457.18 402.00	
11 41	23 00-0429	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	532.27 402.00	
11 41	23 00-0430	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,679.46 402.00	
11 41	23 00-0431	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,874.06 402.00	
11 41	23 00-0432	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,911.25 402.00	
11 41	23 00-0433	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,948.45 402.00	
11 41	23 00-0434	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,357.33 402.00	
11 41	23 00-0435	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,762.56 402.00	
11 41	23 00-0436	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,871.90 402.00	
11 41	23 00-0437	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,073.07 402.00	
11 41	23 00-0438	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,156.16 402.00	
11 41	23 00-0439	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,637.21 402.00	
11 41	23 00-0440	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,904.69 402.00	
11 41	23 00-0441	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,079.63 402.00	
11 41	23 00-0442	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,280.78 402.00	
11 41	23 00-0443	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,363.89 402.00	
11 41	23 00-0444	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,002.34 402.00	
11 41	23 00-0445	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	448.39 472.00	
11 41	23 00-0446	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	483.38 472.00	
11 41	23 00-0447	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	523.48 472.00	
11 41	23 00-0448	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	560.52 472.00	
11 41	23 00-0449	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	608.08 472.00	
11 41	23 00-0450	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	529.28 472.00	
11 41	23 00-0451	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	542.86 472.00	
11 41	23 00-0452	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	598.26 472.00	
11 41	23 00-0453	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	627.13 472.00	
11 41	23 00-0454	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	715.49 472.00	
11 41	23 00-0455	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	576.52 472.00	
11 41	23 00-0456	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	595.20 472.00	
11 41	23 00-0457	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	657.73 472.00	
11 41	23 00-0458	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	672.34 472.00	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0459	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	770.88 472.00	
11 41 23 00-0460	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	384.13 472.00	
11 41 23 00-0461	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	403.82 472.00	
11 41 23 00-0462	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	443.92 472.00	
11 41 23 00-0463	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	453.42 472.00	
11 41 23 00-0464	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	518.32 472.00	
11 41 23 00-0465	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	433.40 472.00	
11 41 23 00-0466	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	463.30 472.00	
11 41 23 00-0467	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	526.86 472.00	
11 41 23 00-0468	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	523.09 472.00	
11 41 23 00-0469	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	584.93 472.00	
11 41 23 00-0470	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	475.54 472.00	
11 41 23 00-0471	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	494.22 472.00	
11 41 23 00-0472	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	531.25 472.00	
11 41 23 00-0473	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	549.94 472.00	
11 41 23 00-0474	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	642.36 472.00	
11 41 23 00-0475	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,050.11 472.00	
11 41 23 00-0476	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,292.26 472.00	
11 41 23 00-0477	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,337.66 472.00	
11 41 23 00-0478	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,383.05 472.00	
11 41 23 00-0479	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,891.97 472.00	
11 41 23 00-0480	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,152.89 472.00	
11 41 23 00-0481	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,288.46 472.00	
11 41 23 00-0482	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,538.82 472.00	
11 41 23 00-0483	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,641.60 472.00	
11 41 23 00-0484	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,240.70 472.00	
11 41 23 00-0485	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,329.46 472.00	
11 41 23 00-0486	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,547.02 472.00	
11 41 23 00-0487	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,797.37 472.00	
11 41 23 00-0488	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,900.17 472.00	
11 41 23 00-0489	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,696.02 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001 Wall Cabinets (11 41 31)					
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	1,723.48	68.12
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,274.08	89.93
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,610.16	103.09
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	1,670.48	65.77
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)					
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck	162.47	6.80
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)					
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack	474.36	20.73
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack	549.51	23.43

11	Equipment
11 40	Foodservice Equipment
11 41	Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	653.38	28.07
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	355.35	15.33
11 41 31 00-0013			Tray And Silverware Cart (11 41 31)		
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,639.93	69.97
11 41 31 00-0015			Flat Top Utility Units (11 41 31)		
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,118.17	47.83
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,498.35	63.92
11 41 33			Foodservice Shelving (11 41)		
11 41 33 00-0001			Shelving/Racks (11 41 33)		
11 41 33 00-0002			Stainless Steel Shelving, Louvered, 4-Tier (11 41 33 00-0001)		
11 41 33 00-0003	EA		20" X 3' Stainless Steel Shelving, Louvered 4-Tier.....	577.78	43.94
11 41 33 00-0004	EA		20" X 4' Stainless Steel Shelving, Louvered 4-Tier.....	662.25	43.94
11 41 33 00-0005	EA		20" X 6' Stainless Steel Shelving, Louvered 4-Tier.....	819.92	43.94
11 41 33 00-0006	EA		24" X 3' Stainless Steel Shelving, Louvered 4-Tier.....	701.67	43.94
11 41 33 00-0007	EA		24" X 4' Stainless Steel Shelving, Louvered 4-Tier.....	763.61	43.94
11 41 33 00-0008	EA		24" X 6' Stainless Steel Shelving, Louvered 4-Tier.....	1,002.37	43.94
11 41 33 00-0009			Stainless Steel Shelving, Flat, 4-Tier (11 41 33 00-0001)		
11 41 33 00-0010	EA		20" X 3' Stainless Steel Shelving, Flat 4-Tier.....	572.15	43.94
11 41 33 00-0011	EA		20" X 4' Stainless Steel Shelving, Flat 4-Tier.....	645.35	43.94
11 41 33 00-0012	EA		20" X 5' Stainless Steel Shelving, Flat 4-Tier.....	746.71	43.94
11 41 33 00-0013	EA		24" X 3' Stainless Steel Shelving, Flat 4-Tier.....	645.35	43.94
11 41 33 00-0014	EA		24" X 4' Stainless Steel Shelving, Flat 4-Tier.....	752.35	43.94
11 41 33 00-0015	EA		24" X 6' Stainless Steel Shelving, Flat 4-Tier.....	831.18	43.94
11 41 33 00-0016			Galvanized Steel Shelving, Louvered, 4-Tier (11 41 33 00-0001)		
11 41 33 00-0017	EA		20" X 3' Galvanized Shelving, Louvered 4-Tier.....	516.30	43.94
11 41 33 00-0018	EA		20" X 4' Galvanized Shelving, Louvered 4-Tier.....	610.24	43.94
11 41 33 00-0019	EA		20" X 6' Galvanized Shelving, Louvered 4-Tier.....	832.47	43.94
11 41 33 00-0020	EA		24" X 3' Galvanized Shelving, Louvered 4-Tier.....	587.33	43.94
11 41 33 00-0021	EA		24" X 4' Galvanized Shelving, Louvered 4-Tier.....	660.64	43.94
11 41 33 00-0022	EA		24" X 6' Galvanized Shelving, Louvered 4-Tier.....	798.11	43.94
11 41 33 00-0023			Galvanized Steel Shelving, Flat, 4-Tier (11 41 33 00-0001)		
11 41 33 00-0024	EA		20" X 3' Galvanized Shelving, Flat 4-Tier.....	516.30	43.94
11 41 33 00-0025	EA		20" X 4' Galvanized Shelving, Flat 4-Tier.....	546.09	43.94
11 41 33 00-0026	EA		20" X 6' Galvanized Shelving, Flat 4-Tier.....	717.92	43.94
11 41 33 00-0027	EA		24" X 3' Galvanized Shelving, Flat 4-Tier.....	546.09	43.94
11 41 33 00-0028	EA		24" X 4' Galvanized Shelving, Flat 4-Tier.....	637.73	43.94
11 41 33 00-0029	EA		24" X 6' Galvanized Shelving, Flat 4-Tier.....	752.29	43.94
11 41 33 00-0030			Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0031	EA		24" X 3' Stainless Steel Dunnage Rack.....	408.17	35.14
11 41 33 00-0032	EA		24" X 4' Stainless Steel Dunnage Rack.....	441.96	35.14
11 41 33 00-0033			Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0034	EA		24" X 3' Galvanized Dunnage Rack.....	448.33	35.14
11 41 33 00-0035	EA		24" X 4' Galvanized Dunnage Rack.....	471.24	35.14
11 41 33 00-0036			Mobile Racks (11 41 33 00-0001)		
11 41 33 00-0037	EA		Mobile Rack With Pan Slide.....	1,380.78	35.14
11 41 33 00-0038			Can Racks (11 41 33 00-0001)		
11 41 33 00-0039	EA		Can Rack.....	2,068.85	35.14
11 42			Food Preparation Equipment (11 40)		
11 42 13			Food Preparation Appliances (11 42)		
11 42 13 00-0001			Vertical Cutter Mixers (11 42 13)		
11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart.....	8,180.99	211.93
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart.....	9,386.65	211.93
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart.....	11,792.55	364.52
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart.....	13,388.54	593.40



Equipment	11	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0006 Choppers <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	2,084.05	169.55
11 42 13 00-0008 EA Choppers, 16 LB.....	3,053.64	220.40
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB.....	5,849.58	271.27
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	4,843.69	241.00
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	5,484.89	241.00
11 42 13 00-0012 Floor Model Mixer <small>(11 42 13)</small>		
11 42 13 00-0013 EA Floor Type Mixers, 20 Quart.....	3,892.37	127.16
11 42 13 00-0014 EA Floor Type Mixers, 60 Quart.....	9,549.49	84.77
11 42 13 00-0015 EA Floor Type Mixers, 80 Quart.....	15,066.41	84.77
11 42 13 00-0016 EA Floor Type Mixers, 140 Quart.....	19,097.64	135.64
11 42 13 00-0017 Slicers <small>(11 42 13)</small>		
11 42 13 00-0018 EA Slicer With Table.....	3,265.77	122.41
11 42 13 00-0019 Peelers <small>(11 42 13)</small>		
11 42 13 00-0020 EA Small Peeler.....	2,256.41	137.75
11 42 13 00-0021 EA Large Peeler.....	2,401.31	183.70
11 42 13 00-0022 Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0023 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,160.46	69.97
11 42 13 00-0024 EA 30-1/2" x 45", Stainless Steel Proof Box.....	1,942.09	117.26
11 42 13 00-0025 EA 30-1/2" x 45", Galvanized Proof Box.....	1,706.66	53.23
11 42 13 00-0026 Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0027 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,564.41	67.06
11 42 13 00-0028 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,678.11	71.69
11 42 13 00-0029 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,553.79	66.51
11 42 13 00-0030 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,646.81	70.51
11 42 13 00-0031 Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0032 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	2,522.29	99.78
11 42 13 00-0033 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,635.84	104.32
11 42 13 00-0034 Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0035 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	3,884.30	178.02
11 42 13 00-0036 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,124.40	178.02
11 42 13 00-0037 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,237.17	186.50
11 42 13 00-0038 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	5,727.61	186.50
11 42 16 Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001 Tables <small>(11 42 16)</small>		
11 42 16 00-0002 Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003 EA 4' Open Base Baker's Table.....	757.41	44.49
11 42 16 00-0004 EA 10' Open Base Baker's Table.....	1,486.55	87.22
11 42 16 00-0005 EA 10' Undershelf Baker's Table.....	1,834.17	107.63
11 42 16 00-0006 EA 10' Three Drawers Baker's Table.....	1,967.21	115.56
11 42 16 00-0007 EA 10' Bins Baker's Table.....	2,894.30	170.08
11 42 16 00-0008 EA 10' Bins And Drawers Baker's Table.....	4,544.88	266.98
11 42 16 00-0009 Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010 EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf.....	420.92	23.46
11 42 16 00-0011 EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf.....	456.15	28.17
11 42 16 00-0012 EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	685.66	38.29
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014 EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	443.21	24.68
11 42 16 00-0015 EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	589.66	31.75
11 42 16 00-0016 EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	489.33	27.30
11 42 16 00-0017 EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	588.99	32.88
11 42 16 00-0018 EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	118.98	6.63
11 42 16 00-0019 Mobile Tables <small>(11 42 16 00-0001)</small>		

11	11 Equipment
	11 40 Foodservice Equipment
	11 42 Food Preparation Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,610.06	21.02
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	877.19	25.20
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	507.21	28.34
11 42 16 00-0023			Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	905.86	50.59
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	734.73	41.00
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables.....	60.98	3.40
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	89.21	4.97
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	1,811.86	109.59
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	3,605.09	218.65
11 42 16 00-0030			Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF		Table, Basic.....	253.58	19.54
11 42 16 00-0032			Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033	LF		Table With Sink.....	328.95	41.54
11 42 23			Food Preparation Scullery Sinks <small>(11 42)</small>		
11 42 23 00-0001			Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
<small>Note: Excludes faucet. See CSI section 22 42 39 00-0075 for service sink faucets.</small>					
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,018.28	174.33
<i>For Additional Drain Board, Add</i>				184.40	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	2,746.83	199.23
<i>For Additional Drain Board, Add</i>				256.01	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	3,570.97	199.23
<i>For Additional Drain Board, Add</i>				337.17	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	5,006.69	199.23
<i>For Additional Drain Board, Add</i>				480.75	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,261.51	199.23
11 42 23 00-0007	EA		Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	4,214.89	199.23
<i>For Additional Drain Board, Add</i>				402.81	
11 44			Food Cooking Equipment <small>(11 40)</small>		
11 44 13			Commercial Ranges <small>(11 44)</small>		
11 44 13 00-0001			Range <small>(11 44 13)</small>		
11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven.....	1,947.35	84.77
11 44 13 00-0003	EA		Range With Fry Top.....	1,947.35	84.77
11 44 13 00-0004	EA		Steel Finish Fry Top.....	4,152.71	131.62
11 44 13 00-0005	EA		Stainless Top Only Fry Top	4,150.29	130.11
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top.....	4,796.23	151.49
11 44 13 00-0007	EA		Gas Range, Vulcan #260L.....	4,339.79	134.97
<small>Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.</small>					
11 44 16			Commercial Ovens <small>(11 44)</small>		
11 44 16 00-0001			Bake Oven <small>(11 44 16)</small>		
11 44 16 00-0002	EA		Bake Oven - Single Deck.....	4,035.23	127.16
11 44 16 00-0003	EA		Bake Oven - Double Deck	8,188.52	169.55
11 44 16 00-0004	EA		Bake Oven - Triple Deck.....	11,893.27	169.55
11 44 16 00-0005	EA		Rotary Oven, Gas, Medium	31,231.75	5,510.18
11 44 16 00-0006			Combination Ovens <small>(11 44 16)</small>		
<small>Note: Convection, steam and combination modes.</small>					
11 44 16 00-0007	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	12,251.75	148.35
11 44 16 00-0008	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	20,044.51	169.55
11 44 16 00-0009	EA		35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	16,580.95	169.55
11 44 16 00-0010	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	39,869.69	211.93
11 44 16 00-0011	EA		35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	30,306.50	211.93
11 44 16 00-0012			Electric Convection Type Oven <small>(11 44 16)</small>		
11 44 16 00-0013	EA		40" x 45" x 57" Convection Oven.....	6,292.98	144.11
11 44 16 00-0014	EA		30" x 25" x 29" Half Size Electric Convection Oven	3,646.74	148.35
11 44 16 00-0015	EA		30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	7,377.84	158.94
11 44 16 00-0016	EA		40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	5,115.91	158.94
11 44 16 00-0017	EA		40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	9,622.39	169.55
11 44 16 00-0018			Broiler, Without Oven <small>(11 44 16)</small>		



Equipment	11	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0019	EA		69" x 26" x 39" Broiler Without Oven	5,380.96	135.64
11 44 16 00-0020	EA		Conveyor Broiler	4,793.03	157.42
11 44 19 Other Commercial Cooking Equipment (11 44)					
11 44 19 00-0001 Electric Griddle (11 44 19)					
11 44 19 00-0002	EA		24" Wide x 24" Deep Electric Griddle	2,218.73	116.56
11 44 19 00-0003	EA		36" Wide x 24" Deep Electric Griddle	3,118.35	116.56
11 44 19 00-0004	EA		48" Wide x 24" Deep Electric Griddle	3,564.37	127.16
11 44 19 00-0005	EA		60" Wide x 24" Deep Electric Griddle	4,246.23	127.16
11 44 19 00-0006	EA		72" Wide x 24" Deep Electric Griddle	5,423.38	137.75
11 44 19 00-0007 Fryer, With Submerger (11 44 19)					
11 44 19 00-0008	EA		Single Fryer With Submerger.....	2,964.73	135.64
11 44 19 00-0009	EA		Double Fryer With Submerger	5,972.24	169.55
11 44 19 00-0010	EA		Fryer Battery With Filter Unit (Single 42 LB Capacity)	9,027.51	220.40
11 44 19 00-0011	EA		Fryer Battery With Filter Unit (Triple 42 LB Capacity)	21,271.38	275.51
11 44 19 00-0012	EA		50 LB Capacity, 208 Volt, Electric Fryer	3,491.36	169.55
11 44 19 00-0013	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	5,084.80	178.02
11 44 19 00-0014	EA		50 LB Capacity, 480 Volt, Electric Fryer	3,658.43	169.55
11 44 19 00-0015	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,251.87	178.02
11 44 19 00-0016	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	11,445.56	220.40
11 44 19 00-0017	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	11,719.72	220.40
11 44 19 00-0018 Kettles, Steam Jacketed (11 44 19)					
11 44 19 00-0019	EA		5 Gallon Kettle, With Stand.....	3,059.22	107.98
11 44 19 00-0020	EA		20 Gallon Kettle With Steam Jacket	4,040.09	107.98
11 44 19 00-0021	EA		40 Gallon Kettle With Steam Jacket	7,126.21	107.98
11 44 19 00-0022	EA		60 Gallon Kettle With Steam Jacket	11,098.66	107.98
11 44 19 00-0023 Steamers, Electric (11 44 19)					
11 44 19 00-0024 Cooking Equipment/ Steamers (11 44 19 00-0023)					
11 44 19 00-0025	EA		3 Pan, Electric Countertop Convection Steamer.....	4,752.80	178.02
11 44 19 00-0026	EA		5 Pan, Electric Countertop Convection Steamer.....	6,224.87	186.50
11 44 19 00-0027	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,407.22	178.02
11 44 19 00-0028	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,374.08	186.50
11 44 19 00-0029 Braising Pans (11 44 19)					
11 44 19 00-0030	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	6,407.40	188.20
11 44 19 00-0031	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	6,761.20	197.92
11 44 19 00-0032	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	7,201.21	210.77
11 44 19 00-0033	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	8,352.83	245.42
11 44 19 00-0034	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	8,636.98	252.99
11 44 19 00-0035	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	8,971.47	259.68
11 44 19 00-0036 Toasters (11 44 19)					
11 44 19 00-0037	EA		Bun Toaster 3.2 KW	1,260.88	34.02
11 44 19 00-0038	EA		Bun Toaster 4.3 KW	1,376.05	37.07
11 44 19 00-0039	EA		Pop-Up Toaster, 2 Slot	447.40	91.80
11 44 19 00-0040	EA		Conveyor Toaster	763.66	137.75
11 44 19 00-0041 Microwave Ovens (11 44 19)					
11 44 19 00-0042	EA		1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	667.20	
11 44 19 00-0043	EA		1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	925.91	
11 44 19 00-0044 Ceramic Broiler On Storage Base With Doors (11 44 19)					
11 44 19 00-0045	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	5,278.96	154.30
11 44 19 00-0046	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors	5,278.96	154.30
11 44 19 00-0047	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	6,561.52	192.63
11 44 19 00-0048 Gas Countertop Hot Plate (11 44 19)					
11 44 19 00-0049	EA		2 Burners Gas Countertop Hot Plate	673.02	19.65
11 46 Food Dispensing Equipment (11 46)					
11 46 13 Bar Equipment (11 46)					
11 46 13 00-0001 Soft Serve Machines (11 46 13)					
11 46 13 00-0002	EA		Soft Serve Machines, Medium.....	9,155.87	100.20

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 00-0003 EA Soft Serve Machines, Large.....	15,431.74	122.41
11 46 13 00-0004 Salad Bars ^(11 46 13)		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height.....	7,032.85	418.40
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height.....	6,474.30	418.40
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height.....	4,509.28	229.88
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height.....	3,570.90	188.85
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height.....	5,417.66	277.06
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height.....	5,927.60	245.42
11 46 13 00-0011 EA Salad Bar Tray Fixed.....	1,164.64	41.57
11 46 13 00-0012 EA Salad Bar Tray Hinged.....	1,238.27	41.57
11 46 16 Service Line Equipment ^(11 46)		
11 46 16 00-0001 Food Warmer Holding Station ^(11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp.....	465.86	12.56
11 46 16 00-0003 Roll And Food Warmers ^(11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer.....	1,002.50	27.04
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer.....	2,294.19	61.93
11 46 16 00-0006 Hot Cabinets With Top Wells Electric ^(11 46 16)		
11 46 16 00-0007 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	5,396.55	154.30
11 46 16 00-0008 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	7,710.56	221.13
11 46 16 00-0009 Portable Hot Food Units ^(11 46 16)		
11 46 16 00-0010 EA 44-1/2", 3 Opening Portable Hot Food Unit.....	1,190.40	34.12
11 46 16 00-0011 EA 72-1/2", 5 Opening Portable Hot Food Unit.....	1,733.22	49.67
11 46 16 00-0012 Stationary Hot Food Units ^(11 46 16)		
11 46 16 00-0013 EA 44-1/2", 3 Opening Stationary Hot Food Unit.....	1,071.32	31.42
11 46 16 00-0014 EA 72-1/2", 5 Opening Stationary Hot Food Unit.....	1,580.80	46.32
11 46 16 00-0015 Serving Counters ^(11 46 16)		
11 46 16 00-0016 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section.....	99.41	34.59
11 46 16 00-0017 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	127.41	52.98
11 46 16 00-0018 Drop-In Equipment ^(11 46 16)		
11 46 16 00-0019 EA Hot Food Well, Rectangular.....	430.08	110.20
11 46 16 00-0020 EA Hot Food Well, Circular.....	397.31	110.20
11 46 16 00-0021 EA Refrigerated Well, 2 Compartment.....	1,008.76	110.20
11 46 16 00-0022 EA Refrigerated Well, 3 Compartment.....	1,143.63	122.41
11 46 16 00-0023 EA Refrigerated Well, 4 Compartment.....	1,298.13	137.75
11 46 16 00-0024 EA Frost Cold Plate.....	1,571.76	122.41
11 46 16 00-0025 Beverage Dispensing ^(11 46 16)		
11 46 16 00-0026 EA Coffee Urn, Twin 3 Gallon.....	2,589.78	193.30
11 46 16 00-0027 EA Coffee Urn, Twin 6 Gallon.....	3,686.29	270.57
11 46 16 00-0028 EA Coffee Brewer, 5 Burner.....	1,123.68	193.30
11 46 16 00-0029 EA Hot Chocolate Dispenser.....	1,080.04	159.21
11 46 16 00-0030 EA Iced Tea Brewer.....	1,546.90	159.21
11 46 16 00-0031 EA Juice Dispenser (Concentrate).....	1,144.60	244.65
11 46 16 00-0032 EA Jet Spray Dispenser.....	1,595.52	244.91
11 46 16 00-0033 EA Milk Dispenser, Bulk, 2 Flavor.....	1,320.62	137.75
11 46 16 00-0034 EA Milk Dispenser, Bulk, 3 Flavor.....	1,787.48	137.75
11 46 16 00-0035 Dish Dispensers ^(11 46 16)		
11 46 16 00-0036 EA Dish Dispenser, 12", Drop-in.....	518.71	25.09
11 46 16 00-0037 EA Dish Dispenser, Mobile.....	1,611.50	29.32
11 46 16 00-0038 EA Cup And Glass Dispenser, Drop-in.....	889.96	78.03
11 46 16 00-0039 EA Disposable Cup Dispenser, Drop-in.....	321.81	17.57
11 46 16 00-0040 Tray And Silver Dispensers ^(11 46 16)		
11 46 16 00-0041 EA Tray And Silver Dispensers Mobile.....	2,010.69	17.57



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0042 Condiment Dispensers <small>(11 46 16)</small>		
11 46 16 00-0043 EA Butter Pat Dispenser.....	120.93	22.01
11 46 16 00-0044 EA Bread Dispenser, Counter Top	335.52	22.01
11 46 16 00-0045 Sandwich Rack Warmer <small>(11 46 16)</small>		
11 46 16 00-0046 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	2,536.82	100.21
11 46 16 00-0047 Mobile Bread Counter <small>(11 46 16)</small>		
11 46 16 00-0048 EA Mobile Bread And Roll Counter	5,821.97	225.29
11 46 16 00-0049 Open Service Stand <small>(11 46 16)</small>		
11 46 16 00-0050 EA 6' Open Service Stand.....	2,269.54	96.64
11 46 16 00-0051 LF Each Additional Ft Over 6 Ft Add	310.45	13.06
11 46 16 00-0052 Mobile Serving Stand Unit <small>(11 46 16)</small>		
11 46 16 00-0053 EA 36" Mobile Serving Stand Unit.....	1,985.51	92.43
11 46 16 00-0054 EA 96" Mobile Serving Stand Unit.....	3,257.99	138.53
11 46 16 00-0055 Reach-In Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0056 EA Heated Cabinet, Reach-in, 1 Compartment.....	3,968.30	141.32
11 46 16 00-0057 EA Heated Cabinet, Reach-in, 2 Compartment.....	5,712.08	177.77
11 46 16 00-0058 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,152.58	141.32
11 46 16 00-0059 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	5,979.91	177.77
11 46 16 00-0060 Mobile Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0061 EA Heated Cabinet, Mobile	4,428.84	43.94
11 46 19 Soda Fountain Equipment <small>(11 46)</small>		
11 46 19 00-0001 Carbonated Beverage Dispensing <small>(11 46 19)</small>		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	2,833.05	344.42
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice	4,461.43	393.60
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice	8,165.52	551.02
11 46 19 00-0005 Beverage Chilling Systems <small>(11 46 19)</small>		
11 46 19 00-0006 EA Beverage Chiller, Small	4,277.05	332.01
11 46 19 00-0007 EA Beverage Chiller, Large	7,893.17	498.07
11 46 83 Ice Machines <small>(11 46)</small>		
11 46 83 00-0001 Ice Cube Maker <small>(11 46 83)</small>		
11 46 83 00-0002 EA 101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,812.76	148.35
11 46 83 00-0003 EA 201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,141.56	158.94
11 46 83 00-0004 EA 260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,448.38	169.55
11 46 83 00-0005 EA 320 LB/Day, Modular Ice Maker Without Bin	2,163.53	158.94
11 46 83 00-0006 EA 451 LB/Day, Modular Ice Maker Without Bin	2,348.89	169.55
11 46 83 00-0007 EA 600 LB/Day, Modular Ice Maker Without Bin	2,672.50	169.55
11 46 83 00-0008 EA 901 LB/Day, Modular Ice Maker Without Bin	3,778.61	180.14
11 46 83 00-0009 EA 1301 LB/Day, Modular Ice Maker Without Bin	4,271.26	180.14
11 46 83 00-0010 EA 1601 LB/Day, Modular Ice Maker Without Bin.....	5,131.17	190.74
11 46 83 00-0011 EA 1900 LB/Day, Modular Ice Maker Without Bin	5,654.71	190.74
11 46 83 00-0012 Ice Flakers <small>(11 46 83)</small>		
11 46 83 00-0013 EA Ice Flakers, 300 LB/Day	3,514.91	541.30
11 46 83 00-0014 EA Ice Flakers, 600 LB/Day	6,294.56	866.10
11 46 83 00-0015 EA Ice Flakers, 1,000 LB/Day.....	7,862.64	1,190.88
11 46 83 00-0016 EA Ice Flakers, 2,000 LB/Day.....	9,498.64	1,299.14
11 46 83 00-0017 Ice Storage Bins <small>(11 46 83)</small>		
11 46 83 00-0018 EA 260 LB Stainless Steel Ice Storage Bin	887.65	105.46
11 46 83 00-0019 EA 360 LB Stainless Steel Ice Storage Bin	966.75	105.46
11 46 83 00-0020 EA 550 LB Stainless Steel Ice Storage Bin	1,195.25	114.24
11 46 83 00-0021 EA 660 LB Stainless Steel Ice Storage Bin	1,283.14	114.24
11 46 83 00-0022 EA 1150 LB Stainless Steel Ice Storage Bin	2,399.31	123.04

11 48 Foodservice Cleaning and Disposal Equipment (11 40)

11	11 Equipment
	11 40 Foodservice Equipment
	11 48 Foodservice Cleaning and Disposal Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 48 13 Commercial Dishwashers (11 48)

11 48 13 00-0001	EA	Sprays And Hoses (11 48 13)		
11 48 13 00-0002	EA	Sprays, Fillers (11 48 13 00-0001)		
11 48 13 00-0003	EA	Pre-Rinse Spray.....	363.12	79.15
11 48 13 00-0004	EA	Kettle Fillers	322.17	79.15
11 48 13 00-0005	EA	Hoses (11 48 13 00-0001)		
11 48 13 00-0006	EA	Hose Reel.....	435.75	95.02
11 48 13 00-0007	EA	Wash-Down Hose.....	353.84	95.02
11 48 13 00-0008	EA	Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,311.14	
11 48 13 00-0009	EA	Rack Type Dishwasher (11 48 13)		
11 48 13 00-0010	EA	Dishwasher, 1 Tank And 190 Racks/Hour	7,220.92	216.46
11 48 13 00-0011	EA	Dishwasher, 2 Tanks And 234 Racks/Hour	11,976.40	303.05
11 48 13 00-0012	EA	Dishwasher, 2 Tanks And 265 Racks/Hour	14,401.72	324.69
11 48 13 00-0013	EA	Dishwasher, Automatic - 100 Meals/Hour.....	11,459.96	162.34
11 48 13 00-0014	EA	Dishwasher, Machine Rack	13,540.01	451.00
11 48 13 00-0015	EA	Dishwasher, Hobart LX30-H	3,650.02	189.40
11 48 13 00-0016	EA	Exhaust Hood Dishwasher (11 48 13)		
11 48 13 00-0017	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,515.64	191.04
11 48 13 00-0018	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,518.64	229.25
11 48 13 00-0019	EA	Dish Tables (11 48 13)		
11 48 13 00-0020	LF	Clean/Soiled Dish Table, Basic.....	194.81	41.54
11 48 13 00-0021	LF	Clean/Soiled Dish Table With Trough.....	303.88	62.26
11 48 13 00-0022	LF	Clean/Soiled Dish Table, Maximum	374.06	82.98
11 48 16	EA	Food Waste Disposers (11 48)		
11 48 16 00-0001	EA	Garbage Disposals (11 48 16) Note: Manual switch.		
11 48 16 00-0002	EA	Garbage Disposal 1.5 HP At 100 GPH.....	2,079.23	162.34
11 48 16 00-0003	EA	Garbage Disposal 3 HP At 120 GPH	3,154.15	108.23
11 48 16 00-0004	EA	Garbage Disposal 5 HP At 250 GPH	3,754.16	216.46
11 48 16 00-0005	EA	Garbage Disposal 7-1/2 HP	5,137.55	215.16
11 48 16 00-0006	EA	Pulper/Extractors (11 48 16)		
11 48 16 00-0007	EA	5 HP, Pulper/Extractor, Close-Coupled.....	4,559.91	225.44

11 50 Educational And Scientific Equipment (11)

11 52 Audio-Visual Equipment (11 50)

11 52 13 Projection Screens (11 52)

11 52 13 13 Fixed Projection Screens (11 52 13)

11 52 13 13-0001	EA	Screens (11 52 13 13)		
11 52 13 13-0002	EA	Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) (11 52 13 13-0001)		
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B).....	191.16	61.07
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B).....	231.69	78.53
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B).....	307.13	109.07
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B).....	360.76	130.88
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B).....	551.64	196.32
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13	13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	635.26 40.00 40.00 120.00	218.13
11 52 13	13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	438.20 40.00 40.00 120.00	139.60
11 52 13	13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	518.01 40.00 40.00 120.00	174.50
11 52 13	13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	257.32 40.00 40.00 120.00	74.16
11 52 13	13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	358.41 40.00 40.00 120.00	104.70
11 52 13	13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	394.58 40.00 40.00 120.00	117.79
11 52 13	13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	422.03 40.00 40.00 120.00	126.51
11 52 13	13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	494.38 40.00 40.00 120.00	152.69
11 52 13	13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	387.13 40.00 40.00 120.00	109.07
11 52 13	13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	442.03 40.00 40.00 120.00	126.51
11 52 13	13-0018		Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>		
11 52 13	13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	371.69 40.00 40.00 120.00	78.53
11 52 13	13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	457.13 40.00 40.00 120.00	109.07
11 52 13	13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	555.66 40.00 40.00 120.00	148.32
11 52 13	13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	671.64 40.00 40.00 120.00	196.32
11 52 13	13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	720.36 40.00 40.00 120.00	200.67
11 52 13	13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	775.26 40.00 40.00 120.00	218.13
11 52 13	13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	785.26 40.00 40.00 120.00	218.13
11 52 13	13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	841.43 40.00 40.00 120.00	231.22
11 52 13	13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	897.61 40.00 40.00 120.00	244.30
11 52 13	13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	962.50 40.00 40.00 120.00	261.76

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C).....	1,042.50	261.76
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C).....	1,257.01	349.01
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small>		
			Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	657.13	109.07
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	765.66	148.32
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	881.64	196.32
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	920.36	200.67
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	985.26	218.13
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	995.26	218.13
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,051.43	231.22
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,078.89	239.94
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,202.50	261.76
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,292.50	261.76
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,527.01	349.01
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0043			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) <small>(11 52 13 13-0001)</small>		
			Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,314.63	98.16
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,349.79	109.07
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,418.77	130.88
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,664.42	196.32
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,705.17	200.67
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,813.46	218.13
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,846.83	218.13
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,941.42	233.39
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,052.64	244.30
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,131.57	261.76
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,191.62	261.76
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,470.23	349.01
11 52 13 13-0056			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) <small>(11 52 13 13-0001)</small>		
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	2,222.50	261.76
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	2,477.01	349.01
			Note: Heavy-duty screen for exposed or recessed installation without doors.		



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,024.26	392.64
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,211.51	436.26
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,486.02	523.51
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,873.27	567.13
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,230.52	610.76
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,430.52	610.76
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,815.03	698.01
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,373.27	567.13
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,735.03	698.01
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,009.52	785.26
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,660.52	610.76
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,009.52	785.26
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,895.32	98.16
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	1,947.13	109.07
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,010.76	130.88
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,211.64	196.32
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,240.36	200.67
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,335.26	218.13
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,395.26	218.13
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,455.80	233.39
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,527.61	244.30
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,602.50	261.76
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,622.50	261.76
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,897.01	349.01
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,100.63	370.82
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,244.26	392.64
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,551.51	436.26
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,776.02	523.51
11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089 EA 50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,591.32	98.16
11 52 13 13-0090 EA 60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,648.94	119.97
11 52 13 13-0091 EA 70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,679.76	130.88
11 52 13 13-0092 EA 84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,839.64	196.32
11 52 13 13-0093 EA 6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,857.36	200.67
11 52 13 13-0094 EA 8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,930.26	218.13
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,983.26	218.13
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,084.80	233.39

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,120.61	244.30
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,198.51	261.76
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,245.76	305.38
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,473.01	349.01
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,014.63	370.82
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,153.26	392.64
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,425.51	436.26
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,642.02	523.51
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,964.27	567.13
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,218.52	610.76
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,364.52	610.76
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,851.03	698.01
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,679.76	130.88
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,796.01	174.50
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,848.64	196.32
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,130.61	244.30
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,328.76	305.38
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,902.26	392.64
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,152.77	479.89
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,335.77	654.38
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,801.01	174.50
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,863.64	196.32
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,918.81	209.41
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,962.71	226.85
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,082.61	244.30
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,290.76	305.38
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,875.26	392.64
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,351.77	479.89
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,051.27	567.13
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,522.35	98.16
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,576.19	109.07
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,643.84	130.88
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,857.46	196.32
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,892.87	200.67
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,985.16	218.13
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,074.57	218.13
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,162.49	233.39
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,227.00	244.30
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,329.95	261.76



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,422.03	261.76
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,673.95	349.01
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001) Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,815.26	218.13
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,182.50	261.76
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,124.26	392.64
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,746.02	523.51
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,620.52	610.76
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,095.26	218.13
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,592.50	261.76
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,949.76	305.38
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,484.26	392.64
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001) Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,479.02	218.13
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,090.40	239.94
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,531.45	261.76
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,243.49	283.57
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,911.65	6,606.27
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,680.20	349.01
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,811.35	392.64
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,191.55	436.26
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,754.96	479.89
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,668.08	523.51
11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair).....	31.09	6.54
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair).....	41.09	6.98
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	47.09	7.85
11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	260.80	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	370.80	
11 52 13 13-0168 Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning.....	1,283.11	
11 52 13 16 Portable Projection Screens (11 52 13)		
11 52 13 16-0001 Motion Picture Screen And Case (11 52 13 16)		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame.....	18.95	3.14
11 52 16 Projectors (11 52)		
11 52 16 26 Video Projectors (11 52 16)		
11 52 16 26-0001 Projectors (11 52 16 26)		

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	705.60	43.63
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	813.81	43.63
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,068.88	43.63
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,671.78	43.63
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,942.31	43.63
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	2,460.18	43.63
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,897.84	43.63
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,273.68	43.63
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	7,816.65	43.63
11 52 16 26-0011 Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012 Universal Projector Mounts <small>(11 52 16 26-0011)</small>		
Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	176.09	47.98
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	272.05	47.98
11 52 16 26-0015 Projector Mount Components <small>(11 52 16 26-0011)</small>		
Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	66.43	21.80
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	86.12	21.80
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	115.27	21.80
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	144.86	21.80
11 52 16 26-0021 Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	201.50	21.80
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	431.07	21.80
11 52 16 26-0024 Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	36.17	6.54
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	45.88	6.54
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts.....	49.53	6.54
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts.....	51.96	6.54
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts.....	62.38	8.72
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts.....	74.53	8.72
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts.....	93.96	8.72
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts.....	107.32	8.72
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts.....	126.26	10.90
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts.....	143.26	10.90
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts.....	159.78	13.09
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts.....	167.07	13.09
11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	72.81	10.90
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	109.25	10.90
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	111.68	10.90
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	115.33	10.90
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	125.77	13.09
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	131.84	13.09
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	145.20	13.09
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	157.35	13.09
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	175.07	15.27
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	187.22	15.27
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	204.94	17.44
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	213.44	17.44
11 53 Laboratory Equipment <small>(11 50)</small>		
11 53 43 Service Fittings And Accessories <small>(11 53)</small>		
11 53 43 00-0001 Outlet And Valves <small>(11 53 43)</small>		
11 53 43 00-0002 EA Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum).....	670.20	
11 53 43 00-0003 Test And Certify <small>(11 53 43)</small>		
11 53 43 00-0004 EA Test And Certify Medical Gas Port.....	54.13	



Equipment	11	
Healthcare Equipment	11 70	11
Laboratory Equipment	11 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 70 Healthcare Equipment ⁽¹¹⁾

11 73 Patient Care Equipment ^(11 70)

11 73 23 Patient Lift ^(11 73)

11 73 23 00-0001 Ceiling Patient Lift ^(11 73 23)

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	7,010.35	
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.				

11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾

11 81 Maintenance Equipment ^(11 80)

11 81 29 Facility Fall Protection ^(11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors ^(11 81 29)

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0062 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors ^(11 81 29 00-0001)

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	408.06	65.44
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.				
For Stainless Steel Pad Eye, Add			40.00	
For Foam Insulation Filled HSS Tube, Add			10.00	
11 81 29 00-0004	EA	Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	351.08	65.44
Note: Includes drilling in concrete and adhesive anchor systems.				
For Stainless Steel Pad Eye, Add			40.00	
For Foam Insulation Filled HSS Tube, Add			10.00	
11 81 29 00-0005	EA	Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	292.74	64.39
For Stainless Steel Pad Eye, Add			40.00	
For Foam Insulation Filled HSS Tube, Add			10.00	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor ^(11 81 29 00-0001)

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA	Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	321.09	65.44
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.				
For Stainless Steel Pad Eye, Add			40.00	
11 81 29 00-0008	EA	Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	293.27	65.44
Note: Includes drilling in concrete and adhesive anchor systems.				
For Stainless Steel Pad Eye, Add			40.00	
11 81 29 00-0009	EA	Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	262.38	64.39
For Stainless Steel Pad Eye, Add			40.00	

11 81 29 00-0010 Safety And Tie-Back Anchor Accessories ^(11 81 29 00-0001)

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	220.84	
Note: One cut sheet required per order.				

11 82 Facility Solid Waste Handling Equipment ^(11 80)

11 82 19 Packaged Incinerators ^(11 82)

11 82 19 00-0001 Electric Incinerator ^(11 82 19)

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour.....	21,311.59	849.37
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour.....	43,579.79	1,698.74
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour.....	145,192.36	2,548.11

11 82 26 Facility Waste Compactors ^(11 82)

11 82 26 00-0001 Waste Compactors ^(11 82 26)

11 82 26 00-0002 110 Volt Compactors ^(11 82 26 00-0001)

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour.....	11,542.59	410.03
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour.....	14,711.91	984.08

11 82 26 00-0005 230 Volt Compactors ^(11 82 26 00-0001)

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,865.98	1,312.11
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	16,900.00	1,722.15

11 82 26 00-0008 Trash Compactors ^(11 82 26)

11 82 26 00-0009	EA	Trash Compactor, Small.....	2,681.46	256.27
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11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0010 EA Trash Compactor, Large	3,294.78	290.00

END OF SECTION 11



Special Construction	13	13
Special Purpose Rooms	13 20	
Controlled Environment Rooms	13 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

See CSI section 11 41 23 00-0000 for refrigerated controlled environment rooms.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	GSF 10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.65	5.81
	For 30' To 49' In Length Only, Add	2.89	
	For 50' To 69' In Length Only, Add	1.58	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.31	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.49	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.68	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0005	GSF 12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.15	6.38
	For 30' To 49' In Length Only, Add	2.97	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.89	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.78	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.04	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.80	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0006	GSF 14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.81	7.04
	For 30' To 49' In Length Only, Add	3.06	
	For 50' To 69' In Length Only, Add	1.67	
	For 70' To 99' In Length Only, Add	0.69	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.34	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.01	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.61	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.09	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.43	
	For Each SF Of 24 Gauge Wall Panel, Add	0.80	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.87	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0007	GSF 16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	28.73	7.70
	For 30' To 49' In Length Only, Add	3.20	
	For 50' To 69' In Length Only, Add	1.75	
	For 70' To 99' In Length Only, Add	0.72	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.44	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.15	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.80	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.45	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.46	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.90	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008	GSF 18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	30.72	8.36
	For 30' To 49' In Length Only, Add	3.36	
	For 50' To 69' In Length Only, Add	1.84	
	For 70' To 99' In Length Only, Add	0.76	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.92	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.54	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.30	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.00	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.84	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.91	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.02	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009	GSF 20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	32.64	8.98
	For 30' To 49' In Length Only, Add	3.53	
	For 50' To 69' In Length Only, Add	1.93	
	For 70' To 99' In Length Only, Add	0.79	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.98	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.63	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.45	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.18	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.92	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.20	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.83	
	For Each SF Of 24 Gauge Wall Panel, Add	0.96	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.09	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010	GSF 24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	36.48	10.30
	For 30' To 49' In Length Only, Add	3.84	
	For 50' To 69' In Length Only, Add	2.09	
	For 70' To 99' In Length Only, Add	0.86	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.09	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.74	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.56	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.38	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.76	
	For Each SF Of 24 Gauge Wall Panel, Add	1.07	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.23	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011	>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
	(13 34 19 00-0002)		
13 34 19 00-0012	GSF 10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.47	4.62
	For 30' To 49' In Length Only, Add	2.70	
	For 50' To 69' In Length Only, Add	1.47	
	For 70' To 99' In Length Only, Add	0.61	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.00	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.89	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.91	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0013 GSF 12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.69	5.03
<i>For 30' To 49' In Length Only, Add</i>	2.78	
<i>For 50' To 69' In Length Only, Add</i>	1.52	
<i>For 70' To 99' In Length Only, Add</i>	0.62	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.65	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.08	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.63	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.11	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.60	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.12	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.21	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.66	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.66	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.72	5.45
<i>For 30' To 49' In Length Only, Add</i>	2.83	
<i>For 50' To 69' In Length Only, Add</i>	1.55	
<i>For 70' To 99' In Length Only, Add</i>	0.64	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.68	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.14	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.70	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.22	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.73	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.32	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.45	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.69	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.70	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.30	5.94
<i>For 30' To 49' In Length Only, Add</i>	2.98	
<i>For 50' To 69' In Length Only, Add</i>	1.63	
<i>For 70' To 99' In Length Only, Add</i>	0.67	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.73	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.22	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.82	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.37	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.92	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.62	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.83	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.73	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.75	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0016 GSF 18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.40	6.38
<i>For 30' To 49' In Length Only, Add</i>	3.27	
<i>For 50' To 69' In Length Only, Add</i>	1.79	
<i>For 70' To 99' In Length Only, Add</i>	0.74	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.79	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.32	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.98	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.57	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.17	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.02	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.34	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.80	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.80	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.21	6.82
<i>For 30' To 49' In Length Only, Add</i>	3.48	
<i>For 50' To 69' In Length Only, Add</i>	1.90	
<i>For 70' To 99' In Length Only, Add</i>	0.78	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.85	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.41	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.12	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.75	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.39	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.36	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.77	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.85	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.85	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0018	GSF 24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	30.71	7.70
	For 30' To 49' In Length Only, Add	3.67	
	For 50' To 69' In Length Only, Add	2.01	
	For 70' To 99' In Length Only, Add	0.83	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.92	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.54	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.30	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.99	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.83	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.92	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.95	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019	>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings (13 34 19 00-0002)		
13 34 19 00-0020	GSF 10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	15.55	2.86
	For 30' To 49' In Length Only, Add	2.36	
	For 50' To 69' In Length Only, Add	1.29	
	For 70' To 99' In Length Only, Add	0.53	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.73	
	For Each SF Of 24 Gauge Wall Panel, Add	0.49	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.41	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021	GSF 12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	16.20	3.04
	For 30' To 49' In Length Only, Add	2.43	
	For 50' To 69' In Length Only, Add	1.33	
	For 70' To 99' In Length Only, Add	0.55	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.58	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.08	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.51	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.43	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022	GSF 14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	16.84	3.21
	For 30' To 49' In Length Only, Add	2.50	
	For 50' To 69' In Length Only, Add	1.37	
	For 70' To 99' In Length Only, Add	0.56	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.20	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.04	
	For Each SF Of 24 Gauge Wall Panel, Add	0.53	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.45	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	17.79	3.39
	For 30' To 49' In Length Only, Add	2.64	
	For 50' To 69' In Length Only, Add	1.44	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.38	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.27	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.47	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0024 GSF 18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	18.54	3.57
For 30' To 49' In Length Only, Add	2.74	
For 50' To 69' In Length Only, Add	1.49	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.45	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025 GSF 20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.20	3.74
For 30' To 49' In Length Only, Add	2.81	
For 50' To 69' In Length Only, Add	1.54	
For 70' To 99' In Length Only, Add	0.63	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026 GSF 24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.01	4.09
For 30' To 49' In Length Only, Add	3.08	
For 50' To 69' In Length Only, Add	1.68	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.04	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028 Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0029 GSF 10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.83	4.62
For 30' To 49' In Length Only, Add	2.78	
For 50' To 69' In Length Only, Add	1.52	
For 70' To 99' In Length Only, Add	0.63	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.96	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.00	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.61	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.31	5.04
For 30' To 49' In Length Only, Add	2.94	
For 50' To 69' In Length Only, Add	1.60	
For 70' To 99' In Length Only, Add	0.66	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.65	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0031	GSF	14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.76	5.45
			For 30' To 49' In Length Only, Add	3.08	
			For 50' To 69' In Length Only, Add	1.68	
			For 70' To 99' In Length Only, Add	0.69	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.78	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.51	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.70	
			For Each SF Of 24 Gauge Wall Panel, Add	0.72	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.70	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0032	GSF	16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.69	5.94
			For 30' To 49' In Length Only, Add	3.31	
			For 50' To 69' In Length Only, Add	1.81	
			For 70' To 99' In Length Only, Add	0.75	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.28	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.93	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.50	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.08	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.88	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.17	
			For Each SF Of 24 Gauge Wall Panel, Add	0.78	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.75	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0033	GSF	18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.34	6.41
			For 30' To 49' In Length Only, Add	3.49	
			For 50' To 69' In Length Only, Add	1.90	
			For 70' To 99' In Length Only, Add	0.79	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.05	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.67	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.19	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.56	
			For Each SF Of 24 Gauge Wall Panel, Add	0.83	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.80	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0034	GSF	20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.98	6.86
			For 30' To 49' In Length Only, Add	3.66	
			For 50' To 69' In Length Only, Add	2.00	
			For 70' To 99' In Length Only, Add	0.82	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.45	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.17	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.83	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.51	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.96	
			For Each SF Of 24 Gauge Wall Panel, Add	0.88	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.85	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0035	GSF	24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.37	7.83
			For 30' To 49' In Length Only, Add	4.01	
			For 50' To 69' In Length Only, Add	2.19	
			For 70' To 99' In Length Only, Add	0.90	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.97	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.62	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.16	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.88	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.15	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.77	
			For Each SF Of 24 Gauge Wall Panel, Add	0.98	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.96	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0036		>30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0037 GSF 10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.83	4.09
For 30' To 49' In Length Only, Add	2.56	
For 50' To 69' In Length Only, Add	1.40	
For 70' To 99' In Length Only, Add	0.58	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.52	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038 GSF 12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.02	4.47
For 30' To 49' In Length Only, Add	2.66	
For 50' To 69' In Length Only, Add	1.45	
For 70' To 99' In Length Only, Add	0.60	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039 GSF 14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.20	4.84
For 30' To 49' In Length Only, Add	2.76	
For 50' To 69' In Length Only, Add	1.51	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040 GSF 16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.52	5.19
For 30' To 49' In Length Only, Add	2.91	
For 50' To 69' In Length Only, Add	1.59	
For 70' To 99' In Length Only, Add	0.66	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.20	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.28	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.40	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.67	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0041 GSF 18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.83	5.56
For 30' To 49' In Length Only, Add	3.05	
For 50' To 69' In Length Only, Add	1.66	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.72	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.71	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0042	GSF 20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.12	5.94
	For 30' To 49' In Length Only, Add	3.18	
	For 50' To 69' In Length Only, Add	1.73	
	For 70' To 99' In Length Only, Add	0.71	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.01	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.03	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.75	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043	GSF 24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.03	6.77
	For 30' To 49' In Length Only, Add	3.48	
	For 50' To 69' In Length Only, Add	1.90	
	For 70' To 99' In Length Only, Add	0.78	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.84	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.40	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.73	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.33	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.73	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.84	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044	>40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0045	GSF 10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.59	3.21
	For 30' To 49' In Length Only, Add	2.44	
	For 50' To 69' In Length Only, Add	1.33	
	For 70' To 99' In Length Only, Add	0.55	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.99	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.98	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.45	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046	GSF 12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.45	3.44
	For 30' To 49' In Length Only, Add	2.54	
	For 50' To 69' In Length Only, Add	1.39	
	For 70' To 99' In Length Only, Add	0.57	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.09	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.32	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.19	
	For Each SF Of 24 Gauge Wall Panel, Add	0.54	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.48	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0047	GSF 14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.29	3.65
	For 30' To 49' In Length Only, Add	2.64	
	For 50' To 69' In Length Only, Add	1.44	
	For 70' To 99' In Length Only, Add	0.59	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.78	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.19	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.48	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.39	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0048 GSF 16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.22	3.87
For 30' To 49' In Length Only, Add	2.75	
For 50' To 69' In Length Only, Add	1.50	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049 GSF 18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.37	4.13
For 30' To 49' In Length Only, Add	2.90	
For 50' To 69' In Length Only, Add	1.59	
For 70' To 99' In Length Only, Add	0.65	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.87	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.89	
For Each SF Of 24 Gauge Wall Panel, Add	0.63	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050 GSF 20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.44	4.36
For 30' To 49' In Length Only, Add	3.06	
For 50' To 69' In Length Only, Add	1.67	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.09	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.07	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051 GSF 24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.86	4.95
For 30' To 49' In Length Only, Add	3.35	
For 50' To 69' In Length Only, Add	1.83	
For 70' To 99' In Length Only, Add	0.75	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.73	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.64	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
<i>Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.</i>		
13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0052)</small>		
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.09	3.78
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0055	GSF		16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.22	4.05
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.78	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.19	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.46	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.37	
			For Each SF Of 24 Gauge Wall Panel, Add	0.56	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.54	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056	GSF		18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.12	4.27
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.63	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.59	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057	GSF		20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.97	3.96
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.85	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.60	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.55	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.54	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058	GSF		24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.53	4.31
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.54	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.00	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.90	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.93	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059			>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0060	GSF		14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.94	3.35
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.83	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061	GSF		16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.97	3.57
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.07	
			For Each SF Of 24 Gauge Wall Panel, Add	0.52	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.49	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0062 GSF 18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.87	3.78
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.29	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063 GSF 20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.66	3.96
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064 GSF 24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.19	4.31
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.51	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.97	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.42	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.85	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.57	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0052)		
13 34 19 00-0066 GSF 14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.89	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.79	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.57	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0067 GSF 16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.61	3.08
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.97	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.75	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.42	3.26
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 19 00-0069	GSF		20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.13	3.39
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.11	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070	GSF		24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.53	3.69
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.45	
			For Each SF Of 24 Gauge Wall Panel, Add	0.57	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)

13 34 19 00-0072	GSF		14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.53	2.82
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.49	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.41	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073	GSF		16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.11	2.95
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.63	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.42	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074	GSF		18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.81	3.08
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.00	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.79	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075	GSF		20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.47	3.21
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.13	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.95	
			For Each SF Of 24 Gauge Wall Panel, Add	0.51	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.45	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0076 GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.87	3.48
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.29	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0079 GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.32	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.72	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080 GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.87	3.08
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.57	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081 GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.00	2.99
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.60	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082 GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.60	3.13
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.74	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.62	3.35
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.58	2.68
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.63	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.26	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.39	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.05	2.77
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.37	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.40	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.58	2.88
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.75	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.50	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.42	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.09	2.99
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.62	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.43	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.10	3.21
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.10	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.45	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0090		Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34	19 00-0091		Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building		
			(13 34 19 00-0090)		
13 34	19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.06	2.55
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.27	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.13	
			For Each SF Of 24 Gauge Wall Panel, Add	0.41	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.38	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.62	2.64
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.63	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.27	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.08	2.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.52	2.82
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.52	3.08
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.96	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)		
13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.91	2.46
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.37	2.55
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.21	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.88	2.64
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.33	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.34	2.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.08	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.72	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.26	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.78	2.37
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.96	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.53	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.43	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.36	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.15	2.46
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.99	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.28	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.58	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.16	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.66	2.55
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.60	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	14.17	2.64
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.43	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.71	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.06	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.38	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.70	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.69	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.40	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.44	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.39	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	16.09	2.86
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.48	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.80	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.21	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.57	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.93	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.06	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.86	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.51	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.41	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0109 Metal Building Options <small>(13 34 19 00-0001)</small>		
<i>Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors.</i>		
13 34 19 00-0110 Metal Framing For Rough Openings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening.....	309.30	98.54
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening.....	455.56	127.57
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening.....	509.55	120.98
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening.....	545.84	123.17
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening.....	576.79	127.57
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening.....	300.66	98.54
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening.....	338.74	112.00
13 34 19 00-0118 LF Additional Girts.....	8.16	
13 34 19 00-0119 Wall Panel Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
<i>Note: Upgrade from 26 gauge wall panels.</i>		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	8.64	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	10.76	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	12.73	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	15.05	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
<i>Note: Upgrade from 26 gauge standing seam roof panels.</i>		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof.....	0.76	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42.....	11.95	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0127 SF Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42.....	12.89	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0128 SF Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42.....	13.66	
<i>Note: 24 gauge exterior and 24 gauge interior panels.</i>		
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
<i>For Premium Exterior Colors, Add</i>	0.12	
13 34 19 00-0129 EA 3' x 10' Translucent Fiberglass Panels.....	120.29	37.83
13 34 19 00-0130 LF Vented Ridge Vent For Standing Seam Roof.....	22.82	
13 34 19 00-0131 Insulation For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0132 SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.03	0.31
13 34 19 00-0133 SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.13	0.31
13 34 19 00-0134 SF 3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.28	0.42
13 34 19 00-0135 SF 3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.46	0.42

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.79	0.42
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.21	0.31
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.32	0.31
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.43	0.42
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.57	0.42
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.85	0.42
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.16	0.31
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.28	0.31
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.50	0.42
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.65	0.42
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.90	0.42
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.09	0.31
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.15	0.31
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.29	0.42
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.59	0.42
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.10	0.31
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.17	0.31
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.31	0.42
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.62	0.42
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.41	0.31
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.50	0.31
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.65	0.42
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.95	0.42

13 34 19 00-0159 Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)

13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	37.18	6.86
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	56.45	4.93
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy.....	53.49	11.00
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	12.27	
		For Overhead Braced (Up To 10' Wall Projection), Add	6.92	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy.....	44.72	9.24
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	10.26	
		For Overhead Braced (Up To 10' Wall Projection), Add	5.78	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	34.52	7.91
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	7.84	
		For Overhead Braced (Up To 10' Wall Projection), Add	4.39	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	67.47	16.71
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy.....	44.61	10.12
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit.....	25.49	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit.....	31.83	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit.....	38.43	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit.....	44.92	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit.....	57.23	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit.....	33.67	
		For 24 Gauge, Add	3.36	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit.....	41.99	
		For 24 Gauge, Add	4.24	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit.....	50.57	
		For 24 Gauge, Add	5.08	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit.....	59.17	
		For 24 Gauge, Add	5.92	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit.....	75.48	
		For 24 Gauge, Add	7.63	

13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)

13 34 19 00-0178	EA	4' x 3' Fixed Louver	443.49	137.26
13 34 19 00-0179	EA	12" Rotary Vent With Damper	272.04	87.98
13 34 19 00-0180	EA	20" Rotary Vent With Damper	456.80	117.45
13 34 19 00-0181	EA	24" Rotary Vent With Damper	590.90	131.97
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	692.25	175.96
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	730.98	175.96
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	832.36	175.96
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	899.08	175.96
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	972.48	175.96
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,045.88	175.96
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,367.40	219.96
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,487.50	219.96

13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)

13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	9.75	2.20
		For Galvanized Instead Of Painted, Deduct	-1.34	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	8.30	3.08
		For Galvanized Instead Of Painted, Deduct	-0.54	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 23 Fabricated Structures (13 34)

13 34 23 13 Portable And Mobile Buildings (13 34 23)

Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.

13 34 23 13-0001	Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
	Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	449.56	
13 34 23 13-0003	SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	385.59	
13 34 23 13-0004	SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	308.61	
13 34 23 13-0005	SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	244.21	
13 34 23 13-0006	SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	218.28	

13 34 23 13-0007 Relocate Trailer Within 5 Miles (13 34 23 13)

Note: Includes removal of tie-downs and underpins. Set-up tie-downs.

13 34 23 13-0008	EA Relocate Single Trailer Within 5 Miles	899.09	
13 34 23 13-0009	SF Install Under-Pinning	2.53	

13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life (13 34 23 13)

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0011	SF Single Trailer Up To 14' x 73'	33.77	
	For Each Delivery And Set-Up (Block And Level), Add	1,216.84	
	For Each Knock-Down And Pick-Up, Add	936.84	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
13 34 23 13-0012	SF Modular Trailers, Connected.....	47.28	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-Up (Block And Level), Add	2,643.33	
	For Each Knock-Down And Pick-Up, Add	1,993.33	
13 34 23 13-0013	EA Add Per Additional Exterior Door With Frame And Hardware.....	506.53	

13 34 23 13-0014 Accessories (13 34 23 13)

13 34 23 13-0015 Skirting (13 34 23 13-0014)

Note: Includes 2" x 4" wood framing 16" on center.

13 34 23 13-0016 Vinyl Covered, Exterior Only (13 34 23 13-0015)

13 34 23 13-0017	SF 1'-8" High Vinyl Covered Skirt.....	3.47	1.49
13 34 23 13-0018	SF 3' High Vinyl Covered Skirt.....	5.23	2.47

13 34 23 13-0019 Fiberglass, Exterior Only (13 34 23 13-0015)

13 34 23 13-0020	SF 1'-8" High Fiberglass Skirt.....	6.34	2.81
13 34 23 13-0021	SF 3' High Fiberglass Skirt.....	7.44	3.43

13 34 23 13-0022 Plywood, Exterior Only (13 34 23 13-0015)

13 34 23 13-0023	SF 1'-8" High 5/8" Plywood Skirt	6.21	2.99
13 34 23 13-0024	SF 3' High 5/8" Plywood Skirt.....	7.38	3.60

13 34 23 13-0025 Steel, Painted, Exterior Only (13 34 23 13-0015)

13 34 23 13-0026	SF 1'-8" High 26 Gauge Steel Skirt	6.80	2.81
13 34 23 13-0027	SF 3' High 26 Ga. Steel Skirt.....	7.96	3.43

13 34 23 13-0028 14" x 14" Access Hatch (13 34 23 13-0014)

Note: Simple design.

13 34 23 13-0029	EA 14" x 14" Vinyl Covered Access Hatch	169.32	65.95
13 34 23 13-0030	EA 14" x 14" Fiberglass Access Hatch	150.02	65.95
13 34 23 13-0031	EA 14" x 14" Plywood Access Hatch	168.36	65.95
13 34 23 13-0032	EA 14" x 14" 26 Gauge Steel Access Hatch.....	169.14	65.95

13 34 23 13-0033 Aluminum Modular Access Ramp (13 34 23 13-0014)

Note: Includes picketed guardrails, inside grabrails, legs and hardware.

13 34 23 13-0034	EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	1,869.83	21.99
13 34 23 13-0035	EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	1,896.22	28.58
13 34 23 13-0036	EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	3,886.52	43.97
13 34 23 13-0037	EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	4,183.97	43.97
13 34 23 13-0038	EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	1,970.58	28.58
13 34 23 13-0039	EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	1,944.19	21.99
13 34 23 13-0040	EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,712.34	28.58
13 34 23 13-0041	EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	1,934.33	28.58
13 34 23 13-0042	EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	1,934.33	28.58

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0043 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,197.38	28.58
13 34 23 13-0044 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,458.58	28.58
13 34 23 14 Fabricated Classroom Buildings (13 34 23)		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings (13 34 23 14)		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	50.32	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,643.33	
For Each Knock-Down And Pick-Up, Add	1,993.33	
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	51.80	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,643.33	
For Each Knock-Down And Pick-Up, Add	1,993.33	
13 34 23 16 Fabricated Control Booths (13 34 23)		
13 34 23 16-0001 Fabricated Parking Attendant Booths (13 34 23 16)		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,053.32	
13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures (13 34 23 31)		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Metal Shelter Structure	7,612.99	1,687.17
13 34 23 31-0003 EA 16' x 16' Metal Shelter Structure	8,884.42	1,760.55
13 34 23 31-0004 EA 16' x 32' Metal Shelter Structure	11,239.21	1,877.92
13 34 23 31-0005 EA 20' x 20' Metal Shelter Structure	10,570.96	1,819.23
13 34 23 31-0006 EA 20' x 30' Metal Shelter Structure	13,013.29	1,995.29
13 34 23 31-0007 EA 20' x 40' Metal Shelter Structure	15,425.50	2,053.98
13 34 23 31-0008 EA 24' x 24' Metal Shelter Structure	12,836.94	1,877.92
13 34 23 31-0009 EA 24' x 48' Metal Shelter Structure	18,044.14	2,347.40
13 34 23 31-0010 EA 30' x 30' Metal Shelter Structure	17,369.16	2,347.40
13 34 23 31-0011 EA 30' x 60' Metal Shelter Structure	31,415.31	2,934.25
13 34 23 31-0012 EA 40' x 40' Metal Shelter Structure	29,422.18	3,667.15
13 34 23 31-0013 EA 40' x 60' Metal Shelter Structure	42,180.35	4,107.95
13 40 Integrated Construction (13)		
13 42 Building Modules (13 40)		
13 42 63 Detention Cell Modules (13 42)		
13 42 63 16 Steel Detention Cell Modules (13 42 63)		
13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide	8,299.83	697.08
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot.....	16,186.17	933.41
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers	70.61	6.61
Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels.....	54.17	6.61
Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005 SF Perforated Metal Crime Shield.....	49.64	2.73
13 47 Facility Protection (13 40)		
13 47 13 Cathodic Protection (13 47)		
13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)		
13 47 13 13-0001 Anodes (13 47 13 13)		
13 47 13 13-0002 Magnesium Type, Conventional (13 47 13 13-0001)		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	317.42	139.06
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes	470.77	200.99
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	642.16	258.57
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	914.15	361.77
13 47 13 13-0007 Graphite Type (13 47 13 13-0001)		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	490.85	203.52
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	762.12	284.20
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	570.41	177.86



Special Construction	13
Integrated Construction	13 40
Facility Protection	13 47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	871.14	237.44
13 47 13 13-0012 Rectifiers <small>(13 47 13 13)</small>		
13 47 13 13-0013 Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,375.93	288.81
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,475.58	288.81
13 47 13 13-0016 Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	2,019.79	333.94
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,126.57	333.94
13 47 13 13-0019 Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	0.96	0.37
13 47 13 13-0021 Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	1,791.61	711.42
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	1,954.97	711.42
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	2,200.01	711.42
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	2,608.40	711.42
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	3,198.47	783.84
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	3,504.76	783.84
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	4,015.25	783.84
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	5,380.99	854.43
13 47 13 13-0030 Cathodic Test Stations <small>(13 47 13 13)</small>		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	250.42	83.23
13 47 13 16 Cathodic Protection for Underground Storage Tank <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, And Seismic Control <small>(13 40)</small>		
13 48 63 Fabricated Seismic Control Assemblies <small>(13 48)</small>		
13 48 63 00-0001 Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	122.44	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener	110.88	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener	166.84	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener	216.21	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	207.19	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	308.02	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	408.84	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	131.60	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	194.63	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	257.65	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components <small>(13 48 63)</small>		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1.....	22.89	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2.....	29.47	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3.....	37.38	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4.....	49.22	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1	21.81	
Note: To be used with angle or channel.		
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2	27.61	
Note: To be used with angle or channel.		
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3	34.65	
Note: To be used with angle or channel.		

13 Special Construction**13 40 Integrated Construction****13 48 Sound, Vibration, And Seismic Control**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	45.00	
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	25.33	
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	31.75	
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	42.10	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	40.44	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	54.73	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	72.74	
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	18.06	
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	21.37	
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	25.93	
13 48 63 00-0030 Seismic Restraints (13 48 63)		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	3.26	0.87
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	2.39	0.43
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	4.24	1.09
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.05	0.54
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.84	0.63
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	6.26	0.76
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray.....	155.57	0.65
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray.....	271.56	0.65
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	1.44	0.43
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	6.14	1.31
13 48 63 00-0041 LF Seismic Chord, Black.....	278.51	0.65
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	2.35	0.65
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding.....	17.65	5.23
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding.....	25.69	5.67
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding.....	40.44	6.11
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding.....	72.15	7.85
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16) Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 1-Section Barrier, 36"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,542.63	119.40
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,690.31	119.40
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,797.14	143.28
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	2,974.36	143.28
13 49 16 00-0007 2-Section Barrier, 72"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,373.71	191.04
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,580.46	191.04
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,775.95	214.92
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	6,237.17	238.80
13 49 16 00-0012 3-Section Barrier, 108"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,097.96	238.80
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,481.93	238.80
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,725.13	286.56
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	9,363.54	310.45
13 49 16 00-0017 X-Ray Barriers, Mobile (13 49 16) Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30"W x 75"H, Includes Framework (13 49 16 00-0017)		
13 49 16 00-0019 EA 24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	1,668.13	21.81



Special Construction	13	13
Integrated Construction	13 40	
Radiation Protection	13 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0020 48"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0021 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	2,938.18	21.81
13 49 16 00-0022 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,528.91	21.81
13 49 16 00-0023 72"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0024 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,469.84	21.81
13 49 16 00-0025 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	4,385.46	21.81
13 49 19 Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16 Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001 Lead Lined Drywall <small>(13 49 19 16)</small>		
13 49 19 16-0002 SF 1/32" Lead Lined 5/8" Fire Rated Drywall	8.17	1.15
13 49 19 16-0003 SF 1/16" Lead Lined 5/8" Fire Rated Drywall	12.76	1.37
13 49 19 16-0004 SF 1/8" Lead Lined 5/8" Fire Rated Drywall	21.56	1.65

END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 49	Radiation Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators ^(14 01)

14 01 20 00-0001 Elevator Maintenance ^(14 01 20)

14 01 20 00-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	815.53	
14 01 20 00-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	1,019.42	
14 01 20 00-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	611.66	
14 01 20 00-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	662.62	
14 01 20 00-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	178.40	
14 01 20 00-0007	HR	Elevator Servicing, Labor Only	138.35	
14 01 20 00-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	715.41	
14 01 20 00-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	817.36	
14 01 20 00-0010	EA	Full Load Test For Hydraulic Elevator	511.53	
14 01 20 00-0011	EA	Full Load Test For Roped Hydraulic Elevator	638.95	
14 01 20 00-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	587.99	
14 01 20 00-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	3,058.26	
14 01 20 00-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	3,364.08	
14 01 20 00-0015	EA	Acceptance Test Of Hydraulic Elevator	2,905.35	
14 01 20 00-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	3,007.29	
14 01 20 00-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,783.98	

14 01 20 00-0018 Elevator Modernization ^(14 01 20)

14 01 20 00-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	18,966.68	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 00-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	23,425.63	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 00-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	35,920.77	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 00-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	49,639.73	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 00-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	59,157.52	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 00-0024	EA	Replace Multi-Port Controller Valve System	8,516.16	
14 01 20 00-0025	SET	Car Roller Guide Assembly, Set Of Four	3,804.62	564.76
14 01 20 00-0026	EA	New Door Opening, Excluding Buildback	7,239.22	
14 01 20 00-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	15.19	5.18
14 01 20 00-0028	SF	Cab Flooring, Aluminum Diamond Plate	36.53	7.53
14 01 20 00-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,800.70	376.51
14 01 20 00-0030	EA	Electronic Leveling Device At Stop (Per Stop)	841.81	141.19
14 01 20 00-0031	EA	Hoistway Door Hangers Set	746.93	141.19
14 01 20 00-0032	EA	Hoistway Door Closer Set	333.65	75.30
14 01 20 00-0033	EA	Hoistway Door Interlock Set	530.94	117.66
14 01 20 00-0034	EA	Fire Service Switch Controller	1,749.05	141.19
14 01 20 00-0035	EA	Car Door Operators With ADA Buzzer	6,794.31	188.25
14 01 20 00-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	4,914.66	188.25
14 01 20 00-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	11,043.11	
14 01 20 00-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	465.40	65.89
14 01 20 00-0039	EA	Car Traveling Lanterns With Audible Signal	3,213.03	282.38
14 01 20 00-0040	EA	Hoistway Door Jam Floor Tags (Braille)	109.13	
14 01 20 00-0041	EA	Lobby Vandal Resistant Call Station	630.79	94.12
14 01 20 00-0042	EA	Car Voice Synthesized Floor Announcement Module	3,257.05	
14 01 20 00-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	16.45	7.06
14 01 20 00-0044	LF	Governor Cable	7.05	3.29
14 01 20 00-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	10,170.56	753.01
14 01 20 00-0046	EA	Remove And Replace Governor	4,882.80	
14 01 20 00-0047	EA	Remove And Replace Car Station	7,014.36	

14 Conveying Equipment**14 01 Operation And Maintenance Of Conveying Equipment****14 01 20 Operation And Maintenance Of Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 01 20 00-0048	EA	Remove And Replace Telephone	2,956.06	
14 01 20 00-0049	EA	Remove And Replace Lanterns	2,187.43	
14 01 20 00-0050	EA	Hall Call Buttons, Vandal Resistant	457.04	117.66
14 01 20 00-0051	EA	Hall Traveling Lanterns With Audible Signal	846.83	164.72
14 01 20 00-0052	EA	Add Raised Character (Braille) Signage To Control Panel	70.40	
14 01 20 00-0053	EA	Reprogram Existing Controller, Signal Fixtures	19,078.15	
14 01 20 00-0054	EA	New Walls And Platform, Plastic Laminate, For 5' x 7' Cab	6,980.81	470.63
14 01 20 00-0055	EA	New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab	9,914.32	564.76
14 01 20 00-0056	EA	Replace Elevator Or Hoistway Doors, Baked Enamel	8,626.07	658.88
14 01 20 00-0057	EA	Reopening Device, Manual	3,498.09	329.44
14 01 20 00-0058	EA	Reopening Device, Automatic	17,645.84	329.44
14 01 20 00-0059	EA	Elevator Pit Ladder	1,228.12	376.51
14 01 20 00-0060	EA	New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	9,587.04	470.63
14 01 20 00-0061	LF	Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	13.23	7.06
14 01 20 00-0062	LF	Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7	14.69	7.06
14 01 20 00-0063	LF	Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	16.58	7.06
14 01 20 00-0064	EA	Hydraulic Leak Detector And Alarm In Elevator Pit (Sensorcomm Inc)	3,924.55	131.10
14 01 20 00-0065	LF	6" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	262.50	21.90
14 01 20 00-0066	LF	8" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	142.16	49.25
14 01 20 00-0067	LF	10" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	153.06	49.39
14 01 20 00-0068	LF	12" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel	65.55	49.42
14 01 20 00-0069	EA	"RopeGripper" With Pumping Unit For Use On 4-7/8" Maximum Out To Out Of Cable	5,081.05	786.55
14 01 20 00-0070	EA	"RopeGripper" With Pumping Unit For Use On 6" Maximum Out To Out Of Cable	6,707.69	917.64
14 01 20 00-0071	EA	"RopeGripper" With Pumping Unit For Use On 10" Maximum Out To Out Of Cable	8,843.39	1,048.73
14 01 20 00-0072	EA	"RopeGripper" With Pumping Unit For Use On 11-1/2" Maximum Out To Out Of Cable	9,874.28	1,114.28
14 01 20 00-0073	EA	60 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	2,793.01	131.10
14 01 20 00-0074	EA	100 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	3,205.51	157.31
14 01 20 00-0075	EA	200 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock	4,258.61	183.53
14 01 20 00-0076	EA	Aluminum Handrail Spacers With Set Screw	23.44	5.10
14 01 20 00-0077	EA	Bronze Handrail Spacers With Set Screw	37.79	5.10
14 01 20 00-0078	LF	1/2" x 2" Obround Stainless Steel Elevator Handrail	49.61	3.82
14 01 20 00-0079	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	68.38	3.82
14 01 20 00-0080	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	92.07	4.08
14 01 20 00-0081	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	107.03	3.82
14 01 20 00-0082	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	129.61	4.08
14 01 20 00-0083	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish	83.84	3.82
14 01 20 00-0084	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish	107.53	4.08
14 01 20 00-0085	LF	3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish	114.76	3.82
14 01 20 00-0086	LF	3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish	138.45	4.08
14 01 20 00-0087	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	72.41	3.82
14 01 20 00-0088	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	78.98	3.82
14 01 20 00-0089	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	105.76	4.08
14 01 20 00-0090	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	118.90	4.08
14 01 20 00-0091	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	110.89	3.82
14 01 20 00-0092	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	118.40	3.82
14 01 20 00-0093	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	137.67	4.08
14 01 20 00-0094	LF	3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	150.81	4.08
14 01 20 00-0095	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	83.84	3.82
14 01 20 00-0096	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	91.57	3.82
14 01 20 00-0097	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	122.99	4.08
14 01 20 00-0098	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish	138.45	4.08
14 01 20 00-0099	LF	3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	129.11	3.82
14 01 20 00-0100	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	137.95	3.82
14 01 20 00-0101	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	160.53	4.08
14 01 20 00-0102	LF	3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	175.99	4.08

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

(14 01)

14 01 30 00-0001 Maintenance (14 01 30)

14 01 30 00-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	611.66	
14 01 30 00-0003	HR	Escalator Servicing, Labor Only	101.94	
14 01 30 00-0004	EA	Acceptance Test Of Escalators And Moving Walks	3,364.08	

14 01 30 00-0005 Modernization (14 01 30)

14 01 30 00-0006	EA	Replace 28" Wide Escalator Stair Tread	1,793.36	
14 01 30 00-0007	EA	Replace 36" Wide Escalator Stair Tread	1,936.66	
14 01 30 00-0008	EA	Replace 48" Wide Escalator Stair Tread	2,046.12	
14 01 30 00-0009	EA	Replace 54" Wide Escalator Stair Tread	2,214.88	
14 01 30 00-0010	LF	Replace Sliding Handrail	163.59	

14 20 Elevators (14)

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators (14 20)



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (1424)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 13 00-0002	EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM	126,995.57	7,932.02
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-11,113.16	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0003	EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM	138,558.42	8,471.37
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-12,161.57	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0004	EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	160,306.44	8,861.23
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-14,258.39	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0005	EA Hydraulic Freight Elevator, 3,000 LB x 100 FPM	141,853.58	8,022.10
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-12,580.93	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM.....	151,345.14	8,574.24
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,263.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Elevator With Manual Door, Deduct</i>	-13,419.66	
			<i>For Class "B" Loading, Add</i>	1,235.00	
			<i>For Class "C-1" Loading, Add</i>	2,935.00	
			<i>For Class "C-2" Loading, Add</i>	3,530.00	
			<i>For Class "C-3" Loading, Add</i>	4,800.00	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM.....	175,440.55	9,089.49
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,263.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Elevator With Manual Door, Deduct</i>	-15,726.17	
			<i>For Class "B" Loading, Add</i>	1,235.00	
			<i>For Class "C-1" Loading, Add</i>	2,935.00	
			<i>For Class "C-2" Loading, Add</i>	3,530.00	
			<i>For Class "C-3" Loading, Add</i>	4,800.00	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM.....	154,434.51	8,022.10
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,263.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Elevator With Manual Door, Deduct</i>	-13,839.03	
			<i>For Class "B" Loading, Add</i>	1,235.00	
			<i>For Class "C-1" Loading, Add</i>	2,935.00	
			<i>For Class "C-2" Loading, Add</i>	3,530.00	
			<i>For Class "C-3" Loading, Add</i>	4,800.00	
14 24	13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM.....	166,341.10	8,733.41
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,263.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Elevator With Manual Door, Deduct</i>	-14,887.44	
			<i>For Class "B" Loading, Add</i>	1,235.00	
			<i>For Class "C-1" Loading, Add</i>	2,935.00	
			<i>For Class "C-2" Loading, Add</i>	3,530.00	
			<i>For Class "C-3" Loading, Add</i>	4,800.00	



Conveying Equipment	14	14
Elevators	14 20	
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010 EA Hydraulic Freight Elevator, 6,000 LB x 150 FPM.....	188,379.50	9,268.43
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-16,984.26	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling <small>(14 24 13)</small>		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling	59.07	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	69.65	
Note: Includes casing.		
14 24 13 00-0014 VLF 12" To 16" Diameter Piston Drilling.....	77.51	
Note: Includes casing.		
14 24 13 00-0015 VLF 18" Diameter Piston Drilling.....	87.77	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators <small>(14 24)</small>		
14 24 23 00-0001 Hydraulic Passenger Elevators <small>(14 24 23)</small>		
Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of \$4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,000 LB x 50 FPM.....	105,399.62	7,618.11
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 50 FPM.....	110,220.99	7,932.02
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0004 EA Hydraulic Passenger Elevator, 3,000 LB x 50 FPM.....	119,755.06	8,505.34
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 2,000 LB x 100 FPM.....	115,461.99	7,932.02
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0006 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	122,094.41	8,626.68
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	128,420.51	9,168.18
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	124,031.65	8,022.10
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0009 EA Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	135,484.65	9,031.33
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0010 EA Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	146,027.39	10,109.07
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0011 Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0012 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	85,280.37	7,932.02
14 24 23 00-0013 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	64,034.79	6,777.09
14 26 Limited-Use/Limited-Application Elevators ^(14 26)		
14 26 00 00-0001 Small Elevators, 1 Passenger Capacity ^(14 26)		
Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.		
14 26 00 00-0002 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	33,322.83	3,860.22
14 26 00 00-0003 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	38,457.05	4,825.28
14 26 00 00-0004 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	43,611.66	5,790.33
14 26 00 00-0005 Small Elevators, 2 To 3 Passenger Capacity ^(14 26)		
Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0006 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	48,214.75	5,790.33
14 26 00 00-0007 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	54,846.06	6,755.39
14 26 00 00-0008 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	61,453.18	7,720.44
14 26 00 00-0009 EA 5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	68,685.49	8,685.50
14 26 00 00-0010 EA 6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	77,488.47	10,133.08



Conveying Equipment	14	14
Elevators	14 20	
Limited-Use/Limited-Application Elevators	14 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 26 00 00-0011 EA 7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	86,813.26	11,580.66
14 26 00 00-0012 Small Elevators, 4 To 6 Passenger Capacity ^(14 26) Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0013 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	74,846.77	9,446.63
For #4 Brushed Stainless Steel Doors, Add	111.91	
For Wrap Around Front, Add	55.95	
For Metal Hand Rails, Add	279.77	
For Wood Hand Rails, Add	419.65	
For Red Oak Side Panels, Add	1,678.60	
14 26 00 00-0014 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	85,573.38	11,304.18
For #4 Brushed Stainless Steel Doors, Add	125.93	
For Wrap Around Front, Add	62.97	
For Metal Hand Rails, Add	314.83	
For Wood Hand Rails, Add	472.24	
For Red Oak Side Panels, Add	1,888.95	
14 26 00 00-0015 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	96,805.21	13,414.27
For #4 Brushed Stainless Steel Doors, Add	139.95	
For Wrap Around Front, Add	69.98	
For Metal Hand Rails, Add	349.88	
For Wood Hand Rails, Add	524.83	
For Red Oak Side Panels, Add	2,099.30	

14 30 Escalators And Moving Walks ⁽¹⁴⁾

14 31 Escalators ^(14 30)

14 31 00 00-0001 Escalators Stainless Steel Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002 EA Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	203,333.94	10,353.89
14 31 00 00-0003 EA Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	223,400.21	12,236.41
14 31 00 00-0004 EA Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	242,865.76	14,118.95
14 31 00 00-0005 EA Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	266,790.12	16,942.73
14 31 00 00-0006 EA Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	295,072.03	18,825.26
14 31 00 00-0007 EA Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	215,348.99	11,012.78
14 31 00 00-0008 EA Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	236,856.47	13,177.68
14 31 00 00-0009 EA Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	256,214.88	15,060.21
14 31 00 00-0010 EA Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	286,464.03	18,919.38
14 31 00 00-0011 EA Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	309,658.21	20,331.27
14 31 00 00-0012 EA Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	227,600.41	11,671.66
14 31 00 00-0013 EA Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	250,867.60	14,118.95
14 31 00 00-0014 EA Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	269,302.18	16,001.47
14 31 00 00-0015 EA Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	307,187.84	19,954.78
14 31 00 00-0016 EA Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	326,420.82	21,837.30
14 31 00 00-0017 EA Escalator Fire Shutter Fusible Link.....	31,993.09	376.51

14 32 Moving Walks ^(14 30)

14 32 00 00-0001 Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002 LF Moving Sidewalks, 28" Wide.....	1,958.21	225.90
For Each LF Of Ramp Or Sloped Sections, Add	337.42	
14 32 00 00-0003 LF Moving Sidewalks, 36" Wide.....	2,733.86	230.61
For Each LF Of Ramp Or Sloped Sections, Add	491.43	
14 32 00 00-0004 LF Moving Sidewalks, 48" Wide.....	3,116.17	240.02
For Each LF Of Ramp Or Sloped Sections, Add	565.64	
14 32 00 00-0005 LF Moving Sidewalks, 54" Wide.....	3,608.80	260.35
For Each LF Of Ramp Or Sloped Sections, Add	659.28	

14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	3,736.63	458.74
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Note: Includes top and bottom call button, safety chair, track, and power unit.

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Shorty Wheelchair Lift ^(14 42 16)

14 Conveying Equipment**14 40 Lifts****14 42 Wheelchair Lifts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	5,991.59	305.83
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	5,991.59	305.83
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	8,195.38	407.77
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	9,195.38	407.77
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0006	EA		18" Travel Wheelchair Incline Lift Note: 500 LB capacity, interior installation.	11,526.07	815.53

14 90 Other Conveying Equipment ⁽¹⁴⁾**14 91 Facility Chutes** ^(14 90)**14 91 82 Trash Chutes** ^(14 91)**14 91 82 00-0001 Trash Chutes** ^(14 91 82)

14 91 82 00-0002	LF		18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports For Aluminum, Add	21.78 1.38	4.17
			For Stainless Steel, Add	4.84	
14 91 82 00-0003	LF		24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports For Aluminum, Add	27.36 1.87	4.17
			For Stainless Steel, Add	6.55	
14 91 82 00-0004	LF		30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports For Aluminum, Add	30.10 2.07	5.21
			For Stainless Steel, Add	7.26	
14 91 82 00-0005	LF		36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports For Aluminum, Add	44.31 3.42	5.21
			For Stainless Steel, Add	11.95	
14 91 82 00-0006	EA		Trash Chutes, Hopper For Aluminum, Add	387.01 32.83	29.18
			For Stainless Steel, Add	114.90	
14 91 82 00-0007	EA		Trash Chutes, Skylight For Aluminum, Add	229.08 11.42	57.31
			For Stainless Steel, Add	39.97	
14 91 82 00-0008	EA		Trash Chutes, Sprinkler Unit At Top For Aluminum, Add	182.09 5.00	62.52
			For Stainless Steel, Add	17.49	
14 91 82 00-0009	EA		Trash Chutes, Sprinkler Unit At Intake Hopper For Aluminum, Add	52.60 0.86	21.88
			For Stainless Steel, Add	3.00	
14 91 82 00-0010	EA		Refuse Type Bottom Storage Hopper Unit For Aluminum, Add	376.41 21.13	78.15
			For Stainless Steel, Add	73.94	
14 91 82 00-0011	EA		Hopper Doors For Aluminum, Add	740.56 21.13	55.30
			For Stainless Steel, Add	73.94	

14 91 82 00-0012 Alumimized Steel Trash Chutes And Accessories ^(14 91 82)

Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.

14 91 82 00-0013	EA		Refuse Bottom Hopper, Aluminum, 18" Diameter For Aluminum, Add	1,498.81 641.78	245.76
			For Stainless Steel, Add	738.02	
14 91 82 00-0014	FLR		18" Diameter Trash Chutes And With Sprinklers Alumimized Steel For Aluminum, Add	820.23 891.96	341.04
			For Stainless Steel, Add	782.49	
14 91 82 00-0015	FLR		24" Diameter Trash Chutes And With Sprinklers Alumimized Steel For Aluminum, Add	738.02 891.96	341.04
			For Stainless Steel, Add	782.49	
14 91 82 00-0016	FLR		30" Diameter Trash Chutes And With Sprinklers Alumimized Steel For Aluminum, Add	820.23 891.96	341.04
			For Stainless Steel, Add	782.49	
14 91 82 00-0017	FLR		36" Diameter Trash Chutes And With Sprinklers Alumimized Steel For Aluminum, Add	891.96 891.96	365.40
			For Stainless Steel, Add	782.49	
14 91 82 00-0018	EA		Refuse Bottom Hopper, 36" Alumimized Steel, With Sprinklers For Aluminum, Add	782.49 891.96	341.04
			For Stainless Steel, Add	782.49	

14 92 Pneumatic Tube Systems ^(14 90)**14 92 00 00-0001 Pneumatic Message Tube Station** ^(14 92)



Conveying Equipment	14	14
Other Conveying Equipment	14 90	
Pneumatic Tube Systems	14 92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Twin tube, two or more stations, conventional		
14 92 00 00-0002 LF 2-1/2" Tube With Bracketing	42.63	12.48
14 92 00 00-0003 LF 3" Tube With Bracketing	51.25	16.81
14 92 00 00-0004 LF 4" Tube With Bracketing	57.37	15.37
14 92 00 00-0005 LF 6" Tube With Bracketing	71.04	19.21
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	73.92	20.65
14 92 00 00-0007 EA Blower Assembly	7,552.70	384.17
14 92 00 00-0008 EA Receiving Station, Round Or Oval.....	669.13	102.28
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier	1,406.60	144.07
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,005.91	129.66
14 92 00 00-0011 EA 2-Way Diverter Station.....	1,735.89	144.07
14 92 00 00-0012 EA 3-Way Diverter Station.....	2,209.73	168.08
14 92 00 00-0013 EA 4-Way Diverter Station.....	2,649.49	192.09

END OF SECTION 14

14

14 Conveying Equipment

14 90 Other Conveying Equipment

14 92 Pneumatic Tube Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 00-0001			Relocate Sprinkler Head And Branch Piping ^(21 01 10)		
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.					
21 01 10 00-0002	EA		Relocate Existing Sprinkler Head And Branch Piping.....	60.01	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.					
21 01 10 00-0003			Sprinkler Upgrades ^(21 01 10)		
21 01 10 00-0004	LF		Bleed Existing Lines Of Water	0.54	
21 01 10 00-0005	LF		Refill Existing Lines With Water	0.63	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 00-0001			Inspection And Recharge ^(21 01 30)		
21 01 30 00-0002	EA		Inspection, CO2, Carbon Dioxide	214.98	
21 01 30 00-0003	LB		Refill/Recharge, CO2, Carbon Dioxide	1.45	
21 01 30 00-0004	EA		Inspection, Halon 1301	214.98	
21 01 30 00-0005	LB		Refill/Recharge, Halon 1301	34.80	
21 01 30 00-0006	EA		Inspection, WC, Wet Chemical	129.98	
21 01 30 00-0007	GAL		Refill/Recharge, WC, Wet Chemical	32.63	
21 01 30 00-0008	EA		Inspection, DC, Dry Chemical.....	129.98	
21 01 30 00-0009	LB		Refill/Recharge, DC, Dry Chemical.....	2.90	
21 01 30 00-0010	EA		Hydrostatic Testing, All Sizes, All Agents	39.99	
See CSI section 23 05 93 00-0046 for testing existing piping systems.					
21 01 30 00-0011	EA		Disarm/Arm System.....	70.00	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001			Fire Service Meter Cast Iron Housing ^(21 05 19)		
21 05 19 00-0002	EA		3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	3,246.45	463.21
For >10 To 25, Deduct				-162.32	
For >25, Deduct				-415.64	
21 05 19 00-0003	EA		4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	6,193.69	642.21
For >10 To 25, Deduct				-309.68	
For >25, Deduct				-830.11	
21 05 19 00-0004	EA		6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	8,451.60	918.69
For >10 To 25, Deduct				-422.58	
For >25, Deduct				-1,126.21	
21 05 19 00-0005	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	10,703.18	1,206.26
For >10 To 25, Deduct				-535.16	
For >25, Deduct				-1,453.83	
21 05 19 00-0006	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	14,785.87	1,420.49
For >10 To 25, Deduct				-739.29	
For >25, Deduct				-2,039.35	

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping ^(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment ^(21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 48 Vibration And Seismic Controls For Fire-Suppression Piping And Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 23 05 48 00-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾**21 07 19 Fire-Suppression Piping Insulation** ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0285 for copper pipe, 22 11 16 00-0654 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)**21 11 19 Fire-Department Connections** ^(21 11)**21 11 19 00-0001 Fire Department Connections** ^(21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	657.76	304.91
		<i>For Polished Chrome, Add</i>	24.48	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	877.45	381.14
		<i>For Polished Chrome, Add</i>	37.47	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	841.81	304.91
		<i>For Polished Chrome, Add</i>	47.47	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	1,093.28	381.14
		<i>For Polished Chrome, Add</i>	64.45	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	1,146.04	381.14
		<i>For Polished Chrome, Add</i>	71.05	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,049.26	403.38
		<i>For Polished Chrome, Add</i>	54.79	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	713.42	304.91
		<i>For Polished Chrome, Add</i>	31.44	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 12 16 00-0155 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve	655.10	283.90
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Note: The wall flange is tapped for a 4" diameter schedule 40 steel pipe which extends through wall.

21 12 Fire-Suppression Standpipes ^(21 10)**21 12 13 Fire-Suppression Hoses And Nozzles** ^(21 12)**21 12 13 00-0001 Fire Hose** ^(21 12 13)**21 12 13 00-0002 Fire Hose Without Couplings** ^(21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.56	2.00
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.98	2.00
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.71	2.00
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.17	2.00
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.86	2.00
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.53	2.00
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.95	2.00
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.72	2.00

21 12 13 00-0011 Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.68	1.10
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	4.42	1.30
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	6.47	1.30

21 12 13 00-0015 Fire Hose Accessories ^(21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	78.79	32.99
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	105.30	36.99
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	57.83	26.00
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	93.26	26.00
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	77.33	26.00
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	102.80	26.00
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	216.44	109.99
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	262.08	109.99

21 12 23 Fire-Suppression Hose Valves ^(21 12)**21 12 23 00-0001 Standpipe Valves** ^(21 12 23)

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	467.84	201.70
		<i>For Polished Chrome, Add</i>	24.36	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	660.07	201.60
		<i>For Polished Chrome, Add</i>	53.19	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Standpipes	21 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0004 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	819.60 73.37	218.08
21 12 23 00-0005 EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	937.08 94.74	201.60
21 12 23 00-0006 EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	1,086.57 113.41	218.08
21 12 23 00-0007 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	630.63 48.78	201.60
21 12 23 00-0008 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	865.77 80.29	218.08
21 12 23 00-0009 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	1,054.70 88.72	208.14
21 12 23 00-0010 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	1,459.43 133.08	231.24
21 12 23 00-0011 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	1,120.94 96.67	208.14
21 12 23 00-0012 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	1,559.24 145.06	231.24
21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	2,160.94 174.05	277.45
21 12 23 00-0014 Fire Hose Cabinet Angle Valves <small>(21 12 23)</small>		
21 12 23 00-0015 EA 1-1/2" Fire Hose Angle Valve, Cast Brass.....	143.67	
21 12 23 00-0016 EA 2-1/2" Fire Hose Angle Valve, Cast Brass.....	242.08	44.99
21 12 29 Fire-Suppression Fire Hose Equipment <small>(21 12)</small>		
21 12 29 00-0001 Standpipe And Fire Hose Equipment <small>(21 12 29)</small>		
21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	1,231.09	499.98
21 12 29 00-0003 EA Water Motor Gong.....	407.14	143.32
21 12 29 00-0004 EA Fire Riser Flow Switch (NFPA 13).....	227.84	16.68
21 12 29 00-0005 EA Water Flow Supervisory (Tamper) Switch Mounted On Valve.....	149.89	28.52
21 12 29 00-0006 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	267.63	87.77
21 12 29 00-0007 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	382.99	116.29
21 12 29 00-0008 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	552.60	131.65
21 12 29 00-0009 EA Vane-Type Water Flow Switch For Up To 2-1/2" Pipe.....	317.47	87.77
21 12 29 00-0010 EA Vane-Type Water Flow Switch For >2-1/2" To 4" Pipe.....	444.04	116.29
21 12 29 00-0011 EA Vane-Type Water Flow Switch For >4" To 8" Pipe.....	649.37	131.65
21 12 29 00-0012 EA Lever Type Bleeder Valve; Potter BVL.....	110.93	28.52
21 13 Fire-Suppression Sprinkler Systems <small>(21 10)</small>		
21 13 13 Wet-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 13 00-0001 Complete Sprinkler System Costs <small>(21 13 13)</small>		
Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 13 00-0002 Light Hazard, Prices Per Head <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003 EA Exposed Piping, Wet Automatic Sprinkler System, Light Hazard.....	349.17	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
<i>For Copper Pipe, Add</i>	39.55	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-57.01	
<i>For Up To 5, Add</i>	165.32	
<i>For >5 To 10, Add</i>	108.30	
<i>For >10 To 20, Add</i>	73.39	
<i>For >20 To 40, Add</i>	30.28	
<i>For >100 To 150, Deduct</i>	-34.92	
<i>For >150, Deduct</i>	-69.83	
21 13 13 00-0004 EA Concealed Piping, Wet Automatic Sprinkler System, Light Hazard.....	477.94	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
<i>For Copper Pipe, Add</i>	52.81	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-76.71	
<i>For Up To 5, Add</i>	228.94	
<i>For >5 To 10, Add</i>	152.24	
<i>For >10 To 20, Add</i>	104.44	
<i>For >20 To 40, Add</i>	42.78	
<i>For >100 To 150, Deduct</i>	-47.79	
<i>For >150, Deduct</i>	-95.59	
21 13 13 00-0005 Ordinary Hazard, Prices Per Head <small>(21 13 13 00-0001)</small>		

21	Fire Suppression
21 10	Water-Based Fire-Suppression Systems
21 13	Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA		Exposed Piping, Wet Automatic Sprinkler System, Ordinary Hazard.....	346.94	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	39.37	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-56.72	
			For Up To 5, Add	164.11	
			For >5 To 10, Add	107.39	
			For >10 To 20, Add	72.70	
			For >20 To 40, Add	30.02	
			For >100 To 150, Deduct	-34.69	
			For >150, Deduct	-69.39	
21 13 13 00-0007	EA		Concealed Piping, Wet Automatic Sprinkler System, Ordinary Hazard.....	473.01	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	52.32	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-75.97	
			For Up To 5, Add	226.47	
			For >5 To 10, Add	150.50	
			For >10 To 20, Add	103.20	
			For >20 To 40, Add	42.28	
			For >100 To 150, Deduct	-47.30	
			For >150, Deduct	-94.60	
21 13 13 00-0008			Extra Hazard, Prices Per Head (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Wet Automatic Sprinkler System, Extra Hazard.....	321.68	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	36.45	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-52.54	
			For Up To 5, Add	152.27	
			For >5 To 10, Add	99.73	
			For >10 To 20, Add	67.57	
			For >20 To 40, Add	27.88	
			For >100 To 150, Deduct	-32.17	
			For >150, Deduct	-64.34	
21 13 13 00-0010	EA		Concealed Piping, Wet Automatic Sprinkler System, Extra Hazard.....	439.22	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	48.52	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-70.49	
			For Up To 5, Add	210.41	
			For >5 To 10, Add	139.92	
			For >10 To 20, Add	96.00	
			For >20 To 40, Add	39.32	
			For >100 To 150, Deduct	-43.92	
			For >150, Deduct	-87.84	
21 13 13 00-0011			Wet-Pipe Sprinkler Components (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0013	EA		Pendant Brass Sprinkler Heads, Standard Response	61.01	25.00
			For Chrome, Add	1.65	
21 13 13 00-0014	EA		Upright Brass Sprinkler Heads.....	52.60	25.00
			For Chrome, Add	1.14	
21 13 13 00-0015	EA		Sidewall, Vertical, Brass Sprinkler Heads	54.33	25.00
			For Chrome, Add	1.40	
21 13 13 00-0016	EA		Sidewall, Horizontal, Brass Sprinkler Heads.....	52.53	25.00
			For Chrome, Add	1.13	
21 13 13 00-0017	EA		Nipple, Adjustable, Fire Sprinkler System.....	82.29	8.95
21 13 13 00-0018	EA		Standard Duty Sprinkler Head Guard, 1 Piece	18.49	8.95
21 13 13 00-0019	EA		Heavy Duty Sprinkler Head Guard, 2 Piece	29.04	8.95
21 13 13 00-0020	EA		Institutional Tamper Resistant Pendant Sprinkler (Tyco TFP PH2)	163.78	
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
21 13 13 00-0021	EA		Institutional Tamper Resistant Horizontal Sidewall Sprinkler (Tyco TFP PH5)	163.78	
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
21 13 13 00-0022	EA		Institutional Tamper Resistant Pendant Sprinkler, Quick Response (Tyco Raven).....	84.80	
21 13 13 00-0023	EA		Institutional Tamper Resistant Horizontal Sidewall Sprinkler, Quick Response (Tyco Raven)	91.66	
21 13 13 00-0024			Wet Pipe Alarm Valves (21 13 13 00-0011)		
21 13 13 00-0025	EA		2" Alarm Valve - Wet System.....	1,538.14	746.25
21 13 13 00-0026	EA		3" Alarm Valve - Wet System.....	2,074.19	1,018.68
21 13 13 00-0027	EA		4" Alarm Valve - Wet System.....	3,188.23	1,426.16
21 13 13 00-0028	EA		6" Alarm Valve - Wet System.....	3,672.68	1,685.06
21 13 13 00-0029	EA		8" Alarm Valve - Wet System.....	4,983.09	1,853.57
21 13 13 00-0030			Flexible Sprinkler Piping (21 13 13 00-0011)		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0031	EA		2' Long Stainless Steel Flexible Sprinkler Piping	57.89	15.50
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0032	EA		3' Long Stainless Steel Flexible Sprinkler Piping	63.59	16.00
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0033	EA		4' Long Stainless Steel Flexible Sprinkler Piping	69.46	17.00
			Note: Includes ceiling mounting bracket.		



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034 EA 5' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	75.56	17.99
21 13 13 00-0035 EA 6' Long Stainless Steel Flexible Sprinkler Piping..... Note: Includes ceiling mounting bracket.	81.91	20.00
21 13 16 Dry-Pipe Sprinkler Systems (21 13)		
21 13 16 00-0001 Complete Sprinkler System Costs (21 13 16)		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002 Light Hazard, Prices Per Head (21 13 16 00-0001)		
21 13 16 00-0003 EA Exposed Piping, Dry Automatic Sprinkler System, Light Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	379.79	
For Up To 5, Add	179.99	
For >5 To 10, Add	108.17	
For >10 To 20, Add	80.09	
For >20 To 40, Add	33.03	
For >100 To 150, Deduct	-37.98	
For >150, Deduct	-75.96	
For Copper Pipe, Add	42.93	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-61.92	
21 13 16 00-0004 EA Concealed Piping, Dry Automatic Sprinkler System, Light Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	488.75	
For Up To 5, Add	233.59	
For >5 To 10, Add	144.09	
For >10 To 20, Add	106.00	
For >20 To 40, Add	43.48	
For >100 To 150, Deduct	-48.88	
For >150, Deduct	-97.75	
For Copper Pipe, Add	54.27	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.71	
21 13 16 00-0005 Ordinary Hazard, Prices Per Head (21 13 16 00-0001)		
21 13 16 00-0006 EA Exposed Piping, Dry Automatic Sprinkler System, Ordinary Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	382.09	
For Up To 5, Add	180.56	
For >5 To 10, Add	107.53	
For >10 To 20, Add	79.80	
For >20 To 40, Add	32.97	
For >100 To 150, Deduct	-38.21	
For >150, Deduct	-76.42	
For Copper Pipe, Add	43.45	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-62.55	
21 13 16 00-0007 EA Concealed Piping, Dry Automatic Sprinkler System, Ordinary Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	488.95	
For Up To 5, Add	233.21	
For >5 To 10, Add	142.96	
For >10 To 20, Add	105.34	
For >20 To 40, Add	43.26	
For >100 To 150, Deduct	-48.90	
For >150, Deduct	-97.79	
For Copper Pipe, Add	54.53	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.98	
21 13 16 00-0008 Extra Hazard, Prices Per Head (21 13 16 00-0001)		
21 13 16 00-0009 EA Exposed Piping, Dry Automatic Sprinkler System, Extra Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads.	357.69	
For Up To 5, Add	168.91	
For >5 To 10, Add	100.36	
For >10 To 20, Add	74.52	
For >20 To 40, Add	30.80	
For >100 To 150, Deduct	-35.77	
For >150, Deduct	-71.54	
For Copper Pipe, Add	40.74	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-58.62	
21 13 16 00-0010 EA Concealed Piping, Dry Automatic Sprinkler System, Extra Hazard..... Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	455.25	
For Up To 5, Add	217.15	
For >5 To 10, Add	133.14	
For >10 To 20, Add	98.10	
For >20 To 40, Add	40.29	
For >100 To 150, Deduct	-45.53	
For >150, Deduct	-91.05	
For Copper Pipe, Add	50.76	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-73.53	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0011 Equipment <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,436.06	290.70
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,487.09	290.70
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,530.14	290.70
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	1,697.57	290.70
21 13 16 00-0016 Dry-Pipe Sprinkler Components <small>(21 13 16)</small>		
Note: Excludes hydraulic calculations.		
21 13 16 00-0017 Dry Pipe Alarm Valves <small>(21 13 16 00-0016)</small>		
21 13 16 00-0018 EA 2" Alarm Valve - Dry System.....	1,573.56	746.25
21 13 16 00-0019 EA 3" Alarm Valve - Dry System.....	2,118.76	1,018.68
21 13 16 00-0020 EA 4" Alarm Valve - Dry System.....	3,708.80	1,426.16
21 13 16 00-0021 EA 6" Alarm Valve - Dry System.....	4,614.19	1,685.06
21 13 16 00-0022 EA 8" Alarm Valve - Dry System.....	5,612.13	1,853.57
21 13 16 00-0023 Dry Sprinkler Heads, 3/4" Or 1" NPT <small>(21 13 16 00-0016)</small>		
21 13 16 00-0024 EA Dry Pendant Head, Up To 4-3/4" Length	101.01	32.90
21 13 16 00-0025 EA Dry Pendant Head, >4-3/4" To 6-3/4" Length	101.01	32.90
21 13 16 00-0026 EA Dry Pendant Head, >6-3/4" To 8-3/4" Length	102.50	32.90
21 13 16 00-0027 EA Dry Pendant Head, >8-3/4" To 10-3/4" Length	104.74	32.90
21 13 16 00-0028 EA Dry Pendant Head, >10-3/4" To 12-3/4" Length	104.74	32.90
21 13 16 00-0029 EA Dry Pendant Head, >12-3/4" To 14-3/4" Length	109.96	32.90
21 13 16 00-0030 EA Dry Pendant Head, >14-3/4" To 16-3/4" Length	109.96	32.90
21 13 16 00-0031 EA Dry Pendant Head, >16-3/4" To 18-3/4" Length	115.18	32.90
21 13 16 00-0032 EA Dry Pendant Head, >18-3/4" To 20-3/4" Length	115.18	32.90
21 13 16 00-0033 EA Dry Pendant Head, >20-3/4" To 22-3/4" Length	116.67	32.90
21 13 16 00-0034 EA Dry Pendant Head, >22-3/4" To 24-3/4" Length	116.67	32.90
21 13 16 00-0035 EA Dry Pendant Head, >24-3/4" To 26-3/4" Length	118.16	32.90
21 13 16 00-0036 EA Dry Pendant Head, >26-3/4" To 28-3/4" Length	121.14	32.90
21 13 19 Preaction Sprinkler Systems <small>(21 13)</small>		
21 13 19 00-0001 Complete Sprinkler System Costs <small>(21 13 19)</small>		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002 Ordinary Hazard, Prices Per Head <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003 EA Exposed Piping Warehouse, Pre-Action Sprinkler System, Ordinary Hazard.....	367.47	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	174.72	
For >5 To 10, Add	115.08	
For >10 To 20, Add	78.34	
For >20 To 40, Add	32.24	
For >100 To 150, Deduct	-36.75	
For >150, Deduct	-73.49	
21 13 19 00-0004 Extra Hazard, Prices Per Head <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005 EA Exposed Piping Warehouse, Pre-Action Sprinkler System, Extra Hazard	342.24	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	162.73	
For >5 To 10, Add	107.20	
For >10 To 20, Add	72.98	
For >20 To 40, Add	30.03	
For >100 To 150, Deduct	-34.22	
For >150, Deduct	-68.45	
21 13 26 Deluge Fire-Suppression Sprinkler Systems <small>(21 13)</small>		
21 13 26 00-0001 Deluge Sprinkler Equipment <small>(21 13 26)</small>		
See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002 Nozzles <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003 EA 3/8" Auto Deluge Sprinkler Nozzle.....	91.60	42.90
21 13 26 00-0004 EA 1/2" Pendant Deluge Spring Nozzle With Open Head	91.60	42.90
21 13 26 00-0005 EA 1/2" Pendant Deluge Spring Nozzle Open Head With Canopy.....	91.60	42.90
21 13 26 00-0006 Deluge Valves With Required Trim And Release Equipment <small>(21 13 26 00-0001)</small>		
21 13 26 00-0007 EA 3" Deluge Valve With Trim And Release Equipment	4,205.78	555.55
21 13 26 00-0008 EA 4" Deluge Valve With Trim And Release Equipment	4,812.75	624.94
21 13 26 00-0009 EA 6" Deluge Valve With Trim And Release Equipment	6,076.79	909.01



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 Foam-Water Systems (21 13)		
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002 Control Valves (21 13 39 00-0001)		
21 13 39 00-0003 EA 3" Foam Control Valve.....	2,233.88	555.55
21 13 39 00-0004 Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve.....	2,123.22	624.94
21 13 39 00-0006 Proportioners (21 13 39 00-0001)		
21 13 39 00-0007 EA 8" Foam Proportioner.....	2,097.20	909.01
21 13 39 00-0008 Monitors (21 13 39 00-0001)		
21 13 39 00-0009 EA Oscillating Foam Monitor.....	1,922.39	124.99
21 13 41 Fire-Suppression Sprinkler Piping (21 13)		
See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
Note: SDR 13.5		
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	4.75	1.60
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	5.44	1.70
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	6.51	1.90
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	7.70	2.10
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	9.47	2.30
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	12.31	2.60
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	16.51	3.10
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	24.98	9.60
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	32.21	12.00
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	40.28	15.00
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	45.38	16.60
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	51.13	18.60
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	61.88	21.10
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	74.75	25.00
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	25.32	9.60
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	31.66	12.00
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	39.87	15.00
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	44.72	16.60
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	50.30	18.60
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	59.79	21.10
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	72.45	25.00
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	37.32	14.39
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	47.80	18.10
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	60.33	22.60
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	68.17	25.00
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	78.15	27.80
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	93.10	31.69
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	110.01	37.40
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	44.31	16.90
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	56.67	21.10
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	63.14	23.30
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	72.87	26.00
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	84.71	29.60
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	99.88	34.89

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	50.09	19.20
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	62.80	24.10
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	78.82	30.09
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	88.13	33.29
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	100.93	37.10
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	123.33	42.19
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	16.94	6.40
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	22.71	8.60
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	29.97	11.30
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	33.74	12.50
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	38.23	13.90
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	44.86	15.80
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	53.65	18.70
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.56	3.20
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	13.69	5.20
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	15.39	5.60
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	17.38	6.20
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	20.08	7.00
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	23.67	7.90
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	29.67	9.39
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	24.43	9.50
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.18	12.40
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.59	13.70
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	40.17	15.30
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	46.82	17.40
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	56.37	20.60
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	20.03	7.00
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	26.28	9.50
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	20.03	7.00
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.28	9.50
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	23.87	8.60
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.27	10.80
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.97	10.80
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	39.44	14.39
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	48.91	18.10
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	62.59	22.60
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	70.57	25.00
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	81.07	27.80



Fire Suppression		21
Water-Based Fire-Suppression Systems		21 10
Fire-Suppression Sprinkler Systems		21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 20 Fire-Extinguishing Systems ⁽²¹⁾

21 21 Carbon-Dioxide Fire-Extinguishing Systems ^(21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment ^(21 21)

21 21 16 00-0001 Carbon Dioxide Cylinders ^(21 21 16)

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	957.20	219.15
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	1,914.41	438.31
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	207.80	106.44
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	87.02	40.05
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	28.27	16.24

21 22 Clean-Agent Fire-Extinguishing Systems ^(21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment ^(21 22)

21 22 16 00-0001 Ansul Fire Control Systems ^(21 22 16)

21 22 16 00-0002 Sapphire® Fire Suppression Systems ^(21 22 16 00-0001)

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,226.90	74.72
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,394.88	74.72
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,416.97	74.72
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,008.88	99.61
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,119.93	99.61
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,272.91	124.52
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,408.31	124.52
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,617.98	149.42
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.				
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230).....	30.00	149.42
Note: Add to empty tank cost.				

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	119.48	12.45
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	122.34	12.45
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	129.51	12.45
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	134.53	12.45
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	141.69	12.45
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	163.17	12.45
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	119.48	12.45
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	122.34	12.45
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	129.51	12.45
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	134.53	12.45
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	141.69	12.45
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	163.17	12.45

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System ^(21 22 16 00-0002)

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	11.89	3.74
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	13.12	3.74
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	19.44	8.72
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	41.77	11.16
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	59.56	11.16
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	70.90	11.16
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	37.68	11.16
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	271.59	99.61
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	252.58	74.72
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	538.10	99.61

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	42.10	12.45
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	45.34	12.45

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	129.17	37.35
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	135.62	37.35
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	143.86	37.35
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	316.44	39.65
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	448.15	68.04
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	106.41	24.91
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	370.05	24.91
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	313.45	24.91
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,365.55	99.61
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	39.67	17.43
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	66.46	17.43
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	175.36	12.45
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	228.27	12.45
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	147.25	49.81
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	135.69	20.92
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	427.22	87.16
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	463.28	17.43
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	484.78	17.43
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	521.92	24.91
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	41.34	14.94
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	51.27	17.43
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	178.22	74.72
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	202.79	74.72
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	223.21	74.72
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	289.12	74.72
21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	50.16	19.92
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	73.98	12.45
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	103.19	24.91
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	286.64	99.61
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	412.00	99.61
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,291.03	99.61
21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	144.66	24.68
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	167.37	26.52
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	299.53	48.02
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	607.79	109.35
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,440.69	173.00
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	43.07	7.57
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	503.21	81.08
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,567.02	253.71
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,500.58	258.48
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,315.49	232.20



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,492.19	263.07
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,120.06	340.92
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,137.05	416.59
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,552.45	293.33
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,180.76	371.28
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,278.40	447.66
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	49.55	8.44
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	49.55	8.44
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	59.42	9.38
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	944.28	161.12
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)	15.80	2.47
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)	22.43	3.52
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	17.43	2.76
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	16.20	2.76
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	70.36	11.89
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	73.86	12.45
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	85.73	14.39
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	95.68	16.24
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	109.74	18.67
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	107.86	18.41
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	111.84	18.94
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	103.17	17.53
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	106.11	18.94
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	122.64	20.84
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	131.08	22.19
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	141.17	23.82
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	243.13	41.68
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	321.44	54.67
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	350.52	60.08
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	125.66	21.64
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	148.17	25.34
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	121.91	20.84
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	130.16	22.09
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	131.31	22.19
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	158.52	26.95
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	170.92	29.23
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	262.37	44.85
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	306.42	52.51
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	335.74	57.38
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	141.17	23.82
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	173.28	29.66
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	186.39	31.94
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	262.37	44.85
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	286.74	49.15
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	336.89	57.38
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	391.75	67.28
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	463.24	79.58
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	599.20	103.28
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	798.71	137.49
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	911.02	156.76
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	577.42	99.22
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	637.67	109.64
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	911.02	156.76
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	595.23	102.31
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	662.75	113.94
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	915.12	167.41
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		

21	21	Fire Suppression
	21 20	Fire-Extinguishing Systems
	21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	666.04	119.63
21 22 16 00-0158		Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,088.24	185.59
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,541.67	247.31
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,629.79	251.57
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	76.69	12.79
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	92.39	16.94
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	871.96	132.40
21 22 16 00-0165		Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	94.52	12.57
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	99.09	13.24
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	103.85	13.46
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	111.19	13.91
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	116.06	15.26
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	117.12	16.50
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	260.48	44.21
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	262.82	44.66
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	336.89	57.23
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	122.64	20.84
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	176.56	47.64
		Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179	EA	2 1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	309.19	30.81
		Note: Includes gasket and fasteners.		
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	268.93	45.99
		Note: Includes gasket and fasteners.		
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	305.29	52.33
		Note: Includes gasket and fasteners.		
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	168.58	28.77
		Note: Includes gasket and fasteners.		
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	197.89	33.56
		Note: Includes gasket and fasteners.		
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	299.86	51.43
		Note: Includes gasket and fasteners.		
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	175.60	30.13
		Note: Includes gasket and fasteners.		
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	205.64	35.11
		Note: Includes gasket and fasteners.		
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	327.28	56.18
		Note: Includes gasket and fasteners.		
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	32.79	2.28
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	33.25	2.51
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	35.93	2.98
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	21.50	3.66
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	175.82	27.83
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	134.28	27.83
		Note: Includes upright, left, right and center.		
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)		



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495).....	138.75	24.01
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	157.73	27.38
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	200.61	34.79
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	216.09	37.48
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	270.67	47.12
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	288.02	50.05
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	552.32	96.50
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490).....	44.21	7.18
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	120.23	20.87
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	176.25	30.52
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	16.08	2.78
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,385.98	242.14
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,161.82	202.87
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	901.93	157.53
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	785.48	137.12
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	785.48	137.12
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	629.19	109.74
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,161.82	202.87
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	236.22	41.07
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	296.20	51.62
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	594.03	103.68
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	100.31	17.39
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	136.59	24.01
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	236.23	41.07
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	184.29	33.44
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	11.50	2.29
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	74.40	2.78
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	12.57	2.78
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	409.94	74.95
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	245.62	44.66
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0196)		
21 22 16 00-0232 EA 7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	179.11	28.72
21 22 16 00-0233 EA 12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	374.92	60.82
21 22 16 00-0234 EA 18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	423.23	68.90
21 22 16 00-0235 EA 25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	550.33	83.93
21 22 16 00-0236 EA 55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	892.02	145.64
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	134.08	23.11
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	239.73	41.74
Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	487.65	85.06
Note: For mounting in BB-55 battery box.		
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,417.91	247.75
Note: For mounting in BB-55 battery box.		
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,036.91	181.10

21	21 Fire Suppression
	21 20 Fire-Extinguishing Systems
	21 22 Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	109.30	19.18
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	102.63	19.07
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	139.82	27.38
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	205.29	35.68
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	160.17	28.95
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	150.75	27.83
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	24.02	4.44
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	88.31	15.70
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	88.12	15.26
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	34.63	12.57
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	8.10	1.39
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	84.83	14.70
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	49.71	8.67
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	134.33	22.89
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	70.31	12.11
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	20.13	3.26
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	12.39	1.80
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	176.25	30.52
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	528.19	87.75
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,012.55	176.84
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	26.94	4.57
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	136.15	21.55
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	381.91	62.38
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	759.87	125.67
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	759.87	125.67
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,141.57	188.51
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,141.57	188.51
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,652.08	240.12
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	24.50	4.04
21 22 16 00-0277 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	36.03	4.04
21 22 16 00-0278 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	53.09	7.63
21 22 16 00-0279 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	81.20	8.53
21 22 16 00-0280 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	104.91	17.05
21 22 16 00-0281 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	189.89	21.55



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,785.47	1,054.75
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	7,362.11	1,301.60
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	6,662.52	1,189.39
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	9,227.43	1,570.90
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	9,717.92	1,660.66
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	9,331.24	1,593.34
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	9,855.10	1,683.10
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	10,145.22	1,750.43
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	10,591.54	1,840.19
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	11,130.77	1,929.95
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	11,609.32	2,019.72
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	10,884.80	1,840.19
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,727.08	246.85
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,734.97	246.85
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,564.47	224.41
Note: Includes a remote termination card without relays.		
21 22 16 00-0299 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,573.63	224.41
Note: Includes a remote termination card.		
21 22 16 00-0300 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	1,941.50	269.29
Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,651.92	233.39
21 22 16 00-0302 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,811.22	262.12
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	4,396.64	740.56
21 22 16 00-0305 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,613.15	592.45
21 22 16 00-0306 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,284.17	224.41
21 22 16 00-0307 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	917.46	145.87
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,275.27	196.58
21 22 16 00-0309 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,548.15	242.37
Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	240.22	36.36
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,597.98	224.41
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,153.03	186.26
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	904.37	143.62
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,154.75	186.26
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,153.03	186.26
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,136.01	175.04
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	134.50	15.70
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	5,495.99	861.75
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	9,579.70	1,508.06
21 22 16 00-0320 EA Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473).....	135.92	67.32
21 22 16 00-0321 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	746.06	112.20
21 22 16 00-0322 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	16.84	2.24
21 22 16 00-0323 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	9.13	0.45
21 22 16 00-0324 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	412.47	65.08
21 22 16 00-0325 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	499.79	78.99
21 22 16 00-0326 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	721.66	114.45
21 22 16 00-0327 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	106.41	17.05
21 22 16 00-0328 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	17.04	3.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0329			Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0330	EA		Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	15.23	2.69
21 22 16 00-0331	EA		Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	16.13	3.14
21 22 16 00-0332	EA		Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	24.50	4.04
21 22 16 00-0333	EA		Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	24.53	4.04
21 22 16 00-0334	EA		Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	89.21	15.26
21 22 16 00-0335			Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0336	EA		Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	217.86	32.31
21 22 16 00-0337	EA		Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	293.34	43.09
21 22 16 00-0338	EA		Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	301.50	47.12
21 22 16 00-0339	EA		Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	711.80	67.32
21 22 16 00-0340	EA		Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,069.94	148.11
21 22 16 00-0341			Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0342	LF		3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	108.89	53.41
21 22 16 00-0343	EA		3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	12.66	5.83
21 22 16 00-0344	EA		3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494).....	17.11	8.12
21 22 16 00-0345	EA		3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493).....	17.76	8.12
21 22 16 00-0346	EA		3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495).....	17.71	8.12
21 22 16 00-0347	EA		3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496).....	23.25	9.65
21 22 16 00-0348	EA		3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498).....	29.09	13.53
21 22 16 00-0349	EA		3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499).....	31.90	13.53
21 22 16 00-0350	LF		1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	4.44	1.63
21 22 16 00-0351	EA		Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	16.93	4.94
21 22 16 00-0352	EA		Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503).....	19.56	3.59
21 22 16 00-0353	EA		Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	27.94	4.94
21 22 16 00-0354			Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0355	EA		VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396).....	1,251.26	172.34
			Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0356	EA		VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,285.91	198.38
21 22 16 00-0357	EA		12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	778.85	121.18
21 22 16 00-0358	EA		RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	889.21	136.89
21 22 16 00-0359	EA		VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397).....	1,251.26	172.34
			Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0360	EA		VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398).....	1,505.51	198.38
			Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0361	EA		Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	429.26	61.04
21 22 16 00-0362	EA		Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	646.37	93.36
21 22 16 00-0363	EA		7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,225.28	193.00
21 22 16 00-0364	EA		12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	1,797.34	282.76
21 22 16 00-0365			Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0366			Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0365)		
21 22 16 00-0367	EA		Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	97.23	15.70
			Note: Excludes FMM-101.		
21 22 16 00-0368	EA		Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	72.70	11.67
21 22 16 00-0369			Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0370			Alarm Devices, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0371	EA		Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	2,369.03	414.04
21 22 16 00-0372	EA		6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	71.01	9.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0373 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	71.49	12.35
21 22 16 00-0374 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	42.60	7.41
21 22 16 00-0375 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	17.40	3.01
21 22 16 00-0376 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0377 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	80.37	13.02
21 22 16 00-0378 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	113.33	18.40
21 22 16 00-0379 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	885.18	144.53
21 22 16 00-0380 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	25.72	4.17
21 22 16 00-0381 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	11.53	1.86
21 22 16 00-0382 Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0383 Alarm Devices, Marine Fire Control System (21 22 16 00-0382)		
21 22 16 00-0384 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	46.60	7.54
21 22 16 00-0385 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	86.20	14.59
21 22 16 00-0386 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	86.20	14.59
21 22 16 00-0387 FM200 System Equipment (21 22 16)		
21 22 16 00-0388 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,327.57	108.26
21 22 16 00-0389 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,318.52	123.95
21 22 16 00-0390 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,938.64	146.15
21 22 16 00-0391 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,208.23	173.22
21 22 16 00-0392 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,109.58	216.52
21 22 16 00-0393 EA Electro/Mechanical Release, For FM200 Fire Protection system.....	586.57	216.52
21 22 16 00-0394 EA Manual Pull Station, For FM200 Fire Protection system.....	201.53	72.00
21 22 16 00-0395 EA Pneumatic Damper Release, For FM200 Fire Protection system.....	217.01	54.13
21 22 16 00-0396 LB FM200 Gas.....	15.60	
21 22 16 00-0397 EA Master Cylinder, For FM200 Fire Protection system.....	3,729.45	58.24
21 22 16 00-0398 EA Shuttle Check Valve, For FM200 Fire Protection system.....	494.95	81.42
21 22 16 00-0399 EA Flex Head Cylinder, For FM200 Fire Protection system.....	498.62	87.26
21 22 16 00-0400 EA Nozzles, For FM200 Fire Protection system.....	132.09	30.86
21 22 16 00-0401 EA Cylinder Support, For FM200 Fire Protection system.....	173.83	58.24
21 22 16 00-0402 EA Solenoid Valve, For FM200 Fire Protection system.....	623.71	87.26
21 22 16 00-0403 EA Battery Back-Up, For FM200 Fire Protection system.....	612.05	230.16
21 22 16 00-0404 EA Control Panel, Single Zone, For FM200 Fire Protection system.....	2,943.77	432.40
21 22 16 00-0405 EA Control Panel, Multi Zone, For FM200 Fire Protection system.....	4,866.22	865.76
21 22 16 00-0406 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	248.63	87.26
21 22 16 00-0407 EA Annunciator, For FM200 Fire Protection system.....	2,370.92	327.71
21 22 16 00-0408 EA Pressure Switch, For FM200 Fire Protection system.....	263.38	87.26
21 22 16 00-0409 EA Alarm Horn, For FM200 Fire Protection system.....	247.20	87.26
21 22 16 00-0410 EA Testing, For FM200 Fire Protection system.....	1,120.14	
21 22 16 00-0411 EA Abort Switch, For FM200 Fire Protection system.....	153.78	40.60
21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)		
21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)		
21 23 16 00-0001 Kidde Fire Systems (21 23 16)		
Note: Kidde or equal.		
21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	551.13	89.66
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	641.26	111.67
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	786.72	137.77
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	929.72	163.47
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	30.57	4.69
21 23 16 00-0008 EA System Valve Actuator.....	111.54	18.63
21 23 16 00-0009 EA Vent Plug.....	21.17	3.78
21 23 16 00-0010 EA Gauge Shield.....	56.07	9.96
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	57.81	9.96
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	61.28	10.56
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket.....	116.33	19.92
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	117.15	22.61
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit.....	159.97	22.66
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	23.39	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	24.42	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle.....	52.01	9.16
21 23 16 00-0020 EA LPF Or DM Nozzle.....	55.80	9.16
21 23 16 00-0021 EA LPR Nozzle.....	63.60	9.16
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	38.66	6.48
21 23 16 00-0023 EA Replacement Nozzle Seals.....	6.12	

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0024	EA		Chrome Nozzle Disc Cap.....	3.76	0.59
21 23 16 00-0025	EA		LPR Nozzle Disc Cap.....	26.49	9.12
21 23 16 00-0026			Control Systems (21 23 16 00-0001)		
21 23 16 00-0027	EA		XV Control System..... Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	647.30	59.76
21 23 16 00-0028	EA		7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	59.17	9.96
21 23 16 00-0029	EA		24" High Pressure Hose.....	68.46	9.96
21 23 16 00-0030	EA		60" High Pressure Hose.....	89.12	9.96
21 23 16 00-0031	EA		XV Solenoid Kit (Electric Actuator), 24 VDC.....	133.83	19.92
21 23 16 00-0032	EA		XV Microswitch Kit, SPDT.....	46.62	9.36
21 23 16 00-0033	EA		XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	49.71	9.36
21 23 16 00-0034	EA		EMT Connector Kit (EMT Connector & O-Ring).....	23.20	7.47
21 23 16 00-0035	EA		KRS-50 Control Box Assembly..... Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	368.45	38.60
21 23 16 00-0036	EA		SPDT Microswitch For KRS-50.....	54.30	9.36
21 23 16 00-0037	EA		DPDT Microswitch For KRS-50.....	97.62	16.24
21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In).....	301.75	52.10
21 23 16 00-0039			Mechanical Actuation Components (21 23 16 00-0001)		
21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems..... Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	42.75	14.94
21 23 16 00-0041	EA		XV Low Profile Link Detector Housing Kit..... Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	56.73	14.94
21 23 16 00-0042	EA		XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	127.33	9.96
21 23 16 00-0043	EA		XV Remote Manual Release, Pull-To-Trip.....	99.45	9.96
21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems.....	15.21	2.69
21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems.....	191.06	16.44
21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems.....	25.36	4.38
21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination.....	52.30	4.98
21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems.....	2.22	1.00
21 23 16 00-0049	EA		Cable Clamp.....	7.20	0.50
21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.22	0.40
21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems.....	1.19	0.40
21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	54.07	9.26
21 23 16 00-0053			Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054	EA		KGS Standard Response Link.....	14.35	4.98
21 23 16 00-0055	EA		KGS Rapid Response Link.....	18.74	4.98
21 23 16 00-0056	EA		KFA Type "A" Fusible Link.....	16.77	4.98
21 23 16 00-0057	EA		KML Type "ML" Fusible Link.....	17.19	4.98
21 23 16 00-0058	EA		500 Degreee, KML Type "ML" Fusible Link.....	23.39	4.98
21 23 16 00-0059			Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	225.50	21.52
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	248.37	26.49
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	288.11	33.47
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	317.81	38.55
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	346.95	45.53
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	566.91	66.54
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	635.62	77.00
21 23 16 00-0067	EA		Pneumatic Release (Single Unit).....	255.98	24.30
21 23 16 00-0068	EA		Replacement Cable Block And Set Screw Assembly For Gas Valve.....	32.68	4.98
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve.....	233.10	20.02
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve.....	236.10	21.52
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve.....	358.16	26.49
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve.....	384.28	33.47
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve.....	441.23	38.55
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve.....	563.51	45.53
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve.....	923.55	66.54
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve.....	1,154.30	77.00
21 23 16 00-0077	EA		Manual Reset Relay.....	385.77	100.11
21 23 16 00-0078			Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079	EA		Compression Seal Adapter - 3/8" Tubing.....	27.29	4.18
21 23 16 00-0080	EA		Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe.....	27.27	4.58
21 23 16 00-0081	EA		Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe.....	32.13	5.48
21 23 16 00-0082	EA		Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe.....	36.66	5.88
21 23 16 00-0083	EA		Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT).....	32.13	5.48
21 23 16 00-0084	EA		Quik-Seal Adapter - 3/8" NPT Female.....	27.27	4.58
21 23 16 00-0085	EA		Quik-Seal Adapter - 1/2" NPT Female.....	27.27	4.58
21 23 16 00-0086	EA		Quik-Seal Adapter - 3/4" NPT Female.....	45.03	7.77
21 23 16 00-0087	EA		Quik-Seal Adapter - 1" NPT Female.....	59.91	10.26
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	27.27	4.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0089 Pressure Operated Releasing Systems <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	195.68	30.08
21 23 16 00-0091 EA KRS-100 Actuator Assembly	178.71	30.68
21 23 16 00-0092 EA KRS-100 Mounting Bracket	125.60	7.57
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder	511.95	86.76
21 23 16 00-0094 EA KRS-700 Mounting Bracket	109.06	18.53
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit	156.60	18.53
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems	150.44	13.15
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems	50.14	8.37
21 23 16 00-0098 EA Replacement Receiver Gasket For KRS-100 Actuator Assembly.....	6.48	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch	410.54	69.73
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems <small>(21 23 16)</small>		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	514.24	70.72
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	740.78	101.90
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	977.57	139.36
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	107.19	16.64
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	705.27	108.78
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	430.60	66.34
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	13.91	2.19
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	13.91	2.19
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	14.20	2.19
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	13.91	2.19
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	13.91	2.19
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	14.96	2.19
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	24.09	3.69
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	31.30	4.88
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	54.86	25.21
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	309.17	56.08
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	236.43	21.52
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	271.03	26.49
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	296.74	33.47
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	327.84	38.45
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	378.16	45.43
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	846.94	66.44
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	908.94	76.91
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	189.51	21.52
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	314.42	26.49
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	333.09	33.47
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	379.43	38.45
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	518.88	45.43
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	985.30	66.44
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,044.97	76.91
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	49.59	7.37
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	69.46	9.36
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	245.30	9.36
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	18.42	2.89
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	603.42	93.54
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	769.25	119.64
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	394.51	61.26
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	475.97	73.81
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	435.24	67.54
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	454.43	70.62
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	591.76	91.85

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	679.04	105.59
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	55.16	8.57
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	13.19	1.40
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	13.81	1.79
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	44.21	6.88
21 23 16 00-0155 EA Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.62	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	48.06	7.47
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	96.25	14.84
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	203.67	31.48
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.07	0.30
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.74	0.30
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.38	0.40
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.50	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	45.74	7.17
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	47.72	7.47
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.58	0.89
21 23 16 00-0169 EA 225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	65.21	9.76
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	9.20	1.40
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	12.81	1.99
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.58	0.89
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	7.88	1.20
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	7.70	1.20
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.19	0.30
21 23 16 00-0176 EA Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.73	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	71.33	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	477.02	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	623.58	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	722.44	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	22.34	3.39
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	23.16	3.59
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	44.57	6.88
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	63.09	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	135.58	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	90.18	14.05
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	100.46	19.73
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	24.09	3.69
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.86	1.30
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,459.98	219.15
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,502.39	219.15
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	470.63	49.81
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	442.92	49.81
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	364.26	77.30
21 24 16 00-0003 EA Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	497.82	97.51
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon)	118.22	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon)	207.83	
21 24 16 00-0006 EA Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	82.75	16.23
21 24 16 00-0007 EA Bracket Assembly Agent Cylinder 6 Gallon	48.20	9.42
21 24 16 00-0008 EA Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	20.91	
21 24 16 00-0009 EA Pneumatic Actuator - Agent Cylinder 6 Gallon	82.75	16.23
21 24 16 00-0010 EA Actuator - MRM (Less N2 Cylinder And Enclosure)	207.83	40.70



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Dry-Chemical Fire-Extinguishing Systems	21 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0011	EA		Enclosure - MRM, Painted Steel.....	110.76	21.65
21 24 16 00-0012	EA		Enclosure - MRM, Stainless Steel.....	130.45	21.65
21 24 16 00-0013	EA		Cabinet, Stainless Steel (Single Cylinder System).....	329.81	64.62
21 24 16 00-0014	EA		Actuation Hose - (N2 - 1/4" x 16").....	24.89	4.87
21 24 16 00-0015	EA		Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders).....	110.77	21.65
21 24 16 00-0016	EA		Vent Check.....	19.92	3.90
21 24 16 00-0017	EA		Detector.....	14.94	2.92
Note: Includes bracket, linkage and conduit fittings.					
21 24 16 00-0018	EA		Fusible Link - 280 To 450 Degree F.....	5.60	1.09
21 24 16 00-0019	EA		Test Link.....	2.53	
21 24 16 00-0020	EA		Corner Pulley.....	7.72	1.52
21 24 16 00-0021	EA		Cable, 1/16" - 500 Foot Spool.....	124.45	24.35
21 24 16 00-0022	EA		Pulley Tee.....	56.00	10.94
21 24 16 00-0023	EA		Manual Pull Station (Standard).....	49.78	9.74
21 24 16 00-0024	EA		Adapter Kit - Manual Pull Station (Recess Standard Pull Station).....	23.36	4.54
21 24 16 00-0025	EA		Manual Pull Station (Oversized).....	55.50	10.82
21 24 16 00-0026	EA		Conduit Offset.....	11.07	2.16
21 24 16 00-0027	EA		Seal - 3/8" Pipe Thread (Quick-Seal).....	15.27	3.04
21 24 16 00-0028	EA		Seal - 1/2" Pipe Thread (Quick-Seal).....	12.44	2.49
21 24 16 00-0029	EA		3/8" Pipe Compression Seal.....	20.79	4.11
21 24 16 00-0030	EA		1/2" Pipe Compression Seal.....	20.79	4.11
21 24 16 00-0031	EA		Cap, Nozzle Blow-Off (Standard).....	7.50	2.81
21 24 16 00-0032	EA		Cap, Nozzle Blow-Off (High Temperature).....	13.94	2.81
21 24 16 00-0033	EA		Nozzle - Fryer, Griddle - 2 Flow Points Each.....	24.89	4.87
21 24 16 00-0034	EA		Nozzle - Appliance, Plenum - 1 Flow Points Each.....	24.89	4.87
21 24 16 00-0035	EA		Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	24.89	4.87
21 24 16 00-0036	EA		Nozzle - Upright Charbroiler - 1/2 Flow Points Each.....	24.89	4.87
21 24 16 00-0037	EA		Nozzle - Duct (Only) - 2 Flow Points Each.....	24.89	4.87
21 24 16 00-0038	EA		Nozzle - Four Burner Range - 2 Flow Points Each.....	35.80	7.04
21 24 16 00-0039	EA		Gas Valve - Mechanical - 3/4" Or 1".....	188.36	28.69
21 24 16 00-0040	EA		Gas Valve - Mechanical - 1-1/4" Or 1-1/2".....	229.48	41.67
21 24 16 00-0041	EA		Gas Valve - Mechanical - 2".....	283.25	49.24
21 24 16 00-0042	EA		Manual Reset Relay (Required With Every Electric Gas Valve).....	313.61	61.37
21 24 16 00-0043	EA		SPDT Microswitch With 18" Leads.....	16.51	3.25
21 24 16 00-0044	EA		Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	26.63	5.20
21 24 16 00-0045	EA		Gas Valve Trip Assembly.....	56.00	10.94

21 24 16 00-0046 Range Guard Fire Suppression Systems (2124 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA		1-1/4 Gallon Charged Cylinder With Valve.....	388.21	83.57
21 24 16 00-0048	EA		2-1/2 Gallon Charged Cylinder With Valve.....	484.59	104.30
21 24 16 00-0049	EA		4 Gallon Charged Cylinder With Valve.....	598.25	128.80
21 24 16 00-0050	EA		6 Gallon Charged Cylinder With Valve.....	710.59	152.91
21 24 16 00-0051	EA		Vent Plug.....	16.32	3.49
21 24 16 00-0052	EA		Discharge Adapter Kit.....	21.00	
21 24 16 00-0053	EA		1-1/4 Gallon Wall Bracket.....	43.21	9.26
21 24 16 00-0054	EA		2-1/2 Gallon Wall Bracket.....	45.74	9.86
21 24 16 00-0055	EA		4 Gallon Wall Bracket.....	86.37	18.63
21 24 16 00-0056	EA		6 Gallon Wall Bracket.....	95.72	20.62
21 24 16 00-0057	EA		Mechanical Control Head, No Microswitch.....	337.69	72.71
21 24 16 00-0058	EA		Mechanical Control Head, 1 Microswitch.....	352.31	75.81
21 24 16 00-0059	EA		Mechanical Control Head, 2 Microswitches.....	404.16	86.96
21 24 16 00-0060	EA		Tandem Control Head.....	307.11	66.15
21 24 16 00-0061	EA		Electric Control Head, 120 Volt AC / 24 Volt DC.....	519.82	111.87
21 24 16 00-0062	EA		Mechanical Control Box.....	231.32	49.81
21 24 16 00-0063	EA		Tandem Control Box.....	231.32	49.81
21 24 16 00-0064	EA		Mechanical Control Box Adapter.....	67.81	14.64
21 24 16 00-0065	EA		A+ Control head With 1 Pressure Operated Actuator.....	203.77	43.83
21 24 16 00-0066	EA		Pressure Operated Actuator.....	83.76	18.03
21 24 16 00-0067	EA		BMCS-1 Nitrogen Cylinder.....	135.60	29.19
21 24 16 00-0068	EA		BMCS-1 Actuator Assembly.....	138.26	29.78
21 24 16 00-0069	EA		BMCS-1 Mounting Bracket.....	33.90	7.27
21 24 16 00-0070	EA		BMCS-7 Nitrogen Cylinder.....	391.27	84.18
21 24 16 00-0071	EA		BMCS-7 Mounting Bracket.....	83.76	18.03
21 24 16 00-0072	EA		BMCS-7 Discharge Adapter Kit.....	83.76	18.03
21 24 16 00-0073	EA		Check Valve.....	76.47	21.42
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems.....	37.89	8.16
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	16.49	3.55
21 24 16 00-0076	EA		Replacement Receiver Gasket For BMCS-Actuator Assembly.....	4.35	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders.....	86.41	18.63
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW.....	39.61	8.57
21 24 16 00-0079	EA		Nozzles; DM And LPF.....	44.14	9.46
21 24 16 00-0080	EA		Swivel Adapter.....	27.92	5.97
21 24 16 00-0081	EA		Corner Pulley.....	11.96	2.59
21 24 16 00-0082	LF		1/16" Stainless Steel Cable.....	0.67	0.30
21 24 16 00-0083	EA		Cable Crimp Sleeve.....	0.78	0.30
21 24 16 00-0084	EA		"S" Hook.....	0.56	0.20
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	41.19	8.87
21 24 16 00-0086	EA		Cable Clamp.....	3.68	0.79
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable.....	0.55	0.20

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0088	EA		3/8" Cable Anchor	43.53	9.36
21 24 16 00-0089	EA		1/2" Cable Anchor	43.53	9.36
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable).....	70.40	15.14
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve	75.15	16.14
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line	88.03	18.92
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit	27.59	5.97
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line	115.57	24.80
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line	88.03	18.92
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit.....	104.94	22.61
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only	18.86	4.08
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	20.96	4.48
21 24 16 00-0099	EA		Fusible Link 165F To 360F	6.87	1.50
21 24 16 00-0100	EA		Fusible Link 500F.....	10.01	1.50
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	20.96	4.48
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	16.60	4.48
21 24 16 00-0103	EA		Quartzoid Link 400 F.....	112.91	24.30
21 24 16 00-0104	EA		Quartzoid Link 500 F.....	112.91	24.30
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	40.48	8.67
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	70.40	15.14
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box	41.84	8.97
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box.....	72.53	15.63
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	53.13	11.45
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB	76.65	16.44
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In)	224.50	48.31
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC.....	100.96	21.72
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	100.96	21.72
21 24 16 00-0114	EA		Electric Manual Pull Station	73.72	15.84
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	41.18	8.87
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	58.46	12.55
21 24 16 00-0117	EA		Fuse, 1.2 For ECH	4.75	1.00
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	20.96	4.48
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC	20.96	4.48
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT.....	77.05	16.54
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	85.02	18.33
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	3.00	1.30
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	10.62	2.29
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	114.25	24.60
21 24 16 00-0125	EA		Suppression Abort Station	120.89	26.00
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box.....	140.81	30.28
21 24 16 00-0127	EA		Surface Mount Back Box	46.49	9.96
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP	863.43	185.59
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	863.43	185.59
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	71.74	15.44
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.88	0.69
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	624.27	
21 24 16 00-0133	EA		Extra Scorpio Key	10.62	
21 24 16 00-0134	EA		Extra Scorpio Manual.....	6.65	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe.....	18.06	3.88
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	19.63	4.18
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	23.61	5.08
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	25.24	5.38
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	19.63	4.18
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	19.63	4.18
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	33.57	7.27
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	44.50	9.56
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter)	19.63	4.18
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	43.66	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	75.05	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge.....	113.42	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge.....	165.99	
21 24 16 00-0148	EA		Inlet Flushing Adapter.....	32.54	6.98
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet).....	32.54	6.98
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet).....	32.54	6.98
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet).....	32.54	6.98
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet).....	32.54	6.98
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only)	45.16	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB	3.77	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan).....	4.34	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only).....	3.32	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box.....	2.64	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315	571.15	122.83
21 24 16 00-0159	EA		Wet Chemical System Kits, RG-2.5G Kit; #23316	666.79	143.35
21 24 16 00-0160	EA		Wet Chemical System Kits, RG-4GS Kit; #23317	830.19	178.51
21 24 16 00-0161	EA		Wet Chemical System Kits, RG-4GT Kit; #23318	830.19	178.51
21 24 16 00-0162	EA		Wet Chemical System Kits, RG-6G Kit; #23319	1,044.03	224.43
21 24 16 00-0163	EA		Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	494.78	106.39
21 24 16 00-0164	EA		Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	464.88	99.91
21 24 16 00-0165	EA		Wet Chemical System Kits, A Plus Control Box Kit; #23322	375.90	80.79
21 24 16 00-0166	EA		Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	650.85	139.96
21 24 16 00-0167	EA		Wet Chemical System Kits, BMCS-1 Package; #23208	596.37	128.21



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Dry-Chemical Fire-Extinguishing Systems	21 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 30 Fire Pumps ⁽²¹⁾

21 31 Centrifugal Fire Pumps ^(21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps ^(21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps ^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump.....	31,678.73		1,893.84
		For Duplex Pumping System, Add	29,784.89		
21 31 13 00-0003	EA	30 HP Electric Fire Pump.....	36,774.20		2,130.57
		For Duplex Pumping System, Add	34,801.45		
21 31 13 00-0004	EA	40 HP Electric Fire Pump.....	49,756.89		2,367.30
		For Duplex Pumping System, Add	47,564.95		
21 31 13 00-0005	EA	50 HP Electric Fire Pump.....	61,252.73		2,601.88
		For Duplex Pumping System, Add	58,650.87		
21 31 13 00-0006	EA	75 HP Electric Fire Pump.....	68,331.59		2,838.41
		For Duplex Pumping System, Add	65,493.19		

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	46,104.48		2,128.80
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	52,125.34		2,365.33
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	54,847.81		2,601.88
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	62,332.76		2,838.41
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	66,364.20		3,311.48
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	71,902.57		4,257.61
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	78,121.63		4,730.67
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	89,319.03		5,392.96
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	106,550.31		5,818.73
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	124,874.74		6,622.94
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	147,698.12		7,096.01
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	166,033.71		7,569.07

21 31 16 00-0014 Electric Controllers For Fire Pumps ^(21 31 16)

21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller ^(21 31 16)

^{16 00-0014}

21 31 16 00-0016	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	17,164.51		212.88
21 31 16 00-0017	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	19,430.94		236.53
21 31 16 00-0018	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	20,378.01		260.19
21 31 16 00-0019	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,230.06		283.84
21 31 16 00-0020	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	24,558.77		331.14
21 31 16 00-0021	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,206.46		425.76
21 31 16 00-0022	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,410.24		473.07
21 31 16 00-0023	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,491.80		539.29
21 31 16 00-0024	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,128.85		581.87
21 31 16 00-0025	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	45,976.21		662.30
21 31 16 00-0026	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	54,821.64		709.60
21 31 16 00-0027	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	61,872.04		756.91

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	28.45
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	30.08
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.14
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	35.59
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	38.96
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.07
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	65.78
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	77.88
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	89.68
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	44.03
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	46.45
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	51.46
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	56.56
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	62.70
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	81.30
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	102.36
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	119.04
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	135.91
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	60.66
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	63.90
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	70.67
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	77.55
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	87.66
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	108.60
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	132.90
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	161.39
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	196.54
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	202.86
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	216.90

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 00-0001 Fixture And/Or Trim Replacement^(22 01 40)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 00-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	55.81
22 01 40 00-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	18.40
22 01 40 00-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	27.05
22 01 40 00-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	37.86
22 01 40 00-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	58.77

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 00-0007 EA Shower Head, Polished Chrome, Replacement.....	37.59	
22 01 40 00-0008 EA Shower Arm Replacement	32.23	
22 01 40 00-0009 EA Shower Head Replacement	31.09	
22 01 40 00-0010 EA Shower Knob Replacement	30.93	
22 01 40 00-0011 EA Hand Held Shower Replacement, ADA	121.11	
22 01 40 00-0012 EA Shower and Tub Control Trim Replacement	83.60	
Note: Excludes balancing valve.		
22 01 40 00-0013 EA Sink Basket Strainer Replacement	18.62	
22 01 40 00-0014 EA Sink Drain Without Stopper, 1-1/2" Replacement	11.44	
22 01 40 00-0015 EA Sink Drain Without Stopper, 4-1/2" Replacement	11.86	
22 01 40 00-0016 EA Sink Drain With Stopper, 1-1/2" Replacement	11.44	
22 01 40 00-0017 EA 1" Sink Rubber Stopper Replacement	8.62	
22 01 40 00-0018 EA Sink Tailpiece Extension 1-1/2" x 8" Replacement	23.40	
22 01 40 00-0019 EA Sink Trap, Adjustable, 1-1/2" Replacement	34.77	
22 01 40 00-0020 EA Lavatory Pop-Up Rod Replacement	22.51	
22 01 40 00-0021 EA Lavatory Pop-up Drain Stopper Replacement	28.13	
22 01 40 00-0022 EA Faucet Handle Replacement	29.40	
22 01 40 00-0023 EA Faucet O-Ring Replacement	23.97	
22 01 40 00-0024 EA 1-1/2" Faucet Hole Cover.....	15.35	
22 01 40 00-0025 EA Toilet Ballcock Replacement.....	35.56	
22 01 40 00-0026 EA Toilet Bowl Ring, Flat Wax, Replacement.....	6.80	
Note: Excludes removal of toilet.		
22 01 40 00-0027 EA Toilet Tank Replacement	140.32	
22 01 40 00-0028 EA Toilet Bowl, 10" Replacement	177.31	
22 01 40 00-0029 EA Toilet Bowl, 10", Water Saver, Replacement	190.26	
22 01 40 00-0030 EA Toilet Bowl, 12", Replacement.....	202.76	
22 01 40 00-0031 EA Toilet Bowl, Elongated, 18", Replacement	181.67	
22 01 40 00-0032 EA Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	22.17	
22 01 40 00-0033 EA Toilet Flapper With Chain Replacement	16.25	
22 01 40 00-0034 EA Toilet Flush Tank Lever Replacement	17.58	
22 01 40 00-0035 EA Elongated Toilet Seat With Lid Replacement.....	91.52	
22 01 40 00-0036 EA Elongated Toilet Seat Without Lid Replacement.....	59.51	
22 01 40 00-0037 EA Handicap Toilet Seat Replacement, Complete With Rails	134.51	
22 01 40 00-0038 EA Diverter Tub Spout Replacement.....	43.61	
22 01 40 00-0039 EA Tub Spout Replacement	33.17	
22 01 40 00-0040 EA 2" Tub Stopper, Replacement.....	10.01	
22 01 40 00-0041 EA Tub Waste/Overflow Replacement	68.70	
22 01 40 00-0042 EA Tub Stem Bonnet Assembly Replacement	35.55	
22 01 40 00-0043 EA Faucet Bonnet Replacement	39.08	
22 01 40 00-0044 EA Faucet Diverter Stem Replacement.....	24.58	
22 01 40 00-0045 EA Faucet Diverter Stem And Bonnet Replacement	32.55	
22 01 40 00-0046 EA Faucet Spout Replacement	36.82	
22 01 40 00-0047 EA Faucet Stem Replacement	27.14	
22 01 40 00-0048 EA Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	145.00	
22 01 40 00-0049 EA Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement.....	177.76	
22 01 40 00-0050 EA Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	114.89	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 12 33 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve ^(22 05 23)**22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves** ^(22 05 23 00-0001)

22 05 23 00-0003 EA 3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	170.83	11.90
22 05 23 00-0004 EA 1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	193.22	13.53

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0006 EA 1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	225.45	14.39
22 05 23 00-0007 EA 1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	304.67	16.66

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0009 EA 3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	211.71	11.90
22 05 23 00-0010 EA 1" 60 PSI Threaded Earthquake Gas Shutoff Valve	221.61	13.53
22 05 23 00-0011 EA 1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	248.16	14.39
22 05 23 00-0012 EA 1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	338.74	16.66
22 05 23 00-0013 EA 2" 60 PSI Threaded Earthquake Gas Shutoff Valve	779.69	19.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 05 23 00-0014 EA 2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	927.27	26.51
				22 05 23 00-0015 EA 3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,203.59	30.88
				22 05 23 00-0016 EA 4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,395.00	34.87
				22 05 23 00-0017 60 PSI Flanged Earthquake Gas Shutoff Valves <small>(22 05 23 00-0001)</small>		
				22 05 23 00-0018 EA 2" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,088.78	144.27
				22 05 23 00-0019 EA 3" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,341.77	169.35
				22 05 23 00-0020 EA 4" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,888.69	283.90
				22 05 23 00-0021 EA 6" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	3,125.15	365.39
				22 05 23 00-0022 EA 8" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	8,356.92	420.20
				22 05 23 00-0023 Emergency Shut-Off Valve With Fusible Link <small>(22 05 23)</small>		
				22 05 23 00-0024 Threaded Brass, Fusible Gate Valves (Morrison Bros. 939) <small>(22 05 23 00-0023)</small>		
				<small>Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.</small>		
				22 05 23 00-0025 EA 1/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	59.36	17.43
				<i>For Work In Restricted Working Space, Add</i>	9.46	
				22 05 23 00-0026 EA 3/8" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	61.06	18.40
				<i>For Work In Restricted Working Space, Add</i>	9.97	
				22 05 23 00-0027 EA 1/2" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	92.21	17.43
				<i>For Work In Restricted Working Space, Add</i>	10.48	
				22 05 23 00-0028 EA 3/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	174.27	23.49
				<i>For Work In Restricted Working Space, Add</i>	14.12	
				22 05 23 00-0029 EA 1" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	417.61	28.46
				<i>For Work In Restricted Working Space, Add</i>	17.09	
				22 05 23 00-0030 Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
				<small>Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.</small>		
				22 05 23 00-0031 EA 1-1/2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	332.36	16.66
				22 05 23 00-0032 EA 2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	361.55	19.70
				22 05 23 00-0033 EA 3" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	603.02	30.88
				22 05 23 00-0034 Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
				<small>Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.</small>		
				22 05 23 00-0035 EA 2" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	501.72	144.27
				22 05 23 00-0036 EA 3" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	787.84	169.35
				22 05 23 00-0037 EA 4" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,755.94	283.90
				22 05 23 00-0038 Mud Valves (Drain Plug Valves) <small>(22 05 23)</small>		
				<small>Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.</small>		
				22 05 23 00-0039 EA 4" Flanged End, Non Rising Stem Mud Valve	820.52	213.48
				22 05 23 00-0040 EA 6" Flanged End, Non Rising Stem Mud Valve	988.11	298.84
				22 05 23 00-0041 EA 8" Flanged End, Non Rising Stem Mud Valve	1,195.58	313.23
				22 05 23 00-0042 EA 10" Flanged End, Non Rising Stem Mud Valve	1,745.98	383.65
				22 05 23 00-0043 EA 12" Flanged End, Non Rising Stem Mud Valve	2,057.38	465.04
				22 05 23 00-0044 EA 14" Flanged End, Non Rising Stem Mud Valve	3,727.92	597.69
				22 05 23 00-0045 EA 16" Flanged End, Non Rising Stem Mud Valve	4,397.08	657.46
				22 05 23 00-0046 EA 18" Flanged End, Non Rising Stem Mud Valve	4,913.96	707.74
				22 05 23 00-0047 EA 24" Flanged End, Non Rising Stem Mud Valve	6,886.62	979.87
				22 05 29 Hangers And Supports For Plumbing Piping And Equipment <small>(22 05)</small>		
				<small>See CSI section 23 05 29 00-0000 for hangers and supports.</small>		
				22 05 33 Heat Tracing For Plumbing Piping <small>(22 05)</small>		
				<small>See CSI section 23 83 13 00-0000 for heat tracing cables.</small>		
				22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment <small>(22 05)</small>		
				<small>See CSI section 23 05 48 00-0000 for vibration and seismic control.</small>		
				22 05 53 Identification For Plumbing Piping And Equipment <small>(22 05)</small>		
				<small>See CSI section 23 05 53 00-0000 for identification.</small>		
				22 05 76 Facility Drainage Piping Cleanouts <small>(22 05)</small>		
				22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small>		
				<small>Note: For floor installation.</small>		
				22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	317.33	57.58
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	354.90	72.19
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	439.76	87.23
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	597.76	97.62
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	718.42	105.74
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0008			Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009	EA		2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	355.13	57.58
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0010	EA		3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	393.23	72.09
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0011	EA		4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	478.16	87.23
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0012	EA		5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	636.22	97.62
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	756.78	105.74
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout <small>(22 05 76)</small>		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	58.87	18.07
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	66.09	21.65
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	80.51 9.00 19.50	24.35
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	119.51 9.00 19.50	27.06
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	166.92 9.00 19.50	29.76
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	144.07 19.50 22.50	18.07
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	196.88 19.50 22.50	18.94
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	210.04 19.50 22.50	20.02
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	235.46 19.50 22.50	22.73
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	144.07 19.50 22.50	18.07
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	196.88 19.50 22.50	18.94
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	210.04 19.50 22.50	20.02
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	235.46 19.50 22.50	22.73
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	140.57 19.50 22.50	18.07
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	185.38 19.50 22.50	18.94
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	252.54 19.50 22.50	20.02
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	303.46 19.50 22.50	22.73
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	241.73 18.00 45.00	57.58
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	284.03 18.00 45.00	72.09
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	362.36 18.00 45.00	87.23
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	738.78 18.00 45.00	105.74
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	368.33 18.00 45.00	57.58

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	410.63	72.09
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	480.56	87.23
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	909.78	105.74
For Vandal Proof Screws, Add	18.00	
For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	197.96	47.08
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	219.82	51.41
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	291.89	67.64
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	412.18	80.09
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	651.40	94.70
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	38.16	13.53
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	43.33	14.71
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	61.03	16.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	69.45	18.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	78.87	21.65
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	101.79	24.35
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	136.70	27.06
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	207.03	29.76
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	282.44	32.46
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head.....	31.03	13.53
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head.....	31.72	13.53
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head.....	34.68	14.71
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head.....	39.42	16.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head.....	46.71	18.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head.....	55.25	21.65
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head.....	59.49	22.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head.....	64.19	24.35
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head.....	86.35	27.06
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head.....	30.49	13.53
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head.....	31.25	13.53
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head.....	36.18	14.71
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head.....	39.64	16.23
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head.....	46.06	18.94
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head.....	54.23	21.65
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head.....	63.63	24.35
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head.....	77.36	27.06
For Plug Tapped For Center Screw, Add	9.50	

22 07 Plumbing Insulation (22)**22 07 16 Plumbing Equipment Insulation (22 07)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 16 00-0001			Lavatory Insulation <small>(22 07 16)</small>		
22 07 16 00-0002	EA		Neoprene Insulation Kit For Under Lavatories.....	182.87	23.67
22 07 19			Plumbing Piping Insulation <small>(22 07)</small>		
22 07 19 00-0001			Fiberglass Pipe Insulation <small>(22 07 19)</small>		
<p>Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.</p>					
22 07 19 00-0002			1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0003	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.39	2.31
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.12</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>1.88</i>	
22 07 19 00-0004	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.51	2.31
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.13</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>1.88</i>	
22 07 19 00-0005	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.97	2.42
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.14</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>1.99</i>	
22 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.24	2.52
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.15</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.03</i>	
22 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.46	2.52
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.16</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.07</i>	
22 07 19 00-0008	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.95	2.63
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.18</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.18</i>	
22 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.31	2.73
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.20</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.22</i>	
22 07 19 00-0010	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.79	2.84
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.23</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.29</i>	
22 07 19 00-0011	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.01	3.06
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.29</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.48</i>	
22 07 19 00-0012	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.98	3.58
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.35</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.89</i>	
22 07 19 00-0013			1" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0014	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.99	3.16
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.14</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.60</i>	
22 07 19 00-0015	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.19	3.16
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.16</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.60</i>	
22 07 19 00-0016	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.34	3.16
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.16</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.63</i>	
22 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.67	3.26
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.19</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.67</i>	
22 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.92	3.26
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.20</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.71</i>	
22 07 19 00-0019	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.35	3.37
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.22</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.78</i>	
22 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.93	3.58
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.24</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.89</i>	
22 07 19 00-0021	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.48	3.68
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.27</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>2.97</i>	
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.99	3.89
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.35</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>3.20</i>	
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.10	4.52
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.43</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>3.60</i>	
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.62	5.05
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.61</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>4.13</i>	
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.09	6.00
			<i>For Single Layer Of Felt Finish, Add</i>	<i>0.72</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>4.88</i>	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.52	6.84
For Single Layer Of Felt Finish, Add	0.81	
For Work In Restricted Working Space, Add	5.64	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.40	7.47
For Single Layer Of Felt Finish, Add	0.94	
For Work In Restricted Working Space, Add	5.83	
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.73	3.25
For Single Layer Of Felt Finish, Add	0.29	
For Work In Restricted Working Space, Add	2.70	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.86	3.25
For Single Layer Of Felt Finish, Add	0.30	
For Work In Restricted Working Space, Add	2.70	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.53	3.44
For Single Layer Of Felt Finish, Add	0.31	
For Work In Restricted Working Space, Add	2.86	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.94	3.52
For Single Layer Of Felt Finish, Add	0.34	
For Work In Restricted Working Space, Add	2.92	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.29	3.58
For Single Layer Of Felt Finish, Add	0.36	
For Work In Restricted Working Space, Add	2.97	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.14	3.77
For Single Layer Of Felt Finish, Add	0.39	
For Work In Restricted Working Space, Add	3.13	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.69	3.83
For Single Layer Of Felt Finish, Add	0.43	
For Work In Restricted Working Space, Add	3.19	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.18	3.97
For Single Layer Of Felt Finish, Add	0.44	
For Work In Restricted Working Space, Add	3.30	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.68	4.29
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	3.56	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.34	5.01
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	4.16	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.50	5.28
For Single Layer Of Felt Finish, Add	0.72	
For Work In Restricted Working Space, Add	4.39	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.17	6.32
For Single Layer Of Felt Finish, Add	0.91	
For Work In Restricted Working Space, Add	5.26	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.82	7.37
For Single Layer Of Felt Finish, Add	0.99	
For Work In Restricted Working Space, Add	6.12	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.26	8.07
For Single Layer Of Felt Finish, Add	1.14	
For Work In Restricted Working Space, Add	6.71	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.16	3.58
For Single Layer Of Felt Finish, Add	0.45	
For Work In Restricted Working Space, Add	2.97	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.30	3.58
For Single Layer Of Felt Finish, Add	0.46	
For Work In Restricted Working Space, Add	2.97	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.74	3.68
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	3.01	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.13	3.68
For Single Layer Of Felt Finish, Add	0.52	
For Work In Restricted Working Space, Add	3.04	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.54	3.79
For Single Layer Of Felt Finish, Add	0.55	
For Work In Restricted Working Space, Add	3.08	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.13	3.89
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	3.20	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.91	4.00
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	3.31	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.75	4.21
For Single Layer Of Felt Finish, Add	0.67	
For Work In Restricted Working Space, Add	3.42	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.29	4.42
For Single Layer Of Felt Finish, Add	0.76	
For Work In Restricted Working Space, Add	3.61	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.88	5.19
For Single Layer Of Felt Finish, Add	0.89	
For Work In Restricted Working Space, Add	4.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.66	5.48
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	4.57	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.72	6.55
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	5.47	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.54	7.86
<i>For Single Layer Of Felt Finish, Add</i>	1.44	
<i>For Work In Restricted Working Space, Add</i>	6.55	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.96	8.57
<i>For Single Layer Of Felt Finish, Add</i>	1.63	
<i>For Work In Restricted Working Space, Add</i>	9.14	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.11	10.05
<i>For Single Layer Of Felt Finish, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	9.14	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.96	10.56
<i>For Single Layer Of Felt Finish, Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	9.59	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.09	12.05
<i>For Single Layer Of Felt Finish, Add</i>	2.47	
<i>For Work In Restricted Working Space, Add</i>	10.96	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.26	14.58
<i>For Single Layer Of Felt Finish, Add</i>	2.74	
<i>For Work In Restricted Working Space, Add</i>	13.25	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.35	4.21
<i>For Single Layer Of Felt Finish, Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.55	4.21
<i>For Single Layer Of Felt Finish, Add</i>	0.64	
<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.18	4.21
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	3.48	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.64	4.31
<i>For Single Layer Of Felt Finish, Add</i>	0.73	
<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.11	4.31
<i>For Single Layer Of Felt Finish, Add</i>	0.77	
<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.90	4.52
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.96	4.63
<i>For Single Layer Of Felt Finish, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.94	4.84
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	3.94	
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.09	5.05
<i>For Single Layer Of Felt Finish, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.59	5.37
<i>For Single Layer Of Felt Finish, Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.98	6.41
<i>For Single Layer Of Felt Finish, Add</i>	1.94	
<i>For Work In Restricted Working Space, Add</i>	5.26	
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.80	7.37
<i>For Single Layer Of Felt Finish, Add</i>	2.37	
<i>For Work In Restricted Working Space, Add</i>	6.07	
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.17	9.16
<i>For Single Layer Of Felt Finish, Add</i>	2.62	
<i>For Work In Restricted Working Space, Add</i>	7.54	
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.36	10.10
<i>For Single Layer Of Felt Finish, Add</i>	2.93	
<i>For Work In Restricted Working Space, Add</i>	8.23	
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	65.83	12.84
<i>For Single Layer Of Felt Finish, Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	10.52	
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.58	13.47
<i>For Single Layer Of Felt Finish, Add</i>	3.54	
<i>For Work In Restricted Working Space, Add</i>	11.05	
22 07 19 00-0079 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.18	15.36
<i>For Single Layer Of Felt Finish, Add</i>	4.00	
<i>For Work In Restricted Working Space, Add</i>	12.63	
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	94.65	18.56
<i>For Single Layer Of Felt Finish, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	15.26	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.15	4.65
			<i>For Single Layer Of Felt Finish, Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.37	4.65
			<i>For Single Layer Of Felt Finish, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.00	4.69
			<i>For Single Layer Of Felt Finish, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.48	4.72
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	3.86	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.05	4.77
			<i>For Single Layer Of Felt Finish, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	3.90	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.86	4.96
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	4.04	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.02	5.13
			<i>For Single Layer Of Felt Finish, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.10	5.32
			<i>For Single Layer Of Felt Finish, Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.49	5.61
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	4.57	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.31	6.36
			<i>For Single Layer Of Felt Finish, Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	5.19	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.51	7.09
			<i>For Single Layer Of Felt Finish, Add</i>	2.13	
			<i>For Work In Restricted Working Space, Add</i>	5.78	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.03	8.18
			<i>For Single Layer Of Felt Finish, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.03	10.17
			<i>For Single Layer Of Felt Finish, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	8.30	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.83	11.11
			<i>For Single Layer Of Felt Finish, Add</i>	3.22	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	72.34	14.19
			<i>For Single Layer Of Felt Finish, Add</i>	3.55	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.56	14.91
			<i>For Single Layer Of Felt Finish, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	12.15	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.11	17.05
			<i>For Single Layer Of Felt Finish, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	13.89	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	104.00	20.58
			<i>For Single Layer Of Felt Finish, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	16.78	
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.70	5.05
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.96	5.05
			<i>For Single Layer Of Felt Finish, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.84	5.05
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.36	5.16
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.00	5.16
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	4.26	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.85	5.37
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.11	5.58
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	4.56	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.22	5.79
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.93	6.10
			<i>For Single Layer Of Felt Finish, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	4.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.10	6.95
<i>For Single Layer Of Felt Finish, Add</i>	1.49	
<i>For Work In Restricted Working Space, Add</i>	5.66	
22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.15	7.68
<i>For Single Layer Of Felt Finish, Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	6.31	
22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.36	8.84
<i>For Single Layer Of Felt Finish, Add</i>	2.84	
<i>For Work In Restricted Working Space, Add</i>	7.28	
22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.00	11.05
<i>For Single Layer Of Felt Finish, Add</i>	3.03	
<i>For Work In Restricted Working Space, Add</i>	9.05	
22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.44	12.10
<i>For Single Layer Of Felt Finish, Add</i>	3.52	
<i>For Work In Restricted Working Space, Add</i>	9.88	
22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.01	15.36
<i>For Single Layer Of Felt Finish, Add</i>	3.88	
<i>For Work In Restricted Working Space, Add</i>	12.62	
22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.70	16.20
<i>For Single Layer Of Felt Finish, Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	13.26	
22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.26	18.52
<i>For Single Layer Of Felt Finish, Add</i>	4.80	
<i>For Work In Restricted Working Space, Add</i>	15.16	
22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.57	22.31
<i>For Single Layer Of Felt Finish, Add</i>	5.52	
<i>For Work In Restricted Working Space, Add</i>	18.31	
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.38	5.68
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.67	5.68
<i>For Single Layer Of Felt Finish, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.53	5.68
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	4.69	
22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.21	5.79
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	4.74	
22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.22	6.00
<i>For Single Layer Of Felt Finish, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.90	
22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.15	6.21
<i>For Single Layer Of Felt Finish, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	5.05	
22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.25	6.21
<i>For Single Layer Of Felt Finish, Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	5.12	
22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.61	6.52
<i>For Single Layer Of Felt Finish, Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	5.31	
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.53	6.84
<i>For Single Layer Of Felt Finish, Add</i>	1.45	
<i>For Work In Restricted Working Space, Add</i>	5.61	
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.22	7.78
<i>For Single Layer Of Felt Finish, Add</i>	1.68	
<i>For Work In Restricted Working Space, Add</i>	6.36	
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.54	8.41
<i>For Single Layer Of Felt Finish, Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	7.10	
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.79	9.99
<i>For Single Layer Of Felt Finish, Add</i>	3.20	
<i>For Work In Restricted Working Space, Add</i>	8.20	
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.39	12.41
<i>For Single Layer Of Felt Finish, Add</i>	3.41	
<i>For Work In Restricted Working Space, Add</i>	10.18	
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.77	13.57
<i>For Single Layer Of Felt Finish, Add</i>	3.96	
<i>For Work In Restricted Working Space, Add</i>	11.12	
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.94	17.36
<i>For Single Layer Of Felt Finish, Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	14.22	
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.24	18.20
<i>For Single Layer Of Felt Finish, Add</i>	4.79	
<i>For Work In Restricted Working Space, Add</i>	14.90	
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	107.09	20.83
<i>For Single Layer Of Felt Finish, Add</i>	5.28	
<i>For Work In Restricted Working Space, Add</i>	17.05	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	127.79	25.14
<i>For Single Layer Of Felt Finish, Add</i>	6.21	
<i>For Work In Restricted Working Space, Add</i>	20.60	

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22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0138	LF		26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	146.53	29.66
			<i>For Single Layer Of Felt Finish, Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	24.28	
22 07 19 00-0139	LF		28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	166.17	34.93
			<i>For Single Layer Of Felt Finish, Add</i>	7.44	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
22 07 19 00-0140	LF		30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	188.73	41.25
			<i>For Single Layer Of Felt Finish, Add</i>	7.96	
			<i>For Work In Restricted Working Space, Add</i>	33.87	
22 07 19 00-0141	LF		36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	229.70	52.43
			<i>For Single Layer Of Felt Finish, Add</i>	9.05	
			<i>For Work In Restricted Working Space, Add</i>	43.06	
22 07 19 00-0142	LF		42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	270.67	63.86
			<i>For Single Layer Of Felt Finish, Add</i>	10.13	
			<i>For Work In Restricted Working Space, Add</i>	52.26	
22 07 19 00-0143	LF		44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	292.19	70.18
			<i>For Single Layer Of Felt Finish, Add</i>	10.52	
			<i>For Work In Restricted Working Space, Add</i>	57.60	
22 07 19 00-0144	LF		46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	311.34	75.54
			<i>For Single Layer Of Felt Finish, Add</i>	10.94	
			<i>For Work In Restricted Working Space, Add</i>	62.13	
22 07 19 00-0145			4-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0146	LF		1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.63	6.11
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	4.96	
22 07 19 00-0147	LF		3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.96	6.11
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	4.96	
22 07 19 00-0148	LF		1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.93	6.11
			<i>For Single Layer Of Felt Finish, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.05	
22 07 19 00-0149	LF		1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.69	6.22
			<i>For Single Layer Of Felt Finish, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 07 19 00-0150	LF		1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.80	6.44
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 07 19 00-0151	LF		2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.83	6.67
			<i>For Single Layer Of Felt Finish, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0152	LF		2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.07	6.67
			<i>For Single Layer Of Felt Finish, Add</i>	1.33	
			<i>For Work In Restricted Working Space, Add</i>	5.51	
22 07 19 00-0153	LF		3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.57	7.02
			<i>For Single Layer Of Felt Finish, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	5.71	
22 07 19 00-0154	LF		4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.82	7.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	6.03	
22 07 19 00-0155	LF		6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.01	8.37
			<i>For Single Layer Of Felt Finish, Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	6.84	
22 07 19 00-0156	LF		8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	53.75	9.05
			<i>For Single Layer Of Felt Finish, Add</i>	2.97	
			<i>For Work In Restricted Working Space, Add</i>	7.63	
22 07 19 00-0157	LF		10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	64.03	10.75
			<i>For Single Layer Of Felt Finish, Add</i>	3.64	
			<i>For Work In Restricted Working Space, Add</i>	8.81	
22 07 19 00-0158	LF		12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.41	13.35
			<i>For Single Layer Of Felt Finish, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	10.94	
22 07 19 00-0159	LF		14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.75	14.59
			<i>For Single Layer Of Felt Finish, Add</i>	4.50	
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 07 19 00-0160	LF		16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	98.22	18.66
			<i>For Single Layer Of Felt Finish, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	15.29	
22 07 19 00-0161	LF		18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	105.25	19.56
			<i>For Single Layer Of Felt Finish, Add</i>	5.45	
			<i>For Work In Restricted Working Space, Add</i>	16.02	
22 07 19 00-0162	LF		20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	118.27	22.40
			<i>For Single Layer Of Felt Finish, Add</i>	6.00	
			<i>For Work In Restricted Working Space, Add</i>	18.33	
22 07 19 00-0163	LF		24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	141.07	27.03
			<i>For Single Layer Of Felt Finish, Add</i>	7.06	
			<i>For Work In Restricted Working Space, Add</i>	22.14	
22 07 19 00-0164	LF		26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	161.63	31.90
			<i>For Single Layer Of Felt Finish, Add</i>	7.84	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
22 07 19 00-0165	LF		28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	183.07	37.55
			<i>For Single Layer Of Felt Finish, Add</i>	8.47	
			<i>For Work In Restricted Working Space, Add</i>	30.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0166 LF 30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	207.63	44.33
<i>For Single Layer Of Felt Finish, Add</i>	9.06	
<i>For Work In Restricted Working Space, Add</i>	36.41	
22 07 19 00-0167 LF 36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	252.32	56.37
<i>For Single Layer Of Felt Finish, Add</i>	10.29	
<i>For Work In Restricted Working Space, Add</i>	46.29	
22 07 19 00-0168 LF 42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	297.03	68.66
<i>For Single Layer Of Felt Finish, Add</i>	11.53	
<i>For Work In Restricted Working Space, Add</i>	56.18	
22 07 19 00-0169 LF 44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	320.40	75.44
<i>For Single Layer Of Felt Finish, Add</i>	11.97	
<i>For Work In Restricted Working Space, Add</i>	61.92	
22 07 19 00-0170 LF 46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	341.22	81.20
<i>For Single Layer Of Felt Finish, Add</i>	12.45	
<i>For Work In Restricted Working Space, Add</i>	66.79	
22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0172 LF 1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.42	6.72
<i>For Single Layer Of Felt Finish, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0173 LF 3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.78	6.72
<i>For Single Layer Of Felt Finish, Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0174 LF 1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.87	6.72
<i>For Single Layer Of Felt Finish, Add</i>	1.19	
<i>For Work In Restricted Working Space, Add</i>	5.55	
22 07 19 00-0175 LF 1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.74	6.85
<i>For Single Layer Of Felt Finish, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	5.61	
22 07 19 00-0176 LF 1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.97	7.09
<i>For Single Layer Of Felt Finish, Add</i>	1.33	
<i>For Work In Restricted Working Space, Add</i>	5.79	
22 07 19 00-0177 LF 2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.10	7.34
<i>For Single Layer Of Felt Finish, Add</i>	1.39	
<i>For Work In Restricted Working Space, Add</i>	5.96	
22 07 19 00-0178 LF 2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.50	7.34
<i>For Single Layer Of Felt Finish, Add</i>	1.50	
<i>For Work In Restricted Working Space, Add</i>	6.06	
22 07 19 00-0179 LF 3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.17	7.71
<i>For Single Layer Of Felt Finish, Add</i>	1.60	
<i>For Work In Restricted Working Space, Add</i>	6.28	
22 07 19 00-0180 LF 4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.81	8.08
<i>For Single Layer Of Felt Finish, Add</i>	1.86	
<i>For Work In Restricted Working Space, Add</i>	6.63	
22 07 19 00-0181 LF 6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.57	9.21
<i>For Single Layer Of Felt Finish, Add</i>	2.15	
<i>For Work In Restricted Working Space, Add</i>	7.52	
22 07 19 00-0182 LF 8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.83	9.95
<i>For Single Layer Of Felt Finish, Add</i>	3.35	
<i>For Work In Restricted Working Space, Add</i>	8.39	
22 07 19 00-0183 LF 10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.30	11.82
<i>For Single Layer Of Felt Finish, Add</i>	4.09	
<i>For Work In Restricted Working Space, Add</i>	9.69	
22 07 19 00-0184 LF 12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	81.68	14.68
<i>For Single Layer Of Felt Finish, Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	12.04	
22 07 19 00-0185 LF 14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	92.09	16.05
<i>For Single Layer Of Felt Finish, Add</i>	5.07	
<i>For Work In Restricted Working Space, Add</i>	13.15	
22 07 19 00-0186 LF 16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	109.21	20.53
<i>For Single Layer Of Felt Finish, Add</i>	5.58	
<i>For Work In Restricted Working Space, Add</i>	16.81	
22 07 19 00-0187 LF 18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	117.06	21.52
<i>For Single Layer Of Felt Finish, Add</i>	6.12	
<i>For Work In Restricted Working Space, Add</i>	17.62	
22 07 19 00-0188 LF 20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	131.52	24.64
<i>For Single Layer Of Felt Finish, Add</i>	6.75	
<i>For Work In Restricted Working Space, Add</i>	20.16	
22 07 19 00-0189 LF 24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	156.87	29.74
<i>For Single Layer Of Felt Finish, Add</i>	7.95	
<i>For Work In Restricted Working Space, Add</i>	24.36	
22 07 19 00-0190 LF 26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	179.66	35.08
<i>For Single Layer Of Felt Finish, Add</i>	8.82	
<i>For Work In Restricted Working Space, Add</i>	28.71	
22 07 19 00-0191 LF 28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	203.40	41.31
<i>For Single Layer Of Felt Finish, Add</i>	9.52	
<i>For Work In Restricted Working Space, Add</i>	33.81	
22 07 19 00-0192 LF 30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	230.57	48.77
<i>For Single Layer Of Felt Finish, Add</i>	10.19	
<i>For Work In Restricted Working Space, Add</i>	40.05	
22 07 19 00-0193 LF 36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	280.01	62.00
<i>For Single Layer Of Felt Finish, Add</i>	11.58	
<i>For Work In Restricted Working Space, Add</i>	50.92	

22 Plumbing
22 07 Plumbing Insulation
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0194 LF 42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.47 12.97 61.79	75.51
22 07 19 00-0195 LF 44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.27 13.47 68.11	82.98
22 07 19 00-0196 LF 46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.32 14.01 73.47	89.33
22 07 19 00-0197 Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0198 1" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0199 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.32 4.67	5.14
22 07 19 00-0200 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.03 4.67	5.14
22 07 19 00-0201 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.96 4.73	5.21
22 07 19 00-0202 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.43 4.80	5.28
22 07 19 00-0203 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.13 4.87	5.36
22 07 19 00-0204 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.48 5.01	5.50
22 07 19 00-0205 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.17 5.21	5.73
22 07 19 00-0206 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.00 5.35	5.88
22 07 19 00-0207 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.95 5.75	6.32
22 07 19 00-0208 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.93 6.49	7.14
22 07 19 00-0209 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0210 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.26 6.11	6.73
22 07 19 00-0211 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.70 6.11	6.73
22 07 19 00-0212 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.15 6.11	6.73
22 07 19 00-0213 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.15 6.31	6.95
22 07 19 00-0214 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.14 6.53	7.19
22 07 19 00-0215 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.31 6.77	7.44
22 07 19 00-0216 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.76 7.02	7.72
22 07 19 00-0217 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.03 7.29	8.02
22 07 19 00-0218 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.88 7.57	8.33
22 07 19 00-0219 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.03 8.03	8.83
22 07 19 00-0220 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.04 8.52	9.38
22 07 19 00-0221 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	61.06 10.01	11.02
22 07 19 00-0222 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.07 11.63	12.81
22 07 19 00-0223 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	75.74 12.04	13.25
22 07 19 00-0224 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.42 13.45	14.80
22 07 19 00-0225 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	94.69 15.91	17.50
22 07 19 00-0226 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.75 17.61	19.37
22 07 19 00-0227 LF 24" Diameter Pipe, 2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	131.51 19.51	21.46
22 07 19 00-0228 2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0229 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.21 5.35	5.88
22 07 19 00-0230 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.90 5.35	5.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0231 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.79 5.41	5.94
22 07 19 00-0232 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.11 5.48	6.03
22 07 19 00-0233 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.44 5.55	6.10
22 07 19 00-0234 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.70 5.75	6.32
22 07 19 00-0235 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.23 5.95	6.55
22 07 19 00-0236 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.61 6.15	6.77
22 07 19 00-0237 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.01 6.49	7.15
22 07 19 00-0238 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.78 7.37	8.11
22 07 19 00-0239 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	53.18 8.22	9.05
22 07 19 00-0240 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.62 9.48	10.42
22 07 19 00-0241 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	80.06 11.78	12.96
22 07 19 00-0242 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	85.59 12.86	14.15
22 07 19 00-0243 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	101.42 16.44	18.08
22 07 19 00-0244 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	110.44 17.26	18.99
22 07 19 00-0245 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	122.29 19.73	21.70
22 07 19 00-0246 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	153.23 23.84	26.22
22 07 19 00-0247 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0248 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.27 5.80	6.37
22 07 19 00-0249 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.44 5.79	6.36
22 07 19 00-0250 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.94 5.89	6.47
22 07 19 00-0251 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.26 5.93	6.52
22 07 19 00-0252 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.60 5.97	6.57
22 07 19 00-0253 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.06 6.22	6.84
22 07 19 00-0254 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.40 6.44	7.08
22 07 19 00-0255 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.73 6.66	7.32
22 07 19 00-0256 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.81 7.02	7.72
22 07 19 00-0257 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	57.10 7.99	8.79
22 07 19 00-0258 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.63 8.90	9.79
22 07 19 00-0259 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	72.62 10.27	11.29
22 07 19 00-0260 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	90.41 12.76	14.03
22 07 19 00-0261 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	94.38 13.93	15.32
22 07 19 00-0262 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	111.51 17.80	19.58
22 07 19 00-0263 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	121.14 18.69	20.56
22 07 19 00-0264 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	139.27 21.36	23.49
22 07 19 00-0265 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	174.27 25.81	28.40
22 07 19 00-0266 3" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0267 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.24 6.17	6.78
22 07 19 00-0268 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.94 6.17	6.78
22 07 19 00-0269 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.99 6.26	6.90
22 07 19 00-0270 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.83 6.31	6.94
22 07 19 00-0271 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.72 6.36	7.00

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0272 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.59 6.62	7.28
22 07 19 00-0273 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.32 6.85	7.53
22 07 19 00-0274 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.25 7.09	7.80
22 07 19 00-0275 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.26 7.47	8.21
22 07 19 00-0276 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.75 8.49	9.34
22 07 19 00-0277 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.85 9.47	10.41
22 07 19 00-0278 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	84.48 10.92	12.01
22 07 19 00-0279 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	98.25 13.57	14.93
22 07 19 00-0280 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.24 14.82	16.29
22 07 19 00-0281 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	125.80 18.94	20.83
22 07 19 00-0282 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	134.63 19.89	21.87
22 07 19 00-0283 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	157.69 22.73	25.00
22 07 19 00-0284 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	192.74 27.46	30.21
22 07 19 00-0285 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0286 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.43 7.47	8.21
22 07 19 00-0287 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.32 7.47	8.21
22 07 19 00-0288 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.38 7.52	8.27
22 07 19 00-0289 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.42 7.57	8.32
22 07 19 00-0290 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.63 7.66	8.42
22 07 19 00-0291 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.25 7.93	8.73
22 07 19 00-0292 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.90 8.20	9.03
22 07 19 00-0293 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.04 8.49	9.34
22 07 19 00-0294 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.22 8.98	9.88
22 07 19 00-0295 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.76 10.19	11.22
22 07 19 00-0296 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.71 11.36	12.49
22 07 19 00-0297 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	98.88 13.10	14.42
22 07 19 00-0298 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	116.91 16.29	17.91
22 07 19 00-0299 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	122.04 17.78	19.56
22 07 19 00-0300 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	146.43 22.73	25.00
22 07 19 00-0301 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	160.83 23.86	26.25
22 07 19 00-0302 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	183.12 27.29	30.02
22 07 19 00-0303 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	224.82 32.95	36.25
22 07 19 00-0304 4" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0305 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.69 9.18	10.10
22 07 19 00-0306 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.83 9.18	10.10
22 07 19 00-0307 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.50 9.34	10.27
22 07 19 00-0308 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.00 9.45	10.39
22 07 19 00-0309 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.14 9.74	10.73
22 07 19 00-0310 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.76 10.04	11.05
22 07 19 00-0311 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.89 10.20	11.23
22 07 19 00-0312 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.20 10.58	11.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0313 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	76.75 11.79	12.97
22 07 19 00-0314 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	88.70 12.67	13.93
22 07 19 00-0315 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.11 13.73	15.11
22 07 19 00-0316 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	114.70 16.32	17.95
22 07 19 00-0317 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	134.10 20.26	22.30
22 07 19 00-0318 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	145.82 22.14	24.35
22 07 19 00-0319 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	173.25 28.30	31.13
22 07 19 00-0320 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	192.61 29.66	32.63
22 07 19 00-0321 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	215.96 33.95	37.33
22 07 19 00-0322 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	273.76 41.01	45.12
22 07 19 00-0323 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0324 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0325 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.49 1.89	3.15
22 07 19 00-0326 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.50 1.89	3.15
22 07 19 00-0327 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.51 1.89	3.15
22 07 19 00-0328 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.76 1.96	3.26
22 07 19 00-0329 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.02 2.03	3.37
22 07 19 00-0330 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.20 2.06	3.43
22 07 19 00-0331 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.41 2.09	3.48
22 07 19 00-0332 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.49 2.10	3.48
22 07 19 00-0333 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.67 2.11	3.48
22 07 19 00-0334 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.12 2.17	3.59
22 07 19 00-0335 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.32 2.21	3.65
22 07 19 00-0336 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0337 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.13 2.06	3.43
22 07 19 00-0338 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.15 2.06	3.43
22 07 19 00-0339 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.22 2.07	3.43
22 07 19 00-0340 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.32 2.09	3.48
22 07 19 00-0341 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.41 2.11	3.48
22 07 19 00-0342 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.69 2.16	3.59
22 07 19 00-0343 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.34 2.02	3.65
22 07 19 00-0344 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.15 2.22	3.70
22 07 19 00-0345 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.42 2.25	3.76
22 07 19 00-0346 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.92 2.32	3.87
22 07 19 00-0347 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.39 2.36	3.92
22 07 19 00-0348 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.82 2.39	3.98
22 07 19 00-0349 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.11 2.42	4.03
22 07 19 00-0350 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0351 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.82 2.22	3.70

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0352 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....7.85 <i>For Work In Restricted Working Space, Add</i> 2.22	7.85	3.70
22 07 19 00-0353 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....7.95 <i>For Work In Restricted Working Space, Add</i> 2.25	7.95	3.76
22 07 19 00-0354 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....8.33 <i>For Work In Restricted Working Space, Add</i> 2.32	8.33	3.87
22 07 19 00-0355 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....8.51 <i>For Work In Restricted Working Space, Add</i> 2.36	8.51	3.92
22 07 19 00-0356 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....8.95 <i>For Work In Restricted Working Space, Add</i> 2.42	8.95	4.03
22 07 19 00-0357 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....9.33 <i>For Work In Restricted Working Space, Add</i> 2.45	9.33	4.09
22 07 19 00-0358 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....9.51 <i>For Work In Restricted Working Space, Add</i> 2.47	9.51	4.09
22 07 19 00-0359 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....10.16 <i>For Work In Restricted Working Space, Add</i> 2.49	10.16	4.14
22 07 19 00-0360 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....11.12 <i>For Work In Restricted Working Space, Add</i> 2.55	11.12	4.25
22 07 19 00-0361 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....11.22 <i>For Work In Restricted Working Space, Add</i> 2.58	11.22	4.31
22 07 19 00-0362 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....11.90 <i>For Work In Restricted Working Space, Add</i> 2.62	11.90	4.36
22 07 19 00-0363 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....12.20 <i>For Work In Restricted Working Space, Add</i> 2.65	12.20	4.42
22 07 19 00-0364 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0365 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....8.80 <i>For Work In Restricted Working Space, Add</i> 2.45	8.80	4.09
22 07 19 00-0366 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....8.98 <i>For Work In Restricted Working Space, Add</i> 2.49	8.98	4.14
22 07 19 00-0367 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....9.47 <i>For Work In Restricted Working Space, Add</i> 2.55	9.47	4.25
22 07 19 00-0368 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....9.63 <i>For Work In Restricted Working Space, Add</i> 2.58	9.63	4.31
22 07 19 00-0369 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....10.32 <i>For Work In Restricted Working Space, Add</i> 2.65	10.32	4.42
22 07 19 00-0370 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....10.71 <i>For Work In Restricted Working Space, Add</i> 2.72	10.71	4.53
22 07 19 00-0371 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....10.88 <i>For Work In Restricted Working Space, Add</i> 2.75	10.88	4.53
22 07 19 00-0372 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....11.48 <i>For Work In Restricted Working Space, Add</i> 2.78	11.48	4.64
22 07 19 00-0373 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....11.98 <i>For Work In Restricted Working Space, Add</i> 2.85	11.98	4.75
22 07 19 00-0374 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....12.39 <i>For Work In Restricted Working Space, Add</i> 2.89	12.39	4.81
22 07 19 00-0375 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0376 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0377 LF 1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.54 <i>For Work In Restricted Working Space, Add</i> 1.89	6.54	3.15
22 07 19 00-0378 LF 3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.59 <i>For Work In Restricted Working Space, Add</i> 1.89	6.59	3.15
22 07 19 00-0379 LF 1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.82 <i>For Work In Restricted Working Space, Add</i> 1.96	6.82	3.26
22 07 19 00-0380 LF 5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.91 <i>For Work In Restricted Working Space, Add</i> 1.99	6.91	3.32
22 07 19 00-0381 LF 3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.10 <i>For Work In Restricted Working Space, Add</i> 2.03	7.10	3.37
22 07 19 00-0382 LF 7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.15 <i>For Work In Restricted Working Space, Add</i> 2.04	7.15	3.37
22 07 19 00-0383 LF 1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.24 <i>For Work In Restricted Working Space, Add</i> 2.06	7.24	3.43
22 07 19 00-0384 LF 1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.30 <i>For Work In Restricted Working Space, Add</i> 2.07	7.30	3.43
22 07 19 00-0385 LF 1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.45 <i>For Work In Restricted Working Space, Add</i> 2.09	7.45	3.48
22 07 19 00-0386 LF 1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.54 <i>For Work In Restricted Working Space, Add</i> 2.10	7.54	3.48
22 07 19 00-0387 LF 2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.74 <i>For Work In Restricted Working Space, Add</i> 2.11	7.74	3.48
22 07 19 00-0388 LF 2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.86 <i>For Work In Restricted Working Space, Add</i> 2.12	7.86	3.54
22 07 19 00-0389 LF 2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.06 <i>For Work In Restricted Working Space, Add</i> 2.16	8.06	3.59
22 07 19 00-0390 LF 2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.20 <i>For Work In Restricted Working Space, Add</i> 2.17	8.20	3.59
22 07 19 00-0391 LF 2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.30 <i>For Work In Restricted Working Space, Add</i> 2.19	8.30	3.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0392 LF 3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.45 2.21	3.65
22 07 19 00-0393 LF 3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.73 2.22	3.70
22 07 19 00-0394 LF 4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.07 2.25	3.76
22 07 19 00-0395 LF 4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.42 2.27	3.78
22 07 19 00-0396 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0397 LF 1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.21 2.06	3.43
22 07 19 00-0398 LF 3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.31 2.07	3.43
22 07 19 00-0399 LF 1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.42 2.09	3.48
22 07 19 00-0400 LF 3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.52 2.11	3.48
22 07 19 00-0401 LF 1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.74 2.16	3.59
22 07 19 00-0402 LF 1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.93 2.19	3.65
22 07 19 00-0403 LF 1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.19 2.22	3.70
22 07 19 00-0404 LF 2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.50 2.25	3.76
22 07 19 00-0405 LF 2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.99 2.32	3.87
22 07 19 00-0406 LF 3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.23 2.36	3.92
22 07 19 00-0407 LF 3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.86 2.39	3.98
22 07 19 00-0408 LF 4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.12 2.42	4.03
22 07 19 00-0409 LF 5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.97 2.45	4.09
22 07 19 00-0410 LF 6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.59 2.52	4.20
22 07 19 00-0411 LF 8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.17 2.58	4.31
22 07 19 00-0412 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0413 LF 1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.98 2.22	3.70
22 07 19 00-0414 LF 3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.13 2.25	3.76
22 07 19 00-0415 LF 1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.47 2.32	3.87
22 07 19 00-0416 LF 3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.75 2.36	3.92
22 07 19 00-0417 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.10 2.42	4.03
22 07 19 00-0418 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.56 2.45	4.09
22 07 19 00-0419 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.86 2.49	4.14
22 07 19 00-0420 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.14 2.49	4.14
22 07 19 00-0421 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.97 2.55	4.25
22 07 19 00-0422 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.41 2.58	4.31
22 07 19 00-0423 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.04 2.62	4.36
22 07 19 00-0424 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.36 2.65	4.42
22 07 19 00-0425 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.70 1.34	5.26
22 07 19 00-0426 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.17 2.72	4.53
22 07 19 00-0427 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.45 2.78	4.64
22 07 19 00-0428 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0429 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.64 2.49	4.14
22 07 19 00-0430 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.94 2.55	4.25
22 07 19 00-0431 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.36 2.58	4.31

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0432 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.87	4.42
<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0433 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.36	4.53
<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0434 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.83	4.53
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0435 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.85	4.64
<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0436 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.15	4.75
<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0437 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.78	4.81
<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0438 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.05	4.87
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0439 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.72	4.98
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0440 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.08	5.09
<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0441 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.49	5.20
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0442 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0443 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0444 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.56	3.15
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0445 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.58	3.15
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0446 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.62	3.15
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0447 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.86	3.26
<i>For Work In Restricted Working Space, Add</i>	1.96	
22 07 19 00-0448 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.14	3.37
<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0449 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.29	3.43
<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0450 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.54	3.48
<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0451 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.69	3.48
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0452 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.81	3.59
<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0453 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.37	3.59
<i>For Work In Restricted Working Space, Add</i>	2.17	
22 07 19 00-0454 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.83	3.65
<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0455 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.96	3.76
<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0456 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0457 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.25	3.43
<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0458 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.28	3.43
<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0459 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.35	3.43
<i>For Work In Restricted Working Space, Add</i>	2.07	
22 07 19 00-0460 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.46	3.48
<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0461 LF 3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.60	3.48
<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0462 LF 1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.82	3.59
<i>For Work In Restricted Working Space, Add</i>	2.16	
22 07 19 00-0463 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.07	3.65
<i>For Work In Restricted Working Space, Add</i>	2.19	
22 07 19 00-0464 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.35	3.70
<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-0465 LF 2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.61	3.76
<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0466 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.21	3.87
<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0467 LF 3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.71	3.92
<i>For Work In Restricted Working Space, Add</i>	2.36	
22 07 19 00-0468 LF 4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.64	4.03
<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0469 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0470 LF 1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.01	3.70
<i>For Work In Restricted Working Space, Add</i>	2.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0471 LF 1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.05 2.22	3.70
22 07 19 00-0472 LF 3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.25 2.25	3.76
22 07 19 00-0473 LF 1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.55 2.32	3.87
22 07 19 00-0474 LF 3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.90 2.36	3.92
22 07 19 00-0475 LF 1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.29 2.42	4.03
22 07 19 00-0476 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.81 2.45	4.09
22 07 19 00-0477 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.15 2.47	4.09
22 07 19 00-0478 LF 2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.55 2.49	4.14
22 07 19 00-0479 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.35 2.55	4.25
22 07 19 00-0480 LF 3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.03 2.58	4.31
22 07 19 00-0481 LF 4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.35 2.65	4.42
22 07 19 00-0482 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0483 LF 1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.26 2.45	4.09
22 07 19 00-0484 LF 1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.29 2.45	4.09
22 07 19 00-0485 LF 3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.43 2.49	4.14
22 07 19 00-0486 LF 1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.73 2.55	4.25
22 07 19 00-0487 LF 3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.20 2.58	4.31
22 07 19 00-0488 LF 1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.67 2.65	4.42
22 07 19 00-0489 LF 1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.14 2.72	4.53
22 07 19 00-0490 LF 1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.56 2.75	4.53
22 07 19 00-0491 LF 2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.41 2.78	4.64
22 07 19 00-0492 LF 2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.58 2.85	4.75
22 07 19 00-0493 LF 3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.40 2.89	4.81
22 07 19 00-0494 Flexible Elastomeric Unicellular Insulation (22 07 19)		
Note: 1/2" thick, for refrigeration piping.		
22 07 19 00-0495 LF 1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.39 2.09 -0.59 1.01 1.96	3.48
22 07 19 00-0496 LF 3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.51 2.11 -0.61 1.07 2.07	3.48
22 07 19 00-0497 LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.72 2.16 -0.64 1.12 2.15	3.59
22 07 19 00-0498 LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.95 2.19 -0.68 1.22 2.35	3.65
22 07 19 00-0499 LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.20 2.22 -0.72 1.33 2.55	3.70
22 07 19 00-0500 LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.44 2.25 -0.76 1.45 2.76	3.76

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0501 LF 2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.99	3.87
For Work In Restricted Working Space, Add	2.32	
For 3/8" Thick Covering, Deduct	-0.86	
For 3/4" Thick Covering, Add	1.72	
For 1" Thick Covering, Add	3.25	
22 07 19 00-0502 LF 3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.42	3.92
For Work In Restricted Working Space, Add	2.36	
For 3/8" Thick Covering, Deduct	-0.94	
For 3/4" Thick Covering, Add	1.96	
For 1" Thick Covering, Add	3.69	
22 07 19 00-0503 LF 3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.82	3.98
For Work In Restricted Working Space, Add	2.39	
For 3/8" Thick Covering, Deduct	-1.02	
For 3/4" Thick Covering, Add	2.20	
For 1" Thick Covering, Add	4.11	
22 07 19 00-0504 LF 4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	10.24	4.03
For Work In Restricted Working Space, Add	2.42	
For 3/8" Thick Covering, Deduct	-1.11	
For 3/4" Thick Covering, Add	2.43	
For 1" Thick Covering, Add	4.54	
22 07 19 00-0505 Insulation Foam Rubber (22 07 19)		
22 07 19 00-0506 Covering 4x6 Sheet (22 07 19 00-0505)		
22 07 19 00-0507 SF 1" Thick Foam Rubber Sheet Insulation	18.36	7.47
22 07 19 00-0508 Insulation Protective Jacketing (22 07 19)		
Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0509 Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0508)		
22 07 19 00-0510 SF 0.006" Aluminum Insulation Jacket With Bands Fire Retardant	15.54	6.74
22 07 19 00-0511 SF 0.010" Aluminum Insulation Jacket With Bands Fire Retardant	15.71	6.74
22 07 19 00-0512 SF 0.016" Aluminum Insulation Jacket With Bands Fire Retardant	15.87	6.74
22 07 19 00-0513 SF 0.020" Aluminum Insulation Jacket With Bands Fire Retardant	16.02	6.74
22 07 19 00-0514 SF 0.024" Aluminum Insulation Jacket With Bands Fire Retardant	16.16	6.74
22 07 19 00-0515 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0508)		
22 07 19 00-0516 SF 0.016" Stainless Steel Insulation Jacket With Bands Fire Retardant	23.79	9.47
22 07 19 00-0517 SF 0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant	19.43	7.89
22 07 19 00-0518 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0508)		
22 07 19 00-0519 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0518)		
22 07 19 00-0520 LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.49	1.58
22 07 19 00-0521 LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.88	1.63
22 07 19 00-0522 LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.17	1.68
22 07 19 00-0523 LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.56	1.79
22 07 19 00-0524 LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.96	1.84
22 07 19 00-0525 LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.33	1.89
22 07 19 00-0526 LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.72	2.00
22 07 19 00-0527 LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.22	2.10
22 07 19 00-0528 LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.73	2.21
22 07 19 00-0529 LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.33	2.31
22 07 19 00-0530 LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.61	2.42
22 07 19 00-0531 LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.01	2.47
22 07 19 00-0532 LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.49	2.57
22 07 19 00-0533 LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.67	2.60
22 07 19 00-0534 LF 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.97	2.65
22 07 19 00-0535 LF 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.25	2.71
22 07 19 00-0536 LF 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.83	2.63
22 07 19 00-0537 LF 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.50	2.95
22 07 19 00-0538 LF 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.19	3.08
22 07 19 00-0539 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0518)		
22 07 19 00-0540 LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.05	1.63
22 07 19 00-0541 LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.38	1.68
22 07 19 00-0542 LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.82	1.76
22 07 19 00-0543 LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.25	1.84
22 07 19 00-0544 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.66	1.92
22 07 19 00-0545 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.09	2.00
22 07 19 00-0546 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.62	2.10
22 07 19 00-0547 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.17	2.21
22 07 19 00-0548 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.81	2.36
22 07 19 00-0549 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.13	2.39
22 07 19 00-0550 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.55	2.47
22 07 19 00-0551 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.09	2.57
22 07 19 00-0552 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.31	2.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0553 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.64	2.65
22 07 19 00-0554 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.97	2.71
22 07 19 00-0555 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.61	2.81
22 07 19 00-0556 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.36	2.95
22 07 19 00-0557 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.12	3.08

22 07 19 00-0558 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0519)

22 07 19 00-0559 EA 1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.05	3.16
22 07 19 00-0560 EA 2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.58	3.24
22 07 19 00-0561 EA 2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	14.14	3.34
22 07 19 00-0562 EA 3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	14.88	3.50
22 07 19 00-0563 EA 3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	15.87	3.42
22 07 19 00-0564 EA 4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	16.70	3.81
22 07 19 00-0565 EA 4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	17.72	4.00
22 07 19 00-0566 EA 5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	18.86	4.21
22 07 19 00-0567 EA 5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	20.37	4.42
22 07 19 00-0568 EA 6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	23.29	4.68
22 07 19 00-0569 EA 6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	23.83	4.84
22 07 19 00-0570 EA 7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	25.82	4.95
22 07 19 00-0571 EA 7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	26.55	5.08
22 07 19 00-0572 EA 8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	27.98	5.18
22 07 19 00-0573 EA 8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	29.22	5.26
22 07 19 00-0574 EA 9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	32.79	5.47
22 07 19 00-0575 EA 10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	34.90	5.68
22 07 19 00-0576 EA 11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	37.57	5.92
22 07 19 00-0577 EA 12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	42.69	6.18
22 07 19 00-0578 EA 1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	18.57	4.39
22 07 19 00-0579 EA 2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	19.23	4.52
22 07 19 00-0580 EA 2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	20.51	4.78
22 07 19 00-0581 EA 3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	22.13	5.13
22 07 19 00-0582 EA 3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	24.55	5.55
22 07 19 00-0583 EA 4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	25.51	5.76
22 07 19 00-0584 EA 4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	27.19	6.02
22 07 19 00-0585 EA 5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	28.84	6.28
22 07 19 00-0586 EA 5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	31.64	6.68
22 07 19 00-0587 EA 6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	34.55	7.03
22 07 19 00-0588 EA 6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	36.49	7.13
22 07 19 00-0589 EA 7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	42.53	7.39
22 07 19 00-0590 EA 7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	45.31	7.78
22 07 19 00-0591 EA 8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	47.54	7.94
22 07 19 00-0592 EA 8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	49.70	8.10
22 07 19 00-0593 EA 9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	52.06	8.31
22 07 19 00-0594 EA 10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	55.65	8.76
22 07 19 00-0595 EA 11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	58.66	8.95
22 07 19 00-0596 EA 12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	61.75	9.16

22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.41	3.98
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	3.74	
<i>For ASTM 120, Deduct</i>		
	-0.33	
<i>For Work In Restricted Working Space, Add</i>		
	3.97	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	16.51	4.28
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	4.06	
<i>For ASTM 120, Deduct</i>		
	-0.38	
<i>For Work In Restricted Working Space, Add</i>		
	4.20	
22 11 16 00-0004 LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.65	4.69
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	4.34	
<i>For ASTM 120, Deduct</i>		
	-0.41	
<i>For Work In Restricted Working Space, Add</i>		
	4.49	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.36 4.92 -0.52 4.76	4.88
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.34 5.21 -0.57 4.97	5.78
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.71 6.21 -0.73 5.65	6.98
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.06 8.41 -1.20 6.62	8.26
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.15 10.55 -1.56 8.03	11.06
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.28 13.13 -2.24 8.51	12.15
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.47 16.95 -3.03 10.29	15.53
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	65.57 21.10 -3.99 11.69	18.36
22 11 16 00-0013		Galvanized Steel Pipe And Threaded Fittings (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014		Threaded And Coupled, Galvanized Steel Piping (22 11 16 00-0013) Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015	LF	1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.46 1.29 -0.21 1.81	3.98
22 11 16 00-0016	LF	3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.17 1.48 -0.26 1.93	4.28
22 11 16 00-0017	LF	1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.86 1.60 -0.28 2.09	4.69
22 11 16 00-0018	LF	1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.99 1.99 -0.39 2.21	4.88
22 11 16 00-0019	LF	1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.71 2.33 -0.46 2.60	5.78
22 11 16 00-0020	LF	2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.57 3.01 -0.61 3.15	6.98
22 11 16 00-0021	LF	2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.94 4.36 -0.97 3.74	8.26
22 11 16 00-0022	LF	3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.08 5.73 -1.27 4.98	11.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0023 LF 4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.33 7.62 -1.81 5.48	12.15
22 11 16 00-0024 LF 5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.60 10.17 -2.45 6.98	15.53
22 11 16 00-0025 LF 6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.72 12.93 -3.18 8.25	18.36
22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.53 4.04 8.29 -0.30 7.97	17.74
22 11 16 00-0028 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.07 4.80 9.74 -0.35 8.92	19.83
22 11 16 00-0029 EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.69 9.20 17.26 -0.67 9.96	22.11
22 11 16 00-0030 EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.61 14.39 26.12 -1.05 11.28	25.11
22 11 16 00-0031 EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.62 18.92 33.93 -1.38 12.72	28.29
22 11 16 00-0032 EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.14 27.27 48.45 -2.00 16.15	35.97
22 11 16 00-0033 EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	118.17 78.88 135.61 -5.77 23.91	53.20
22 11 16 00-0034 EA 3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	169.50 132.51 226.07 -9.70 31.46	69.93
22 11 16 00-0035 EA 4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	218.49 229.44 386.92 -16.79 31.97	71.06
22 11 16 00-0036 EA 5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	481.62 759.34 1,266.07 -55.56 33.36	74.17
22 11 16 00-0037 EA 6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	483.77 753.40 1,256.51 -55.13 34.88	77.55
22 11 16 00-0038 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.33 -0.62 6.36	14.15
22 11 16 00-0040 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.22 -0.79 8.08	17.93
22 11 16 00-0041 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.22 -0.79 8.08	17.93
22 11 16 00-0042 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.45 -1.33 11.28	25.11

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0043	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	47.62	25.11
		<i>For ASTM 120, Deduct</i>		-1.50	
		<i>For Work In Restricted Working Space, Add</i>		11.28	
22 11 16 00-0044	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	47.62	25.11
		<i>For ASTM 120, Deduct</i>		-1.50	
		<i>For Work In Restricted Working Space, Add</i>		11.28	
22 11 16 00-0045	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	55.26	28.29
		<i>For ASTM 120, Deduct</i>		-1.93	
		<i>For Work In Restricted Working Space, Add</i>		12.72	
22 11 16 00-0046	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	55.26	28.29
		<i>For ASTM 120, Deduct</i>		-1.93	
		<i>For Work In Restricted Working Space, Add</i>		12.72	
22 11 16 00-0047	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	55.26	28.29
		<i>For ASTM 120, Deduct</i>		-1.93	
		<i>For Work In Restricted Working Space, Add</i>		12.72	
22 11 16 00-0048	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	69.41	35.97
		<i>For ASTM 120, Deduct</i>		-2.34	
		<i>For Work In Restricted Working Space, Add</i>		16.15	
22 11 16 00-0049	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	71.63	35.97
		<i>For ASTM 120, Deduct</i>		-2.67	
		<i>For Work In Restricted Working Space, Add</i>		16.15	
22 11 16 00-0050	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	71.63	35.97
		<i>For ASTM 120, Deduct</i>		-2.67	
		<i>For Work In Restricted Working Space, Add</i>		16.15	
22 11 16 00-0051	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	71.63	35.97
		<i>For ASTM 120, Deduct</i>		-2.67	
		<i>For Work In Restricted Working Space, Add</i>		16.15	
22 11 16 00-0052	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	130.48	53.20
		<i>For ASTM 120, Deduct</i>		-7.62	
		<i>For Work In Restricted Working Space, Add</i>		23.91	
22 11 16 00-0053	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	135.53	53.20
		<i>For ASTM 120, Deduct</i>		-8.38	
		<i>For Work In Restricted Working Space, Add</i>		23.91	
22 11 16 00-0054	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	184.95	69.93
		<i>For ASTM 120, Deduct</i>		-12.01	
		<i>For Work In Restricted Working Space, Add</i>		31.46	
22 11 16 00-0055	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	184.95	69.93
		<i>For ASTM 120, Deduct</i>		-12.01	
		<i>For Work In Restricted Working Space, Add</i>		31.46	
22 11 16 00-0056	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	261.83	71.06
		<i>For ASTM 120, Deduct</i>		-23.29	
		<i>For Work In Restricted Working Space, Add</i>		31.97	
22 11 16 00-0057		Galvanized Malleable Iron 45 Degree Elbow <small>(22 11 16 00-0013)</small>			
22 11 16 00-0058	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	29.64	17.74
		<i>For 225 LB Rating, Add</i>		6.31	
		<i>For 300 LB Rating, Add</i>		12.07	
		<i>For ASTM 120, Deduct</i>		-0.46	
		<i>For Work In Restricted Working Space, Add</i>		7.97	
22 11 16 00-0059	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	34.10	19.83
		<i>For 225 LB Rating, Add</i>		8.96	
		<i>For 300 LB Rating, Add</i>		16.64	
		<i>For ASTM 120, Deduct</i>		-0.66	
		<i>For Work In Restricted Working Space, Add</i>		8.92	
22 11 16 00-0060	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	38.19	22.11
		<i>For 225 LB Rating, Add</i>		10.23	
		<i>For 300 LB Rating, Add</i>		18.96	
		<i>For ASTM 120, Deduct</i>		-0.75	
		<i>For Work In Restricted Working Space, Add</i>		9.96	
22 11 16 00-0061	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	46.76	25.11
		<i>For 225 LB Rating, Add</i>		18.80	
		<i>For 300 LB Rating, Add</i>		33.43	
		<i>For ASTM 120, Deduct</i>		-1.38	
		<i>For Work In Restricted Working Space, Add</i>		11.28	
22 11 16 00-0062	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	53.35	28.29
		<i>For 225 LB Rating, Add</i>		22.47	
		<i>For 300 LB Rating, Add</i>		39.81	
		<i>For ASTM 120, Deduct</i>		-1.64	
		<i>For Work In Restricted Working Space, Add</i>		12.72	
22 11 16 00-0063	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	68.00	35.97
		<i>For 225 LB Rating, Add</i>		29.03	
		<i>For 300 LB Rating, Add</i>		51.37	
		<i>For ASTM 120, Deduct</i>		-2.12	
		<i>For Work In Restricted Working Space, Add</i>		16.15	
22 11 16 00-0064	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	132.20	53.20
		<i>For 225 LB Rating, Add</i>		107.65	
		<i>For 300 LB Rating, Add</i>		183.32	
		<i>For ASTM 120, Deduct</i>		-7.88	
		<i>For Work In Restricted Working Space, Add</i>		23.91	
22 11 16 00-0065	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	.....	185.63	69.93
		<i>For 225 LB Rating, Add</i>		165.58	
		<i>For 300 LB Rating, Add</i>		280.91	
		<i>For ASTM 120, Deduct</i>		-12.12	
		<i>For Work In Restricted Working Space, Add</i>		31.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	234.55	71.06
<i>For 225 LB Rating, Add</i>	262.36	
<i>For 300 LB Rating, Add</i>	441.53	
<i>For ASTM 120, Deduct</i>	-19.20	
<i>For Work In Restricted Working Space, Add</i>	31.97	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	530.50	74.17
<i>For 225 LB Rating, Add</i>	859.54	
<i>For 300 LB Rating, Add</i>	1,432.26	
<i>For ASTM 120, Deduct</i>	-62.89	
<i>For Work In Restricted Working Space, Add</i>	33.36	
22 11 16 00-0068 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	563.62	77.55
<i>For 225 LB Rating, Add</i>	917.09	
<i>For 300 LB Rating, Add</i>	1,528.00	
<i>For ASTM 120, Deduct</i>	-67.10	
<i>For Work In Restricted Working Space, Add</i>	34.88	
22 11 16 00-0069 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070 EA 1/2", 150 LB, Galvanized Malleable Iron Tee.....	35.60	22.11
<i>For 225 LB Rating, Add</i>	4.92	
<i>For 300 LB Rating, Add</i>	10.15	
<i>For ASTM 120, Deduct</i>	-0.36	
<i>For Work In Restricted Working Space, Add</i>	9.96	
22 11 16 00-0071 EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	42.45	25.60
<i>For 225 LB Rating, Add</i>	8.47	
<i>For 300 LB Rating, Add</i>	16.34	
<i>For ASTM 120, Deduct</i>	-0.62	
<i>For Work In Restricted Working Space, Add</i>	11.50	
22 11 16 00-0072 EA 1", 150 LB, Galvanized Malleable Iron Tee.....	52.05	30.18
<i>For 225 LB Rating, Add</i>	13.88	
<i>For 300 LB Rating, Add</i>	25.73	
<i>For ASTM 120, Deduct</i>	-1.02	
<i>For Work In Restricted Working Space, Add</i>	13.58	
22 11 16 00-0073 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee	64.49	35.97
<i>For 225 LB Rating, Add</i>	21.83	
<i>For 300 LB Rating, Add</i>	39.44	
<i>For ASTM 120, Deduct</i>	-1.60	
<i>For Work In Restricted Working Space, Add</i>	16.15	
22 11 16 00-0074 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee	77.57	42.83
<i>For 225 LB Rating, Add</i>	27.27	
<i>For 300 LB Rating, Add</i>	49.08	
<i>For ASTM 120, Deduct</i>	-2.00	
<i>For Work In Restricted Working Space, Add</i>	19.28	
22 11 16 00-0075 EA 2", 150 LB, Galvanized Malleable Iron Tee.....	98.90	53.20
<i>For 225 LB Rating, Add</i>	39.38	
<i>For 300 LB Rating, Add</i>	70.10	
<i>For ASTM 120, Deduct</i>	-2.88	
<i>For Work In Restricted Working Space, Add</i>	23.91	
22 11 16 00-0076 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee	146.27	57.77
<i>For 225 LB Rating, Add</i>	122.28	
<i>For 300 LB Rating, Add</i>	208.01	
<i>For ASTM 120, Deduct</i>	-8.95	
<i>For Work In Restricted Working Space, Add</i>	25.99	
22 11 16 00-0077 EA 3", 150 LB, Galvanized Malleable Iron Tee.....	174.79	69.93
<i>For 225 LB Rating, Add</i>	143.36	
<i>For 300 LB Rating, Add</i>	244.05	
<i>For ASTM 120, Deduct</i>	-10.49	
<i>For Work In Restricted Working Space, Add</i>	31.46	
22 11 16 00-0078 EA 4", 150 LB, Galvanized Malleable Iron Tee.....	299.60	89.79
<i>For 225 LB Rating, Add</i>	338.21	
<i>For 300 LB Rating, Add</i>	569.01	
<i>For ASTM 120, Deduct</i>	-24.75	
<i>For Work In Restricted Working Space, Add</i>	40.39	
22 11 16 00-0079 EA 5", 150 LB, Galvanized Malleable Iron Tee.....	578.47	106.60
<i>For 225 LB Rating, Add</i>	858.15	
<i>For 300 LB Rating, Add</i>	1,432.87	
<i>For ASTM 120, Deduct</i>	-62.79	
<i>For Work In Restricted Working Space, Add</i>	47.96	
22 11 16 00-0080 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	647.29	121.86
<i>For 225 LB Rating, Add</i>	952.43	
<i>For 300 LB Rating, Add</i>	1,590.60	
<i>For ASTM 120, Deduct</i>	-69.69	
<i>For Work In Restricted Working Space, Add</i>	54.81	
22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	38.31	22.11
<i>For 225 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	19.37	
<i>For ASTM 120, Deduct</i>	-0.77	
<i>For Work In Restricted Working Space, Add</i>	9.96	
22 11 16 00-0083 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	44.04	25.60
<i>For 225 LB Rating, Add</i>	11.73	
<i>For 300 LB Rating, Add</i>	21.75	
<i>For ASTM 120, Deduct</i>	-0.86	
<i>For Work In Restricted Working Space, Add</i>	11.50	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0084 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	53.28	30.18
For 225 LB Rating, Add	16.40	
For 300 LB Rating, Add	29.92	
For ASTM 120, Deduct	-1.20	
For Work In Restricted Working Space, Add	13.58	
22 11 16 00-0085 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	66.15	35.97
For 225 LB Rating, Add	25.24	
For 300 LB Rating, Add	45.08	
For ASTM 120, Deduct	-1.85	
For Work In Restricted Working Space, Add	16.15	
22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	79.60	42.83
For 225 LB Rating, Add	31.43	
For 300 LB Rating, Add	55.98	
For ASTM 120, Deduct	-2.30	
For Work In Restricted Working Space, Add	19.28	
22 11 16 00-0087 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	104.50	53.20
For 225 LB Rating, Add	50.86	
For 300 LB Rating, Add	89.14	
For ASTM 120, Deduct	-3.72	
For Work In Restricted Working Space, Add	23.91	
22 11 16 00-0088 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	154.24	57.97
For 225 LB Rating, Add	138.07	
For 300 LB Rating, Add	234.20	
For ASTM 120, Deduct	-10.10	
For Work In Restricted Working Space, Add	26.07	
22 11 16 00-0089 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	197.94	71.03
For 225 LB Rating, Add	187.41	
For 300 LB Rating, Add	317.22	
For ASTM 120, Deduct	-13.71	
For Work In Restricted Working Space, Add	31.96	
22 11 16 00-0090 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	317.15	89.79
For 225 LB Rating, Add	374.19	
For 300 LB Rating, Add	628.68	
For ASTM 120, Deduct	-27.38	
For Work In Restricted Working Space, Add	40.39	
22 11 16 00-0091 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	240.24	106.60
For 225 LB Rating, Add	164.78	
For 300 LB Rating, Add	282.88	
For ASTM 120, Deduct	-12.06	
For Work In Restricted Working Space, Add	47.96	
22 11 16 00-0092 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	682.19	121.86
For 225 LB Rating, Add	1,023.98	
For 300 LB Rating, Add	1,709.26	
For ASTM 120, Deduct	-74.93	
For Work In Restricted Working Space, Add	54.81	
22 11 16 00-0093 Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling.....	29.39	17.74
For 225 LB Rating, Add	5.80	
For 300 LB Rating, Add	11.22	
For ASTM 120, Deduct	-0.42	
For Work In Restricted Working Space, Add	7.97	
22 11 16 00-0095 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling.....	32.99	19.83
For 225 LB Rating, Add	6.68	
For 300 LB Rating, Add	12.87	
For ASTM 120, Deduct	-0.49	
For Work In Restricted Working Space, Add	8.92	
22 11 16 00-0096 EA 1", 150 LB, Galvanized Malleable Iron Coupling.....	38.62	22.11
For 225 LB Rating, Add	11.11	
For 300 LB Rating, Add	20.42	
For ASTM 120, Deduct	-0.81	
For Work In Restricted Working Space, Add	9.96	
22 11 16 00-0097 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	44.92	25.11
For 225 LB Rating, Add	15.03	
For 300 LB Rating, Add	27.18	
For ASTM 120, Deduct	-1.10	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0098 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	50.89	28.29
For 225 LB Rating, Add	17.43	
For 300 LB Rating, Add	31.44	
For ASTM 120, Deduct	-1.28	
For Work In Restricted Working Space, Add	12.72	
22 11 16 00-0099 EA 2", 150 LB, Galvanized Malleable Iron Coupling.....	66.28	35.97
For 225 LB Rating, Add	25.50	
For 300 LB Rating, Add	45.53	
For ASTM 120, Deduct	-1.87	
For Work In Restricted Working Space, Add	16.15	
22 11 16 00-0100 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	114.90	53.20
For 225 LB Rating, Add	72.18	
For 300 LB Rating, Add	124.50	
For ASTM 120, Deduct	-5.28	
For Work In Restricted Working Space, Add	23.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0101 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	152.82	69.93
<i>For 225 LB Rating, Add</i>	98.32	
<i>For 300 LB Rating, Add</i>	169.36	
<i>For ASTM 120, Deduct</i>	-7.19	
<i>For Work In Restricted Working Space, Add</i>	31.46	
22 11 16 00-0102 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	200.33	71.06
<i>For 225 LB Rating, Add</i>	192.21	
<i>For 300 LB Rating, Add</i>	325.18	
<i>For ASTM 120, Deduct</i>	-14.06	
<i>For Work In Restricted Working Space, Add</i>	31.97	
22 11 16 00-0103 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	285.61	74.17
<i>For 225 LB Rating, Add</i>	357.52	
<i>For 300 LB Rating, Add</i>	599.63	
<i>For ASTM 120, Deduct</i>	-26.16	
<i>For Work In Restricted Working Space, Add</i>	33.36	
22 11 16 00-0104 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	330.86	77.55
<i>For 225 LB Rating, Add</i>	439.93	
<i>For 300 LB Rating, Add</i>	736.62	
<i>For ASTM 120, Deduct</i>	-32.19	
<i>For Work In Restricted Working Space, Add</i>	34.88	
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	29.39	17.74
<i>For 225 LB Rating, Add</i>	5.80	
<i>For 300 LB Rating, Add</i>	11.22	
<i>For ASTM 120, Deduct</i>	-0.42	
<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	33.05	19.83
<i>For 225 LB Rating, Add</i>	6.81	
<i>For 300 LB Rating, Add</i>	13.07	
<i>For ASTM 120, Deduct</i>	-0.50	
<i>For Work In Restricted Working Space, Add</i>	8.92	
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	38.37	22.11
<i>For 225 LB Rating, Add</i>	10.60	
<i>For 300 LB Rating, Add</i>	19.57	
<i>For ASTM 120, Deduct</i>	-0.78	
<i>For Work In Restricted Working Space, Add</i>	9.96	
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	44.79	25.11
<i>For 225 LB Rating, Add</i>	14.76	
<i>For 300 LB Rating, Add</i>	26.74	
<i>For ASTM 120, Deduct</i>	-1.08	
<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	51.01	28.29
<i>For 225 LB Rating, Add</i>	17.67	
<i>For 300 LB Rating, Add</i>	31.85	
<i>For ASTM 120, Deduct</i>	-1.29	
<i>For Work In Restricted Working Space, Add</i>	12.72	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	66.28	35.97
<i>For 225 LB Rating, Add</i>	25.50	
<i>For 300 LB Rating, Add</i>	45.53	
<i>For ASTM 120, Deduct</i>	-1.87	
<i>For Work In Restricted Working Space, Add</i>	16.15	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	116.01	53.20
<i>For 225 LB Rating, Add</i>	74.46	
<i>For 300 LB Rating, Add</i>	128.27	
<i>For ASTM 120, Deduct</i>	-5.45	
<i>For Work In Restricted Working Space, Add</i>	23.91	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	153.18	69.93
<i>For 225 LB Rating, Add</i>	99.06	
<i>For 300 LB Rating, Add</i>	170.58	
<i>For ASTM 120, Deduct</i>	-7.25	
<i>For Work In Restricted Working Space, Add</i>	31.46	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	211.10	71.06
<i>For 225 LB Rating, Add</i>	214.29	
<i>For 300 LB Rating, Add</i>	361.80	
<i>For ASTM 120, Deduct</i>	-15.68	
<i>For Work In Restricted Working Space, Add</i>	31.97	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	327.90	74.17
<i>For 225 LB Rating, Add</i>	444.21	
<i>For 300 LB Rating, Add</i>	743.42	
<i>For ASTM 120, Deduct</i>	-32.50	
<i>For Work In Restricted Working Space, Add</i>	33.36	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	372.35	77.55
<i>For 225 LB Rating, Add</i>	524.98	
<i>For 300 LB Rating, Add</i>	877.68	
<i>For ASTM 120, Deduct</i>	-38.41	
<i>For Work In Restricted Working Space, Add</i>	34.88	
22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap.....	14.30	8.26
<i>For 225 LB Rating, Add</i>	3.79	
<i>For 300 LB Rating, Add</i>	7.04	
<i>For ASTM 120, Deduct</i>	-0.28	
<i>For Work In Restricted Working Space, Add</i>	3.74	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap	16.30	8.87
For 225 LB Rating, Add	6.19	
For 300 LB Rating, Add	11.06	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	3.98	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap	18.71	10.26
For 225 LB Rating, Add	6.95	
For 300 LB Rating, Add	12.45	
For ASTM 120, Deduct	-0.51	
For Work In Restricted Working Space, Add	4.60	
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap	20.93	10.76
For 225 LB Rating, Add	9.96	
For 300 LB Rating, Add	17.49	
For ASTM 120, Deduct	-0.73	
For Work In Restricted Working Space, Add	4.82	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap	22.29	10.76
For 225 LB Rating, Add	12.75	
For 300 LB Rating, Add	22.11	
For ASTM 120, Deduct	-0.93	
For Work In Restricted Working Space, Add	4.82	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap	29.25	14.25
For 225 LB Rating, Add	16.03	
For 300 LB Rating, Add	27.87	
For ASTM 120, Deduct	-1.17	
For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap	50.20	17.74
For 225 LB Rating, Add	48.46	
For 300 LB Rating, Add	81.97	
For ASTM 120, Deduct	-3.55	
For Work In Restricted Working Space, Add	7.97	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap	59.77	21.42
For 225 LB Rating, Add	56.66	
For 300 LB Rating, Add	95.90	
For ASTM 120, Deduct	-4.15	
For Work In Restricted Working Space, Add	9.64	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap	96.62	24.39
For 225 LB Rating, Add	123.16	
For 300 LB Rating, Add	206.46	
For ASTM 120, Deduct	-9.01	
For Work In Restricted Working Space, Add	10.96	
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	165.16	30.51
For 225 LB Rating, Add	244.95	
For 300 LB Rating, Add	409.01	
For ASTM 120, Deduct	-17.92	
For Work In Restricted Working Space, Add	13.70	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	261.39	36.26
For 225 LB Rating, Add	424.29	
For 300 LB Rating, Add	706.96	
For ASTM 120, Deduct	-31.05	
For Work In Restricted Working Space, Add	16.33	
22 11 16 00-0129 Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	41.26	22.11
For 225 LB Rating, Add	16.52	
For 300 LB Rating, Add	29.40	
For Work In Restricted Working Space, Add	9.96	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	46.57	25.60
For 225 LB Rating, Add	16.91	
For 300 LB Rating, Add	30.35	
For Work In Restricted Working Space, Add	11.50	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	57.41	30.18
For 225 LB Rating, Add	24.87	
For 300 LB Rating, Add	43.96	
For Work In Restricted Working Space, Add	13.58	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	71.38	35.97
For 225 LB Rating, Add	35.96	
For 300 LB Rating, Add	62.87	
For Work In Restricted Working Space, Add	16.15	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	86.00	42.83
For 225 LB Rating, Add	44.55	
For 300 LB Rating, Add	77.74	
For Work In Restricted Working Space, Add	19.28	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	104.62	53.20
For 225 LB Rating, Add	51.11	
For 300 LB Rating, Add	89.54	
For Work In Restricted Working Space, Add	23.91	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	158.95	57.77
For 225 LB Rating, Add	148.28	
For 300 LB Rating, Add	251.12	
For Work In Restricted Working Space, Add	25.99	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	223.86	69.93
For 225 LB Rating, Add	243.95	
For 300 LB Rating, Add	410.89	
For Work In Restricted Working Space, Add	31.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0138				Galvanized Steel Nipples <small>(22 11 16 00-0013)</small> Note: ASTM A-53.		
22 11 16 00-0139	EA			3/8" x Close, Schedule 40 Galvanized Steel Nipple 14.96		9.46
				For Schedule 80 Nipples, Add	0.83	
				For ASTM 120, Deduct	-0.11	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0140	EA			1/2" x Close, Schedule 40 Galvanized Steel Nipple 14.82		9.46
				For Schedule 80 Nipples, Add	0.67	
				For ASTM 120, Deduct	-0.09	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0141	EA			3/4" x Close, Schedule 40 Galvanized Steel Nipple 14.95		9.46
				For Schedule 80 Nipples, Add	0.82	
				For ASTM 120, Deduct	-0.11	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0142	EA			1" x Close, Schedule 40 Galvanized Steel Nipple 16.30		10.26
				For Schedule 80 Nipples, Add	1.12	
				For ASTM 120, Deduct	-0.15	
				For Work In Restricted Working Space, Add	4.60	
22 11 16 00-0143	EA			1-1/4" x Close, Schedule 40 Galvanized Steel Nipple 17.92		11.06
				For Schedule 80 Nipples, Add	1.50	
				For ASTM 120, Deduct	-0.20	
				For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0144	EA			1-1/2" x Close, Schedule 40 Galvanized Steel Nipple 18.15		11.06
				For Schedule 80 Nipples, Add	1.77	
				For ASTM 120, Deduct	-0.23	
				For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0145	EA			2" x Close, Schedule 40 Galvanized Steel Nipple 23.62		14.25
				For Schedule 80 Nipples, Add	2.50	
				For ASTM 120, Deduct	-0.33	
				For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0146	EA			2-1/2" x Close, Schedule 40 Galvanized Steel Nipple 33.06		17.74
				For Schedule 80 Nipples, Add	7.41	
				For ASTM 120, Deduct	-0.98	
				For Work In Restricted Working Space, Add	7.97	
22 11 16 00-0147	EA			3" x Close, Schedule 40 Galvanized Steel Nipple 39.92		21.42
				For Schedule 80 Nipples, Add	8.88	
				For ASTM 120, Deduct	-1.17	
				For Work In Restricted Working Space, Add	9.64	
22 11 16 00-0148	EA			4" x Close, Schedule 40 Galvanized Steel Nipple 48.22		24.39
				For Schedule 80 Nipples, Add	13.32	
				For ASTM 120, Deduct	-1.75	
				For Work In Restricted Working Space, Add	10.96	
22 11 16 00-0149	EA			3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple 15.07		9.46
				For Schedule 80 Nipples, Add	0.96	
				For ASTM 120, Deduct	-0.13	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0150	EA			1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple 14.85		9.46
				For Schedule 80 Nipples, Add	0.71	
				For ASTM 120, Deduct	-0.09	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0151	EA			3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple 15.01		9.46
				For Schedule 80 Nipples, Add	0.89	
				For ASTM 120, Deduct	-0.12	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0152	EA			3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple 15.07		9.46
				For Schedule 80 Nipples, Add	0.96	
				For ASTM 120, Deduct	-0.13	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0153	EA			1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple 14.85		9.46
				For Schedule 80 Nipples, Add	0.71	
				For ASTM 120, Deduct	-0.09	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0154	EA			3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple 15.01		9.46
				For Schedule 80 Nipples, Add	0.89	
				For ASTM 120, Deduct	-0.12	
				For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0155	EA			1" x 2" Long, Schedule 40 Galvanized Steel Nipple 16.48		10.26
				For Schedule 80 Nipples, Add	1.32	
				For ASTM 120, Deduct	-0.17	
				For Work In Restricted Working Space, Add	4.60	
22 11 16 00-0156	EA			1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple 18.02		11.06
				For Schedule 80 Nipples, Add	1.62	
				For ASTM 120, Deduct	-0.21	
				For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0157	EA			1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple 18.26		11.06
				For Schedule 80 Nipples, Add	1.89	
				For ASTM 120, Deduct	-0.25	
				For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0158	EA			3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple 15.35		9.46
				For Schedule 80 Nipples, Add	1.28	
				For ASTM 120, Deduct	-0.17	
				For Work In Restricted Working Space, Add	4.27	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0159	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.96	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0160	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.09	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0161	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.58	10.26
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0162	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.16	11.06
			<i>For Schedule 80 Nipples, Add</i>	1.78	
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0163	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.45	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0164	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.89	14.25
			<i>For Schedule 80 Nipples, Add</i>	2.80	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0165	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.35	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0166	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	14.96	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0167	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	15.09	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0168	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	16.58	10.26
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0169	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.16	11.06
			<i>For Schedule 80 Nipples, Add</i>	1.78	
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0170	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.45	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0171	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	23.89	14.25
			<i>For Schedule 80 Nipples, Add</i>	2.80	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0172	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	33.31	17.74
			<i>For Schedule 80 Nipples, Add</i>	7.70	
			<i>For ASTM 120, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0173	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	41.00	21.42
			<i>For Schedule 80 Nipples, Add</i>	10.11	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0174	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.56	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0175	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.13	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.03	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0176	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.35	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0177	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.83	10.26
			<i>For Schedule 80 Nipples, Add</i>	1.72	
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0178	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.45	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0179	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.94	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.67	
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For Work In Restricted Working Space, Add</i>	4.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180 EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.42	14.25
For Schedule 80 Nipples, Add	3.41	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0181 EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.40	17.74
For Schedule 80 Nipples, Add	8.94	
For ASTM 120, Deduct	-1.18	
For Work In Restricted Working Space, Add	7.97	
22 11 16 00-0182 EA 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	42.53	21.42
For Schedule 80 Nipples, Add	11.86	
For ASTM 120, Deduct	-1.56	
For Work In Restricted Working Space, Add	9.64	
22 11 16 00-0183 EA 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.56	9.46
For Schedule 80 Nipples, Add	1.52	
For ASTM 120, Deduct	-0.20	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0184 EA 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.13	9.46
For Schedule 80 Nipples, Add	1.03	
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0185 EA 3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.56	9.46
For Schedule 80 Nipples, Add	1.52	
For ASTM 120, Deduct	-0.20	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0186 EA 1" x 4" Long, Schedule 40 Galvanized Steel Nipple	16.83	10.26
For Schedule 80 Nipples, Add	1.72	
For ASTM 120, Deduct	-0.23	
For Work In Restricted Working Space, Add	4.60	
22 11 16 00-0187 EA 1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.45	11.06
For Schedule 80 Nipples, Add	2.11	
For ASTM 120, Deduct	-0.28	
For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0188 EA 1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.94	11.06
For Schedule 80 Nipples, Add	2.67	
For ASTM 120, Deduct	-0.35	
For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0189 EA 2" x 4" Long, Schedule 40 Galvanized Steel Nipple	24.44	14.25
For Schedule 80 Nipples, Add	3.43	
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0190 EA 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	34.40	17.74
For Schedule 80 Nipples, Add	8.94	
For ASTM 120, Deduct	-1.18	
For Work In Restricted Working Space, Add	7.97	
22 11 16 00-0191 EA 3" x 4" Long, Schedule 40 Galvanized Steel Nipple	42.53	21.42
For Schedule 80 Nipples, Add	11.86	
For ASTM 120, Deduct	-1.56	
For Work In Restricted Working Space, Add	9.64	
22 11 16 00-0192 EA 4" x 4" Long, Schedule 40 Galvanized Steel Nipple	50.51	24.39
For Schedule 80 Nipples, Add	15.93	
For ASTM 120, Deduct	-2.10	
For Work In Restricted Working Space, Add	10.96	
22 11 16 00-0193 EA 3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.06	9.46
For Schedule 80 Nipples, Add	2.09	
For ASTM 120, Deduct	-0.27	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0194 EA 1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.32	9.46
For Schedule 80 Nipples, Add	1.24	
For ASTM 120, Deduct	-0.16	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0195 EA 3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.56	9.46
For Schedule 80 Nipples, Add	1.52	
For ASTM 120, Deduct	-0.20	
For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0196 EA 1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.17	10.26
For Schedule 80 Nipples, Add	2.11	
For ASTM 120, Deduct	-0.28	
For Work In Restricted Working Space, Add	4.60	
22 11 16 00-0197 EA 1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.89	11.06
For Schedule 80 Nipples, Add	2.61	
For ASTM 120, Deduct	-0.34	
For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0198 EA 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.43	11.06
For Schedule 80 Nipples, Add	3.23	
For ASTM 120, Deduct	-0.42	
For Work In Restricted Working Space, Add	4.98	
22 11 16 00-0199 EA 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.24	14.25
For Schedule 80 Nipples, Add	4.34	
For ASTM 120, Deduct	-0.57	
For Work In Restricted Working Space, Add	6.43	
22 11 16 00-0200 EA 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.30	17.74
For Schedule 80 Nipples, Add	9.96	
For ASTM 120, Deduct	-1.31	
For Work In Restricted Working Space, Add	7.97	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0201	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	44.26	21.42
			<i>For Schedule 80 Nipples, Add</i>	13.83	
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0202	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	52.20	24.39
			<i>For Schedule 80 Nipples, Add</i>	17.85	
			<i>For ASTM 120, Deduct</i>	-2.35	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0203	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	16.06	9.46
			<i>For Schedule 80 Nipples, Add</i>	2.09	
			<i>For ASTM 120, Deduct</i>	-0.27	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0204	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	15.32	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.24	
			<i>For ASTM 120, Deduct</i>	-0.16	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0205	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	15.56	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0206	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	17.17	10.26
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0207	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	18.89	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0208	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.43	11.06
			<i>For Schedule 80 Nipples, Add</i>	3.23	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0209	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	25.24	14.25
			<i>For Schedule 80 Nipples, Add</i>	4.34	
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0210	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	35.30	17.74
			<i>For Schedule 80 Nipples, Add</i>	9.96	
			<i>For ASTM 120, Deduct</i>	-1.31	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0211	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	44.26	21.42
			<i>For Schedule 80 Nipples, Add</i>	13.83	
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0212	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	52.20	24.39
			<i>For Schedule 80 Nipples, Add</i>	17.85	
			<i>For ASTM 120, Deduct</i>	-2.35	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0213	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	16.26	9.46
			<i>For Schedule 80 Nipples, Add</i>	2.31	
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0214	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	15.46	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.40	
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0215	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	15.83	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.82	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0216	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	17.42	10.26
			<i>For Schedule 80 Nipples, Add</i>	2.39	
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0217	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.26	11.06
			<i>For Schedule 80 Nipples, Add</i>	3.03	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0218	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.79	11.06
			<i>For Schedule 80 Nipples, Add</i>	3.64	
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0219	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	25.86	14.25
			<i>For Schedule 80 Nipples, Add</i>	5.05	
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0220	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	36.16	17.74
			<i>For Schedule 80 Nipples, Add</i>	10.94	
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0221	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	44.95	21.42
			<i>For Schedule 80 Nipples, Add</i>	14.61	
			<i>For ASTM 120, Deduct</i>	-1.92	
			<i>For Work In Restricted Working Space, Add</i>	9.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.86 19.74 -2.60 10.96	24.39
22 11 16 00-0223	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.35 9.26 -1.22 4.27	9.46
22 11 16 00-0224	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.40 2.47 -0.33 4.27	9.46
22 11 16 00-0225	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.01 3.17 -0.42 4.27	9.46
22 11 16 00-0226	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.84 4.01 -0.53 4.60	10.26
22 11 16 00-0227	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.91 4.91 -0.65 4.98	11.06
22 11 16 00-0228	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.55 5.64 -0.74 4.98	11.06
22 11 16 00-0229	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.65 8.23 -1.08 6.43	14.25
22 11 16 00-0230	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.92 14.09 -1.85 7.97	17.74
22 11 16 00-0231	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.41 19.70 -2.59 9.64	21.42
22 11 16 00-0232	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.20 23.55 -3.10 10.96	24.39
22 11 16 00-0233	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.10 4.41 -0.58 4.27	9.46
22 11 16 00-0234	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.81 2.94 -0.39 4.27	9.46
22 11 16 00-0235	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.31 3.51 -0.46 4.27	9.46
22 11 16 00-0236	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.34 4.58 -0.60 4.60	10.26
22 11 16 00-0237	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.76 5.88 -0.77 4.98	11.06
22 11 16 00-0238	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.37 6.58 -0.87 4.98	11.06
22 11 16 00-0239	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.87 9.62 -1.27 6.43	14.25
22 11 16 00-0240	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.65 16.06 -2.11 7.97	17.74
22 11 16 00-0241	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.84 22.47 -2.96 9.64	21.42
22 11 16 00-0242	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.49 27.30 -3.59 10.96	24.39

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	18.52	9.46
			<i>For Schedule 80 Nipples, Add</i>	4.89	
			<i>For ASTM 120, Deduct</i>	-0.64	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0244	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	17.16	9.46
			<i>For Schedule 80 Nipples, Add</i>	3.34	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0245	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	17.69	9.46
			<i>For Schedule 80 Nipples, Add</i>	3.94	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 11 16 00-0246	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	20.00	10.26
			<i>For Schedule 80 Nipples, Add</i>	5.34	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
22 11 16 00-0247	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	22.79	11.06
			<i>For Schedule 80 Nipples, Add</i>	7.06	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0248	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	23.20	11.06
			<i>For Schedule 80 Nipples, Add</i>	7.52	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
22 11 16 00-0249	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.12	14.25
			<i>For Schedule 80 Nipples, Add</i>	11.05	
			<i>For ASTM 120, Deduct</i>	-1.45	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0250	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	42.33	17.74
			<i>For Schedule 80 Nipples, Add</i>	17.98	
			<i>For ASTM 120, Deduct</i>	-2.37	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0251	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	54.29	21.42
			<i>For Schedule 80 Nipples, Add</i>	25.26	
			<i>For ASTM 120, Deduct</i>	-3.32	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0252	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	63.80	24.39
			<i>For Schedule 80 Nipples, Add</i>	31.08	
			<i>For ASTM 120, Deduct</i>	-4.09	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0253			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0254	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	13.62	7.07
			<i>For 225 LB Rating, Add</i>	6.19	
			<i>For 300 LB Rating, Add</i>	10.90	
			<i>For Work In Restricted Working Space, Add</i>	3.18	
22 11 16 00-0255	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	17.00	7.07
			<i>For 225 LB Rating, Add</i>	13.12	
			<i>For 300 LB Rating, Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	3.18	
22 11 16 00-0256	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	22.41	10.76
			<i>For 225 LB Rating, Add</i>	13.00	
			<i>For 300 LB Rating, Add</i>	22.52	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0257	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	24.01	10.76
			<i>For 225 LB Rating, Add</i>	16.28	
			<i>For 300 LB Rating, Add</i>	27.96	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0258	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	26.47	10.76
			<i>For 225 LB Rating, Add</i>	21.32	
			<i>For 300 LB Rating, Add</i>	36.32	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 11 16 00-0259	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	36.45	14.25
			<i>For 225 LB Rating, Add</i>	30.79	
			<i>For 300 LB Rating, Add</i>	52.35	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0260	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	47.68	17.74
			<i>For 225 LB Rating, Add</i>	43.30	
			<i>For 300 LB Rating, Add</i>	73.40	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
22 11 16 00-0261	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	66.11	21.42
			<i>For 225 LB Rating, Add</i>	69.66	
			<i>For 300 LB Rating, Add</i>	117.46	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0262	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	76.12	24.39
			<i>For 225 LB Rating, Add</i>	81.14	
			<i>For 300 LB Rating, Add</i>	136.76	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0263	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	116.22	30.51
			<i>For 225 LB Rating, Add</i>	144.63	
			<i>For 300 LB Rating, Add</i>	242.61	
			<i>For Work In Restricted Working Space, Add</i>	13.70	



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	Plumbing Piping	22 10
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 225 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.56 182.74 306.34 16.33	36.26
22 11 16 00-0265			125 LB, Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0266	EA		1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	122.09 20.26	45.02
22 11 16 00-0267	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	132.50 20.97	46.62
22 11 16 00-0268	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	141.61 22.81	50.71
22 11 16 00-0269	EA		2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	137.02 23.81	52.90
22 11 16 00-0270	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	159.28 27.54	61.26
22 11 16 00-0271	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	198.45 34.94	77.70
22 11 16 00-0272	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	257.75 43.84	97.47
22 11 16 00-0273	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	306.92 52.19	116.01
22 11 16 00-0274	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	361.78 59.95	133.27
22 11 16 00-0275			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0276	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.46 9.74	
22 11 16 00-0277	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	35.71 10.71	
22 11 16 00-0278	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.97 11.69	
22 11 16 00-0279	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	42.21 12.66	
22 11 16 00-0280	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	44.37 13.31	
22 11 16 00-0281	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.54 13.96	
22 11 16 00-0282	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	48.71 14.61	
22 11 16 00-0283	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	50.87 15.26	
22 11 16 00-0284	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	53.03 15.91	
22 11 16 00-0285			Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0641 for pipe with fittings assembly.		
22 11 16 00-0286			Copper Tube/Pipe (22 11 16 00-0285) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0287			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0288	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.48 0.07 1.10	2.43
22 11 16 00-0289	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.06 0.10 1.14	2.53
22 11 16 00-0290	LF		1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.51 0.12 1.19	2.64
22 11 16 00-0291	LF		3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.58 0.19 1.26	2.80
22 11 16 00-0292	LF		1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.14 0.27 1.42	3.15
22 11 16 00-0293	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.81 0.38 2.11	4.68
22 11 16 00-0294	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.58 0.54 2.35	5.23
22 11 16 00-0295	LF		2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.74 1.13 2.90	6.45
22 11 16 00-0296	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.61 1.56 7.25	8.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0297 LF 3" Hard Drawn Type L Copper Tube/Pipe.....	50.96	8.94
For Medical/Oxygen Service Tubing, Add	1.93	
For Work In Restricted Working Space, Add	8.04	
22 11 16 00-0298 LF 4" Hard Drawn Type L Copper Tube/Pipe.....	68.93	10.08
For Medical/Oxygen Service Tubing, Add	3.10	
For Work In Restricted Working Space, Add	9.07	
22 11 16 00-0299 LF 5" Hard Drawn Type L Copper Tube/Pipe.....	141.92	11.57
For Medical/Oxygen Service Tubing, Add	8.58	
For Work In Restricted Working Space, Add	10.42	
22 11 16 00-0300 LF 6" Hard Drawn Type L Copper Tube/Pipe.....	175.78	17.94
For Medical/Oxygen Service Tubing, Add	9.76	
For Work In Restricted Working Space, Add	16.14	
22 11 16 00-0301 LF 8" Hard Drawn Type L Copper Tube/Pipe.....	280.36	19.94
For Medical/Oxygen Service Tubing, Add	17.65	
For Work In Restricted Working Space, Add	17.94	
22 11 16 00-0302 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0303 LF 1/4" Hard Drawn Type K Copper Tube/Pipe.....	4.88	2.61
For Medical/Oxygen Service Tubing, Add	0.08	
For Work In Restricted Working Space, Add	1.18	
22 11 16 00-0304 LF 3/8" Hard Drawn Type K Copper Tube/Pipe.....	6.19	3.00
For Medical/Oxygen Service Tubing, Add	0.14	
For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0305 LF 1/2" Hard Drawn Type K Copper Tube/Pipe.....	6.24	2.91
For Medical/Oxygen Service Tubing, Add	0.15	
For Work In Restricted Working Space, Add	1.31	
22 11 16 00-0306 LF 3/4" Hard Drawn Type K Copper Tube/Pipe.....	8.43	3.38
For Medical/Oxygen Service Tubing, Add	0.27	
For Work In Restricted Working Space, Add	1.52	
22 11 16 00-0307 LF 1" Hard Drawn Type K Copper Tube/Pipe.....	9.77	3.60
For Medical/Oxygen Service Tubing, Add	0.35	
For Work In Restricted Working Space, Add	1.62	
22 11 16 00-0308 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	10.15	5.10
For Medical/Oxygen Service Tubing, Add	0.20	
For Work In Restricted Working Space, Add	2.29	
22 11 16 00-0309 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	16.65	5.73
For Medical/Oxygen Service Tubing, Add	0.64	
For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0310 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	27.08	7.02
For Medical/Oxygen Service Tubing, Add	1.32	
For Work In Restricted Working Space, Add	3.16	
22 11 16 00-0311 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	49.33	17.58
For Medical/Oxygen Service Tubing, Add	1.84	
For Work In Restricted Working Space, Add	7.91	
22 11 16 00-0312 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	58.51	19.66
For Medical/Oxygen Service Tubing, Add	2.32	
For Work In Restricted Working Space, Add	8.84	
22 11 16 00-0313 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	80.25	22.28
For Medical/Oxygen Service Tubing, Add	3.75	
For Work In Restricted Working Space, Add	10.02	
22 11 16 00-0314 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	175.65	26.29
For Medical/Oxygen Service Tubing, Add	10.90	
For Work In Restricted Working Space, Add	11.83	
22 11 16 00-0315 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	229.79	42.39
For Medical/Oxygen Service Tubing, Add	13.30	
For Work In Restricted Working Space, Add	19.06	
22 11 16 00-0316 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	366.03	46.70
For Medical/Oxygen Service Tubing, Add	23.68	
For Work In Restricted Working Space, Add	21.01	
22 11 16 00-0317 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0318 LF 1/4" Hard Drawn Type M Copper Tube/Pipe.....	3.88	2.10
For Work In Restricted Working Space, Add	0.95	
22 11 16 00-0319 LF 3/8" Hard Drawn Type M Copper Tube/Pipe.....	3.96	2.02
For Work In Restricted Working Space, Add	0.91	
22 11 16 00-0320 LF 1/2" Hard Drawn Type M Copper Tube/Pipe.....	4.24	2.09
For Work In Restricted Working Space, Add	0.94	
22 11 16 00-0321 LF 3/4" Hard Drawn Type M Copper Tube/Pipe.....	5.05	2.22
For Work In Restricted Working Space, Add	1.00	
22 11 16 00-0322 LF 1" Hard Drawn Type M Copper Tube/Pipe.....	6.15	2.48
For Work In Restricted Working Space, Add	1.12	
22 11 16 00-0323 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	9.42	3.82
For Work In Restricted Working Space, Add	1.72	
22 11 16 00-0324 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	12.15	4.38
For Work In Restricted Working Space, Add	1.97	
22 11 16 00-0325 LF 2" Hard Drawn Type M Copper Tube/Pipe.....	19.89	5.44
For Work In Restricted Working Space, Add	2.45	
22 11 16 00-0326 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	37.89	14.65
For Work In Restricted Working Space, Add	6.59	
22 11 16 00-0327 LF 3" Hard Drawn Type M Copper Tube/Pipe.....	43.63	16.12
For Work In Restricted Working Space, Add	7.25	
22 11 16 00-0328 LF 4" Hard Drawn Type M Copper Tube/Pipe.....	61.73	18.81
For Work In Restricted Working Space, Add	8.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0329	LF		5" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	126.38 9.77	21.71
	22 11 16 00-0330	LF		6" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	157.09 15.12	33.63
	22 11 16 00-0331	LF		8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	244.04 16.64	36.99
22 11 16 00-0332	Soft Drawn Type L Copper Tube (22 11 16 00-0286)					
	22 11 16 00-0333	LF		1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.55 1.10	0.27
	22 11 16 00-0334	LF		3/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.20 1.14	2.53
	22 11 16 00-0335	LF		1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.78 1.19	2.64
	22 11 16 00-0336	LF		5/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.51 1.22	2.72
	22 11 16 00-0337	LF		3/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.99 1.26	2.80
	22 11 16 00-0338	LF		1" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	8.72 1.42	3.15
	22 11 16 00-0339	LF		1-1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	13.08 2.11	4.68
	22 11 16 00-0340	LF		1-1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	15.60 2.35	5.23
	22 11 16 00-0341	LF		2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	22.38 2.90	6.45
22 11 16 00-0342	Soft Drawn Type K Copper Tube (22 11 16 00-0286)					
	22 11 16 00-0343	LF		1/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.72 1.10	0.27
	22 11 16 00-0344	LF		3/8" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.73 1.14	2.53
	22 11 16 00-0345	LF		1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.12 1.19	2.64
	22 11 16 00-0346	LF		5/8" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.85 1.22	2.72
	22 11 16 00-0347	LF		3/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	8.02 1.26	2.80
	22 11 16 00-0348	LF		1" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	9.81 1.42	3.15
	22 11 16 00-0349	LF		1-1/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	13.89 2.11	4.68
	22 11 16 00-0350	LF		1-1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	16.85 2.35	5.23
	22 11 16 00-0351	LF		2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	24.04 2.90	6.45
	22 11 16 00-0352	LF		2-1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	28.85 3.48	7.74
	22 11 16 00-0353	LF		3" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	37.81 4.11	9.13
22 11 16 00-0354	Copper And Brass Fittings (22 11 16 00-0285)					
	Note: All fittings are based on 95/5 solder.					
22 11 16 00-0355	90 Degree Copper And Brass Elbows (22 11 16 00-0354)					
	22 11 16 00-0356	EA		1/4" Or 3/8" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.64 3.30 -2.21 3.25 0.40 6.50	14.39
	22 11 16 00-0357	EA		1/2" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.05 5.37 -3.59 5.36 0.14 10.71	23.81
	22 11 16 00-0358	EA		3/4" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.10 6.69 -4.47 6.66 0.29 13.31	29.65
	22 11 16 00-0359	EA		1" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.85 8.05 -5.39 7.95 0.73 15.91	35.39

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0360 EA 1-1/4" 90 Degree Copper Elbow	60.12	38.31
For Silver Solder Instead Of 95/5 Solder, Add	8.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.87	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.60	
For Street Fitting, Add	1.10	
For Work In Restricted Working Space, Add	17.21	
22 11 16 00-0361 EA 1-1/2" 90 Degree Copper Elbow	67.07	41.88
For Silver Solder Instead Of 95/5 Solder, Add	9.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Street Fitting, Add	1.72	
For Work In Restricted Working Space, Add	18.83	
22 11 16 00-0362 EA 2" 90 Degree Copper Elbow	78.17	46.97
For Silver Solder Instead Of 95/5 Solder, Add	10.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.55	
For Street Fitting, Add	3.13	
For Work In Restricted Working Space, Add	21.11	
22 11 16 00-0363 EA 2-1/2" 90 Degree Copper Elbow	86.62	47.82
For Silver Solder Instead Of 95/5 Solder, Add	11.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.76	
For Work In Restricted Working Space, Add	21.52	
22 11 16 00-0364 EA 3" 90 Degree Copper Elbow	106.54	57.18
For Silver Solder Instead Of 95/5 Solder, Add	13.89	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.85	
For Work In Restricted Working Space, Add	25.70	
22 11 16 00-0365 EA 4" 90 Degree Copper Elbow	175.02	81.09
For Silver Solder Instead Of 95/5 Solder, Add	20.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.23	
For Work In Restricted Working Space, Add	36.46	
22 11 16 00-0366 EA 5" 90 Degree Copper Elbow	363.21	110.97
For Silver Solder Instead Of 95/5 Solder, Add	34.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.95	
For Work In Restricted Working Space, Add	49.91	
22 11 16 00-0367 EA 6" 90 Degree Copper Elbow	517.05	161.48
For Silver Solder Instead Of 95/5 Solder, Add	50.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	36.31	
For Work In Restricted Working Space, Add	72.62	
22 11 16 00-0368 EA 8" 90 Degree Copper Elbow	913.80	215.27
For Silver Solder Instead Of 95/5 Solder, Add	77.97	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-61.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	48.41	
For Work In Restricted Working Space, Add	96.83	
22 11 16 00-0369 EA 1/2" Drop Ear 90 Degree Brass Elbow	38.03	23.81
For Silver Solder Instead Of 95/5 Solder, Add	5.47	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.36	
For Work In Restricted Working Space, Add	10.71	
22 11 16 00-0370 EA 3/4" Drop Ear 90 Degree Brass Elbow	46.69	29.65
For Silver Solder Instead Of 95/5 Solder, Add	6.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.31	
22 11 16 00-0371 EA 1" Drop Ear 90 Degree Brass Elbow	59.68	35.39
For Silver Solder Instead Of 95/5 Solder, Add	8.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
For Work In Restricted Working Space, Add	15.91	
22 11 16 00-0372 EA 1/2" Flanged Sink 90 Degree Brass Elbow	37.83	23.81
For Silver Solder Instead Of 95/5 Solder, Add	5.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.36	
For Work In Restricted Working Space, Add	10.71	
22 11 16 00-0373 EA 3/4" Flanged Sink 90 Degree Brass Elbow	48.70	29.65
For Silver Solder Instead Of 95/5 Solder, Add	6.87	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.31	
22 11 16 00-0374 45 Degree Copper Elbows (22 11 16 00-0354)		
22 11 16 00-0375 EA 1/4" Or 3/8" 45 Degree Copper Elbow	23.23	14.39
For Silver Solder Instead Of 95/5 Solder, Add	3.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.25	
For Street Fitting, Add	0.63	
For Work In Restricted Working Space, Add	6.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0376	EA	1/2"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	36.32 5.39 -3.60 5.36 0.24 10.71	23.81
22 11 16 00-0377	EA	3/4"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	45.43 6.71 -4.49 6.66 0.42 13.31	29.65
22 11 16 00-0378	EA	1"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	55.70 8.09 -5.44 7.95 1.07 15.91	35.39
22 11 16 00-0379	EA	1-1/4"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	60.97 8.78 -5.92 8.60 1.44 17.21	38.31
22 11 16 00-0380	EA	1-1/2"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	67.10 9.63 -6.49 9.42 1.73 18.83	41.88
22 11 16 00-0381	EA	2"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	77.61 10.92 -7.40 10.55 21.11	46.97
22 11 16 00-0382	EA	2-1/2"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	87.18 11.53 -7.95 10.76 21.52	47.82
22 11 16 00-0383	EA	3"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	108.59 14.00 -9.71 12.85 25.70	57.18
22 11 16 00-0384	EA	4"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	170.39 20.67 -14.60 18.23 36.46	81.09
22 11 16 00-0385	EA	5"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	355.21 34.40 -26.08 24.95 49.91	110.97
22 11 16 00-0386	EA	6"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	525.66 50.49 -38.39 36.31 72.62	161.48
22 11 16 00-0387	EA	8"		45 Degree Copper Elbow For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	852.49 74.90 -58.76 48.41 96.83	215.27
22 11 16 00-0388 Straight Copper And Brass Tees (22 11 16 00-0354)						
22 11 16 00-0389	EA	1/4"		Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	28.16 4.01 -2.71 3.90 7.79	17.32
22 11 16 00-0390	EA	3/8"		Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	40.65 5.93 -3.98 5.85 11.69	25.97
22 11 16 00-0391	EA	1/2"		Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	54.67 8.14 -5.44 8.12 16.23	36.15

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0392 EA 3/4" Straight Copper Tee	68.47	44.81
For Silver Solder Instead Of 95/5 Solder, Add	10.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.07	
For Work In Restricted Working Space, Add	20.13	
22 11 16 00-0393 EA 1" Straight Copper Tee	84.29	53.46
For Silver Solder Instead Of 95/5 Solder, Add	12.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.01	
For Work In Restricted Working Space, Add	24.03	
22 11 16 00-0394 EA 1-1/4" Straight Copper Tee	92.96	57.79
For Silver Solder Instead Of 95/5 Solder, Add	13.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.99	
For Work In Restricted Working Space, Add	25.97	
22 11 16 00-0395 EA 1-1/2" Straight Copper Tee	103.02	62.77
For Silver Solder Instead Of 95/5 Solder, Add	14.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.12	
For Work In Restricted Working Space, Add	28.25	
22 11 16 00-0396 EA 2" Straight Copper Tee	119.88	70.78
For Silver Solder Instead Of 95/5 Solder, Add	16.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.91	
For Work In Restricted Working Space, Add	31.82	
22 11 16 00-0397 EA 2-1/2" Straight Copper Tee	135.46	71.72
For Silver Solder Instead Of 95/5 Solder, Add	17.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.14	
For Work In Restricted Working Space, Add	32.27	
22 11 16 00-0398 EA 3" Straight Copper Tee	172.03	86.37
For Silver Solder Instead Of 95/5 Solder, Add	21.55	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.43	
For Work In Restricted Working Space, Add	38.85	
22 11 16 00-0399 EA 4" Straight Copper Tee	284.04	120.94
For Silver Solder Instead Of 95/5 Solder, Add	32.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.20	
For Work In Restricted Working Space, Add	54.39	
22 11 16 00-0400 EA 5" Straight Copper Tee	567.94	165.46
For Silver Solder Instead Of 95/5 Solder, Add	53.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-40.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.21	
For Work In Restricted Working Space, Add	74.42	
22 11 16 00-0401 EA 6" Straight Copper Tee	800.98	242.57
For Silver Solder Instead Of 95/5 Solder, Add	76.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	54.54	
For Work In Restricted Working Space, Add	109.08	
22 11 16 00-0402 EA 8" Straight Copper Tee	1,423.99	322.95
For Silver Solder Instead Of 95/5 Solder, Add	119.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-95.41	
For Brazed Fittings Instead Of 95/5 Solder, Add	72.62	
For Work In Restricted Working Space, Add	145.24	
22 11 16 00-0403 EA 1/2" Drop Ear Brass Tee	56.18	36.15
For Silver Solder Instead Of 95/5 Solder, Add	8.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.12	
For Work In Restricted Working Space, Add	16.23	
22 11 16 00-0404 Reducing Copper Tees (22 11 16 00-0354)		
22 11 16 00-0405 EA 3/8" Reducing Copper Tee.....	37.96	23.06
For Silver Solder Instead Of 95/5 Solder, Add	5.36	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
For Work In Restricted Working Space, Add	10.39	
22 11 16 00-0406 EA 1/2" Reducing Copper Tee.....	51.61	32.46
For Silver Solder Instead Of 95/5 Solder, Add	7.45	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.02	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.31	
For Work In Restricted Working Space, Add	14.61	
22 11 16 00-0407 EA 3/4" Reducing Copper Tee.....	64.09	41.88
For Silver Solder Instead Of 95/5 Solder, Add	9.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.42	
For Work In Restricted Working Space, Add	18.83	
22 11 16 00-0408 EA 1" Reducing Copper Tee.....	79.96	50.55
For Silver Solder Instead Of 95/5 Solder, Add	11.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.36	
For Work In Restricted Working Space, Add	22.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0409	EA		1-1/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.47 12.65 -8.54 12.34 24.68	54.87
22 11 16 00-0410	EA		1-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.44 13.81 -9.31 13.48 26.95	59.96
22 11 16 00-0411	EA		2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.07 15.62 -10.59 15.10 30.20	67.10
22 11 16 00-0412	EA		2-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.08 17.16 -11.98 15.54 31.08	69.14
22 11 16 00-0413	EA		3" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.31 19.72 -13.74 17.93 35.86	79.69
22 11 16 00-0414			Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0415	EA		1/4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.57 2.61 -1.74 2.60 5.20	11.58
22 11 16 00-0416	EA		3/8" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.29 3.91 -2.61 3.90 7.79	17.32
22 11 16 00-0417	EA		1/2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.03 5.37 -3.59 5.36 10.71	23.81
22 11 16 00-0418	EA		3/4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.87 6.68 -4.46 6.66 13.31	29.65
22 11 16 00-0419	EA		1" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.05 8.01 -5.35 7.95 15.91	35.39
22 11 16 00-0420	EA		1-1/4" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.15 8.69 -5.83 8.60 17.21	38.31
22 11 16 00-0421	EA		1-1/2" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.13 9.53 -6.40 9.42 18.83	41.88
22 11 16 00-0422	EA		2" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.27 10.75 -7.23 10.55 21.11	46.54
22 11 16 00-0423	EA		2-1/2" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.08 10.58 -7.19 10.16 20.32	45.23
22 11 16 00-0424	EA		3" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.21 12.88 -8.79 12.25 24.50	54.79
22 11 16 00-0425	EA		4" Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.62 17.69 -12.21 16.44 32.87	73.72

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0426 EA 5" Copper Coupling.....	207.96	134.48
For Silver Solder Instead Of 95/5 Solder, Add	25.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.87	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.41	
For Work In Restricted Working Space, Add	44.83	
22 11 16 00-0427 EA 6" Copper Coupling.....	310.81	146.13
For Silver Solder Instead Of 95/5 Solder, Add	37.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	32.87	
For Work In Restricted Working Space, Add	65.75	
22 11 16 00-0428 EA 8" Copper Coupling.....	455.78	193.75
For Silver Solder Instead Of 95/5 Solder, Add	51.88	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	43.63	
For Work In Restricted Working Space, Add	87.26	
22 11 16 00-0429 Reducing Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0430 EA 3/8" Reducing Copper Coupling.....	22.38	14.39
For Silver Solder Instead Of 95/5 Solder, Add	3.28	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.20	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.25	
For Work In Restricted Working Space, Add	6.50	
22 11 16 00-0431 EA 1/2" Reducing Copper Coupling.....	31.45	20.56
For Silver Solder Instead Of 95/5 Solder, Add	4.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.63	
For Work In Restricted Working Space, Add	9.26	
22 11 16 00-0432 EA 3/4" Reducing Copper Coupling.....	40.95	26.74
For Silver Solder Instead Of 95/5 Solder, Add	6.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.01	
For Work In Restricted Working Space, Add	12.01	
22 11 16 00-0433 EA 1" Reducing Copper Coupling.....	50.16	32.46
For Silver Solder Instead Of 95/5 Solder, Add	7.38	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.31	
For Work In Restricted Working Space, Add	14.61	
22 11 16 00-0434 EA 1-1/4" Reducing Copper Coupling.....	57.71	36.80
For Silver Solder Instead Of 95/5 Solder, Add	8.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.28	
For Work In Restricted Working Space, Add	16.56	
22 11 16 00-0435 EA 1-1/2" Reducing Copper Coupling.....	63.38	40.04
For Silver Solder Instead Of 95/5 Solder, Add	9.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.01	
For Work In Restricted Working Space, Add	18.02	
22 11 16 00-0436 EA 2" Reducing Copper Coupling.....	72.77	44.37
For Silver Solder Instead Of 95/5 Solder, Add	10.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.98	
For Work In Restricted Working Space, Add	19.97	
22 11 16 00-0437 EA 2-1/2" Reducing Copper Coupling.....	80.86	45.53
For Silver Solder Instead Of 95/5 Solder, Add	10.87	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.24	
For Work In Restricted Working Space, Add	20.47	
22 11 16 00-0438 EA 3" Reducing Copper Coupling.....	94.84	52.80
For Silver Solder Instead Of 95/5 Solder, Add	12.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.81	
For Work In Restricted Working Space, Add	23.61	
22 11 16 00-0439 EA 4" Reducing Copper Coupling.....	135.29	69.14
For Silver Solder Instead Of 95/5 Solder, Add	17.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.54	
For Work In Restricted Working Space, Add	31.08	
22 11 16 00-0440 EA 5" Reducing Copper Coupling.....	211.08	96.32
For Silver Solder Instead Of 95/5 Solder, Add	25.00	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.67	
For Work In Restricted Working Space, Add	43.33	
22 11 16 00-0441 EA 6" Reducing Copper Coupling.....	307.88	129.50
For Silver Solder Instead Of 95/5 Solder, Add	34.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	29.14	
For Work In Restricted Working Space, Add	58.27	
22 11 16 00-0442 EA 8" Reducing Copper Coupling.....	470.02	188.70
For Silver Solder Instead Of 95/5 Solder, Add	51.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	42.44	
For Work In Restricted Working Space, Add	84.87	
22 11 16 00-0443 Male Copper Adapters (22 11 16 00-0354)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0444	EA		1/4" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.08 3.37 -2.29 3.25 6.50	14.07
22 11 16 00-0445	EA		3/8" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.68 3.98 -2.68 3.90 7.79	17.32
22 11 16 00-0446	EA		1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.16 4.90 -3.28 4.87 9.74	21.65
22 11 16 00-0447	EA		3/4" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.19 6.06 -4.06 6.01 12.01	27.06
22 11 16 00-0448	EA		1" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.55 7.13 -4.80 6.98 13.96	31.39
22 11 16 00-0449	EA		1-1/4" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.54 8.34 -5.63 8.12 16.23	35.71
22 11 16 00-0450	EA		1-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.77 9.51 -6.42 9.25 18.51	41.13
22 11 16 00-0451	EA		2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.62 12.28 -8.33 11.85 23.70	52.50
22 11 16 00-0452	EA		2-1/2" Male Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.22 16.64 -11.55 15.26 30.52	68.19
22 11 16 00-0453			Female Copper Adapters (22 11 16 00-0354)		
22 11 16 00-0454	EA		3/8" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.27 4.01 -2.71 3.90 7.79	17.32
22 11 16 00-0455	EA		1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.55 4.92 -3.30 4.87 9.74	21.65
22 11 16 00-0456	EA		3/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.54 6.08 -4.08 6.01 12.01	27.06
22 11 16 00-0457	EA		1" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.03 7.16 -4.83 6.98 13.96	31.39
22 11 16 00-0458	EA		1-1/4" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.19 8.37 -5.67 8.12 16.23	35.71
22 11 16 00-0459	EA		1-1/2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.66 9.65 -6.57 9.25 18.51	41.13
22 11 16 00-0460	EA		2" Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.82 12.39 -8.44 11.85 23.70	52.50

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0461 EA 2-1/2" Female Copper Adapter	126.42	62.76
For Silver Solder Instead Of 95/5 Solder, Add	15.69	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.00	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.05	
For Work In Restricted Working Space, Add	28.09	
22 11 16 00-0462 EA 3" Female Copper Adapter	182.64	90.90
For Silver Solder Instead Of 95/5 Solder, Add	22.68	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.32	
For Work In Restricted Working Space, Add	40.64	
22 11 16 00-0463 Copper To Copper Unions (22 11 16 00-0354)		
22 11 16 00-0464 EA 1/4" Or 3/8" Copper To Copper Union	36.25	20.89
For Silver Solder Instead Of 95/5 Solder, Add	4.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.38	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.71	
For Work In Restricted Working Space, Add	9.42	
22 11 16 00-0465 EA 1/2" Copper To Copper Union	42.28	25.97
For Silver Solder Instead Of 95/5 Solder, Add	6.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.85	
For Work In Restricted Working Space, Add	11.69	
22 11 16 00-0466 EA 3/4" Copper To Copper Union	48.71	29.65
For Silver Solder Instead Of 95/5 Solder, Add	6.87	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
For Work In Restricted Working Space, Add	13.31	
22 11 16 00-0467 EA 1" Copper To Copper Union	60.59	35.39
For Silver Solder Instead Of 95/5 Solder, Add	8.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.95	
For Work In Restricted Working Space, Add	15.91	
22 11 16 00-0468 EA 1-1/4" Copper To Copper Union	70.72	38.97
For Silver Solder Instead Of 95/5 Solder, Add	9.38	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.77	
For Work In Restricted Working Space, Add	17.54	
22 11 16 00-0469 EA 1-1/2" Copper To Copper Union	82.70	43.29
For Silver Solder Instead Of 95/5 Solder, Add	10.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.38	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.74	
For Work In Restricted Working Space, Add	19.48	
22 11 16 00-0470 EA 2" Copper To Copper Union	107.79	51.95
For Silver Solder Instead Of 95/5 Solder, Add	13.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.69	
For Work In Restricted Working Space, Add	23.38	
22 11 16 00-0471 EA 2-1/2" Copper To Copper Union	163.87	57.18
For Silver Solder Instead Of 95/5 Solder, Add	16.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.85	
For Work In Restricted Working Space, Add	25.70	
22 11 16 00-0472 EA 3" Copper To Copper Union	323.75	81.09
For Silver Solder Instead Of 95/5 Solder, Add	28.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.23	
For Work In Restricted Working Space, Add	36.46	
22 11 16 00-0473 Copper Caps (22 11 16 00-0354)		
22 11 16 00-0474 EA 1/4" Or 3/8" Copper Cap	4.46	2.74
For Silver Solder Instead Of 95/5 Solder, Add	0.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.61	
For Work In Restricted Working Space, Add	1.22	
22 11 16 00-0475 EA 1/2" Copper Cap	4.84	3.11
For Silver Solder Instead Of 95/5 Solder, Add	0.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.69	
For Work In Restricted Working Space, Add	1.38	
22 11 16 00-0476 EA 3/4" Copper Cap	6.18	3.89
For Silver Solder Instead Of 95/5 Solder, Add	0.89	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.86	
For Work In Restricted Working Space, Add	1.73	
22 11 16 00-0477 EA 1" Copper Cap	8.32	4.93
For Silver Solder Instead Of 95/5 Solder, Add	1.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.10	
For Work In Restricted Working Space, Add	2.19	
22 11 16 00-0478 EA 1-1/4" Copper Cap	11.43	6.75
For Silver Solder Instead Of 95/5 Solder, Add	1.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.50	
For Work In Restricted Working Space, Add	3.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0479	EA	1-1/2"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.85 1.87 -1.28 1.77 3.53	7.94
22 11 16 00-0480	EA	2"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.02 4.12 -2.81 3.93 7.86	17.69
22 11 16 00-0481	EA	2-1/2"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.09 6.59 -4.60 5.98 11.96	26.90
22 11 16 00-0482	EA	3"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.06 8.68 -6.07 7.84 15.69	35.30
22 11 16 00-0483	EA	4"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.91 10.92 -7.81 9.34 18.68	42.03
22 11 16 00-0484	EA	6"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.27 23.58 -18.05 16.60 33.20	74.72
22 11 16 00-0485	EA	8"	Copper Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	419.02 36.89 -28.92 23.91 47.81	107.58
22 11 16 00-0486 Copper Crosses <small>(22 11 16 00-0354)</small>					
22 11 16 00-0487	EA	1/2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.02 12.12 -8.14 11.95 23.91	53.20
22 11 16 00-0488	EA	3/4"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.12 13.02 -8.79 12.70 25.40	56.49
22 11 16 00-0489	EA	1"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.56 15.49 -10.51 14.94 29.88	66.44
22 11 16 00-0490	EA	1-1/4"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.53 16.88 -11.51 16.14 32.27	71.72
22 11 16 00-0491	EA	1-1/2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.02 19.80 -13.58 18.68 37.36	83.08
22 11 16 00-0492	EA	2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.40 23.76 -16.54 21.67 43.33	96.32
22 11 16 00-0493	EA	2-1/2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.68 40.69 -28.49 36.61 73.22	162.77
22 11 16 00-0494	EA	3"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	419.33 49.85 -35.41 43.33 86.66	192.66
22 11 16 00-0495	EA	4"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	750.64 71.40 -54.47 50.80 101.61	225.93

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0496 EA 5" Copper Cross	1,715.25	283.90
For Silver Solder Instead Of 95/5 Solder, Add	127.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-106.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	62.76	
For Work In Restricted Working Space, Add	125.51	
22 11 16 00-0497 EA 6" Copper Cross	1,917.00	332.21
For Silver Solder Instead Of 95/5 Solder, Add	145.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-120.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	74.71	
For Work In Restricted Working Space, Add	149.42	
22 11 16 00-0498 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0285)		
22 11 16 00-0499 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	10.82	
22 11 16 00-0500 EA 3/4", Cut And Prepare Existing In Place Copper Pipe	11.69	
22 11 16 00-0501 EA 1", Cut And Prepare Existing In Place Copper Pipe	13.15	
22 11 16 00-0502 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe	13.80	
22 11 16 00-0503 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe	14.61	
22 11 16 00-0504 EA 2", Cut And Prepare Existing In Place Copper Pipe	16.07	
22 11 16 00-0505 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe	17.32	
22 11 16 00-0506 EA 3", Cut And Prepare Existing In Place Copper Pipe	20.45	
22 11 16 00-0507 EA 4", Cut And Prepare Existing In Place Copper Pipe	27.60	
22 11 16 00-0508 EA 6", Cut And Prepare Existing In Place Copper Pipe	39.44	
22 11 16 00-0509 EA 8", Cut And Prepare Existing In Place Copper Pipe	52.60	
22 11 16 00-0510 Sweat Brass Companion Flanges (22 11 16 00-0285)		
22 11 16 00-0511 EA 1" Sweat Brass Companion Flange	36.35	16.64
22 11 16 00-0512 EA 1-1/4" Sweat Brass Companion Flange	39.82	18.33
22 11 16 00-0513 EA 1-1/2" Sweat Brass Companion Flange	50.59	19.92
22 11 16 00-0514 EA 2" Sweat Brass Companion Flange	63.05	22.11
22 11 16 00-0515 EA 2-1/2" Sweat Brass Companion Flange	78.29	26.59
22 11 16 00-0516 EA 3" Sweat Brass Companion Flange	92.07	34.87
22 11 16 00-0517 EA 4" Sweat Brass Companion Flange	117.77	41.54
22 11 16 00-0518 EA 5" Sweat Brass Companion Flange	218.77	47.69
22 11 16 00-0519 EA 6" Sweat Brass Companion Flange	274.84	69.30
22 11 16 00-0520 EA 8" Copper Companion Flange	535.00	98.85
22 11 16 00-0521 Brass Compression Fittings (22 11 16 00-0285)		
22 11 16 00-0522 Brass Compression Unions (22 11 16 00-0521)		
22 11 16 00-0523 EA 1/4" Brass Compression Union	18.24	11.69
22 11 16 00-0524 EA 3/8" Brass Compression Union	18.44	11.69
22 11 16 00-0525 EA 1/2" Brass Compression Union	19.05	11.69
22 11 16 00-0526 EA 5/8" Brass Compression Union	19.34	11.69
22 11 16 00-0527 EA 3/4" Brass Compression Union	21.74	11.69
22 11 16 00-0528 EA 3/8" x 1/4" Brass Compression Union	18.58	11.69
22 11 16 00-0529 EA 1/2" x 3/8" Brass Compression Union	19.10	11.69
22 11 16 00-0530 EA 5/8" x 3/8" Brass Compression Union	19.46	11.69
22 11 16 00-0531 EA 5/8" x 1/2" Brass Compression Union	20.04	11.69
22 11 16 00-0532 Brass Compression Union Elbows (22 11 16 00-0521)		
22 11 16 00-0533 EA 1/4" Brass Compression Union Elbow	19.05	11.69
22 11 16 00-0534 EA 3/8" Brass Compression Union Elbow	19.38	11.69
22 11 16 00-0535 EA 1/2" Brass Compression Union Elbow	20.10	11.69
22 11 16 00-0536 EA 5/8" Brass Compression Union Elbow	21.22	11.69
22 11 16 00-0537 EA 3/4" Brass Compression Union Elbow	25.58	11.69
22 11 16 00-0538 EA 3/8" x 1/4" Brass Compression Union Elbow	19.38	11.69
22 11 16 00-0539 EA 1/2" x 3/8" Brass Compression Union Elbow	20.10	11.69
22 11 16 00-0540 EA 5/8" x 3/8" Brass Compression Union Elbow	20.30	11.69
22 11 16 00-0541 EA 5/8" x 1/2" Brass Compression Union Elbow	23.58	11.69
22 11 16 00-0542 Brass Compression Union Tees (22 11 16 00-0521)		
22 11 16 00-0543 EA 1/4" Brass Compression Union Tee	19.30	11.69
22 11 16 00-0544 EA 3/8" Brass Compression Union Tee	19.98	11.69
22 11 16 00-0545 EA 1/2" Brass Compression Union Tee	20.70	11.69
22 11 16 00-0546 EA 5/8" Brass Compression Union Tee	22.98	11.69
22 11 16 00-0547 EA 3/4" Brass Compression Union Tee	30.86	11.69
22 11 16 00-0548 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee	20.46	11.69
22 11 16 00-0549 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee	24.16	11.69
22 11 16 00-0550 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee	23.80	11.69
22 11 16 00-0551 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee	24.22	11.69
22 11 16 00-0552 Brass Compression Male Connectors (22 11 16 00-0521)		
22 11 16 00-0553 EA 1/4" Brass Compression Male Connector	18.10	11.69
22 11 16 00-0554 EA 3/8" Brass Compression Male Connector	18.36	11.69
22 11 16 00-0555 EA 1/2" Brass Compression Male Connector	18.82	11.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0556 EA 5/8" Brass Compression Male Connector.....	19.50	11.69
22 11 16 00-0557 EA 3/4" Brass Compression Male Connector.....	20.47	11.58
22 11 16 00-0558 Brass Compression Female Connectors (22 11 16 00-0521)		
22 11 16 00-0559 EA 1/4" Brass Compression Female Connector.....	18.39	11.69
22 11 16 00-0560 EA 3/8" Brass Compression Female Connector.....	18.73	11.69
22 11 16 00-0561 EA 1/2" Brass Compression Female Connector.....	19.31	11.69
22 11 16 00-0562 EA 5/8" Brass Compression Female Connector.....	19.62	11.69
22 11 16 00-0563 EA 3/4" Brass Compression Female Connector.....	23.29	11.47
22 11 16 00-0564 Dielectric Fittings (22 11 16 00-0285)		
22 11 16 00-0565 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0564)		
22 11 16 00-0566 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	44.74	25.97
22 11 16 00-0567 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	50.14	29.65
22 11 16 00-0568 EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....	58.86	32.58
22 11 16 00-0569 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	70.26	35.86
22 11 16 00-0570 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	83.90	39.85
22 11 16 00-0571 EA 2" Copper x Female Iron Pipe Thread Dielectric Union.....	105.74	47.82
22 11 16 00-0572 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0564)		
22 11 16 00-0573 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	48.39	25.97
22 11 16 00-0574 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	56.15	29.65
22 11 16 00-0575 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	66.78	32.58
22 11 16 00-0576 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	80.77	35.86
22 11 16 00-0577 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	96.90	39.85
22 11 16 00-0578 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	120.99	47.82
22 11 16 00-0579 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0564)		
22 11 16 00-0580 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	46.08	25.97
22 11 16 00-0581 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	52.34	29.65
22 11 16 00-0582 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	59.44	32.58
22 11 16 00-0583 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	68.23	35.86
22 11 16 00-0584 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	81.89	39.85
22 11 16 00-0585 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	104.12	47.82
22 11 16 00-0586 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0564)		
22 11 16 00-0587 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	259.36	122.93
22 11 16 00-0588 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	324.95	154.80
22 11 16 00-0589 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	455.89	210.68
22 11 16 00-0590 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0564)		
22 11 16 00-0591 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	260.85	122.93
22 11 16 00-0592 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	336.91	154.80
22 11 16 00-0593 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	593.85	210.68
22 11 16 00-0594 Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0595 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	20.30	10.82
Note: (Sharkbite)		
22 11 16 00-0596 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	24.01	11.55
Note: (Sharkbite)		
22 11 16 00-0597 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	25.53	12.99
Note: (Sharkbite)		
22 11 16 00-0598 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	28.69	13.85
Note: (Sharkbite)		
22 11 16 00-0599 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	29.66	14.80
Note: (Sharkbite)		
22 11 16 00-0600 EA 1" x 1" Brass Push-Fit Coupling.....	39.73	17.67
Note: (Sharkbite)		
22 11 16 00-0601 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	24.77	12.26
Note: (Sharkbite)		
22 11 16 00-0602 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	28.18	13.42
Note: (Sharkbite)		
22 11 16 00-0603 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	39.60	16.23
Note: (Sharkbite)		
22 11 16 00-0604 EA 1/4" x 1/4" Brass Push-Fit Elbow.....	20.89	10.82
Note: (Sharkbite)		
22 11 16 00-0605 EA 3/8" x 3/8" Brass Push-Fit Elbow.....	26.51	11.55
Note: (Sharkbite)		
22 11 16 00-0606 EA 1/2" x 1/2" Brass Push-Fit Elbow.....	25.85	12.99
Note: (Sharkbite)		
22 11 16 00-0607 EA 5/8" x 5/8" Brass Push-Fit Elbow.....	30.15	13.85
Note: (Sharkbite)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0608 EA 3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	29.24	14.80
22 11 16 00-0609 EA 1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	40.05	17.67
22 11 16 00-0610 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	24.50	12.26
22 11 16 00-0611 EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	27.14	13.42
22 11 16 00-0612 EA 1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	46.77	16.23
22 11 16 00-0613 EA 1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	31.57	16.23
22 11 16 00-0614 EA 3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	37.94	17.32
22 11 16 00-0615 EA 1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	37.03	19.48
22 11 16 00-0616 EA 5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	44.60	20.78
22 11 16 00-0617 EA 3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	42.86	22.18
22 11 16 00-0618 EA 1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	56.18	26.51
22 11 16 00-0619 EA 1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	39.37	18.40
22 11 16 00-0620 EA 1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	39.75	18.76
22 11 16 00-0621 EA 3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	41.30	21.29
22 11 16 00-0622 EA 1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	54.09	25.08
22 11 16 00-0623 EA 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.55	11.90
22 11 16 00-0624 EA 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.59	12.26
22 11 16 00-0625 EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.86	12.99
22 11 16 00-0626 EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	27.26	14.80
22 11 16 00-0627 EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	36.36	17.67
22 11 16 00-0628 EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.54	11.90
22 11 16 00-0629 EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.59	12.26
22 11 16 00-0630 EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.90	12.99
22 11 16 00-0631 EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.08	14.80
22 11 16 00-0632 EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	28.33	14.32
22 11 16 00-0633 EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.39	16.23
22 11 16 00-0634 EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	36.73	17.67
22 11 16 00-0635 EA 1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	30.81	12.99
22 11 16 00-0636 EA 3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	35.77	14.80
22 11 16 00-0637 EA 1" Brass Push-Fit Ball Valve Note: (Sharkbite)	46.09	17.67
22 11 16 00-0638 EA 1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	32.43	12.99
22 11 16 00-0639 EA 3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	38.50	14.80
22 11 16 00-0640 EA 1" Brass Push-Fit Check Valve Note: (Sharkbite)	60.28	17.67
22 11 16 00-0641 Copper Pipe Assemblies <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0642 LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	19.69	3.04
<i>For Type K Tubing Instead Of Type L, Add</i>	1.16	
<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.01	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.68	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.83	
<i>For Work In Restricted Working Space, Add</i>	5.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0643	LF			3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly .....22.87 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		3.90
				<i>For Type K Tubing Instead Of Type L, Add</i>	1.41	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.21	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.06	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.10	
				<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0644	LF			1" Inside Diameter Copper Pipe/Tubing Type L Assembly .....24.91 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		4.65
				<i>For Type K Tubing Instead Of Type L, Add</i>	1.64	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.38	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.26	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.25	
				<i>For Work In Restricted Working Space, Add</i>	6.03	
22 11 16 00-0645	LF			1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly .....26.92 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		5.41
				<i>For Type K Tubing Instead Of Type L, Add</i>	1.89	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.56	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.44	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.39	
				<i>For Work In Restricted Working Space, Add</i>	6.27	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-0.60	
22 11 16 00-0646	LF			1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....29.70 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		6.17
				<i>For Type K Tubing Instead Of Type L, Add</i>	2.19	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.78	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.71	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.60	
				<i>For Work In Restricted Working Space, Add</i>	6.68	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-0.74	
22 11 16 00-0647	LF			2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....41.11 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		7.69
				<i>For Type K Tubing Instead Of Type L, Add</i>	3.72	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.88	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.62	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.34	
				<i>For Work In Restricted Working Space, Add</i>	7.69	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.55	
22 11 16 00-0648	LF			2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly .....48.88 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		9.26
				<i>For Type K Tubing Instead Of Type L, Add</i>	4.83	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-3.67	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.19	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.82	
				<i>For Work In Restricted Working Space, Add</i>	8.25	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-2.14	
22 11 16 00-0649	LF			3" Inside Diameter Copper Pipe/Tubing Type L Assembly .....56.36 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		10.76
				<i>For Type K Tubing Instead Of Type L, Add</i>	5.83	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-4.38	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.80	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.31	
				<i>For Work In Restricted Working Space, Add</i>	8.93	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-2.66	
22 11 16 00-0650	LF			4" Inside Diameter Copper Pipe/Tubing Type L Assembly .....81.07 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		14.25
				<i>For Type K Tubing Instead Of Type L, Add</i>	8.97	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-6.65	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.90	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.98	
				<i>For Work In Restricted Working Space, Add</i>	11.55	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-4.26	
22 11 16 00-0651	LF			5" Inside Diameter Copper Pipe/Tubing Type L Assembly .....167.72 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		17.74
				<i>For Type K Tubing Instead Of Type L, Add</i>	22.61	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-16.17	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.33	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.86	
				<i>For Work In Restricted Working Space, Add</i>	14.82	
				<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-11.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0652	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly .....208.11 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		21.42
			<i>For Type K Tubing Instead Of Type L, Add</i>	27.86	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-19.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.68	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.54	
			<i>For Work In Restricted Working Space, Add</i>	18.83	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-14.54	
22 11 16 00-0653	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly .....358.49 Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		25.60
			<i>For Type K Tubing Instead Of Type L, Add</i>	52.04	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-36.78	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.72	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.82	
			<i>For Work In Restricted Working Space, Add</i>	23.40	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-28.05	
22 11 16 00-0654			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0655			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0654)		
22 11 16 00-0656			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0655)		
22 11 16 00-0657	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....5.08 <i>For Work In Restricted Working Space, Add</i>	1.19	1.60
22 11 16 00-0658	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....5.69 <i>For Work In Restricted Working Space, Add</i>	1.25	1.67
22 11 16 00-0659	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....6.72 <i>For Work In Restricted Working Space, Add</i>	1.35	1.80
22 11 16 00-0660	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....7.98 <i>For Work In Restricted Working Space, Add</i>	1.48	1.96
22 11 16 00-0661	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....9.15 <i>For Work In Restricted Working Space, Add</i>	1.63	2.17
22 11 16 00-0662	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....11.19 <i>For Work In Restricted Working Space, Add</i>	1.82	2.43
22 11 16 00-0663	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....14.76 <i>For Work In Restricted Working Space, Add</i>	2.07	2.76
22 11 16 00-0664	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....18.64 <i>For Work In Restricted Working Space, Add</i>	2.45	3.27
22 11 16 00-0665	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....25.42 <i>For Work In Restricted Working Space, Add</i>	3.01	4.01
22 11 16 00-0666	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....42.52 <i>For Work In Restricted Working Space, Add</i>	3.83	5.10
22 11 16 00-0667	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....60.63 <i>For Work In Restricted Working Space, Add</i>	5.02	6.70
22 11 16 00-0668			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0665)		
22 11 16 00-0669	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....20.65 <i>For Work In Restricted Working Space, Add</i>	5.68	7.57
22 11 16 00-0670	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....26.59 <i>For Work In Restricted Working Space, Add</i>	7.17	9.56
22 11 16 00-0671	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....34.22 <i>For Work In Restricted Working Space, Add</i>	8.99	11.95
22 11 16 00-0672	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....45.62 <i>For Work In Restricted Working Space, Add</i>	11.24	14.94
22 11 16 00-0673	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....50.66 <i>For Work In Restricted Working Space, Add</i>	12.43	16.54
22 11 16 00-0674	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....58.66 <i>For Work In Restricted Working Space, Add</i>	13.87	16.54
22 11 16 00-0675	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....84.99 <i>For Work In Restricted Working Space, Add</i>	15.78	21.01
22 11 16 00-0676	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....97.36 <i>For Work In Restricted Working Space, Add</i>	18.65	24.91
22 11 16 00-0677	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....135.21 <i>For Work In Restricted Working Space, Add</i>	22.95	30.59
22 11 16 00-0678	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....170.81 <i>For Work In Restricted Working Space, Add</i>	29.17	38.85
22 11 16 00-0679	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....307.59 <i>For Work In Restricted Working Space, Add</i>	38.25	51.01
22 11 16 00-0680			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0665)		
22 11 16 00-0681	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....21.51 <i>For Work In Restricted Working Space, Add</i>	5.68	7.57
22 11 16 00-0682	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....27.63 <i>For Work In Restricted Working Space, Add</i>	7.17	9.56
22 11 16 00-0683	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....35.90 <i>For Work In Restricted Working Space, Add</i>	8.99	11.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0684 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.83 11.24	14.94
22 11 16 00-0685 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.34 12.43	16.54
22 11 16 00-0686 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	59.57 13.87	18.53
22 11 16 00-0687 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	85.57 15.78	21.01
22 11 16 00-0688 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	97.28 18.65	24.91
22 11 16 00-0689 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	124.69 22.95	30.59
22 11 16 00-0690 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	190.53 29.17	38.85
22 11 16 00-0691 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	321.56 38.25	51.01
22 11 16 00-0692 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0655)		
22 11 16 00-0693 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	31.53 8.52	11.35
22 11 16 00-0694 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	40.87 10.76	14.35
22 11 16 00-0695 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	51.18 13.51	18.03
22 11 16 00-0696 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	69.17 16.85	22.51
22 11 16 00-0697 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	77.04 18.65	24.91
22 11 16 00-0698 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	91.53 20.80	27.69
22 11 16 00-0699 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	115.36 23.67	31.58
22 11 16 00-0700 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	132.91 27.97	37.25
22 11 16 00-0701 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	161.61 34.43	45.92
22 11 16 00-0702 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	237.40 43.75	58.38
22 11 16 00-0703 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	453.42 57.38	76.51
22 11 16 00-0704 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0655)		
22 11 16 00-0705 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	40.56 11.36	15.14
22 11 16 00-0706 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	52.13 14.35	19.12
22 11 16 00-0707 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	65.28 17.99	24.01
22 11 16 00-0708 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	86.10 22.47	29.98
22 11 16 00-0709 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	95.70 24.86	33.17
22 11 16 00-0710 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	111.56 27.73	36.96
22 11 16 00-0711 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	136.59 31.56	42.04
22 11 16 00-0712 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	158.48 37.29	49.71
22 11 16 00-0713 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	193.37 45.90	61.16
22 11 16 00-0714 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	273.31 58.33	77.80
22 11 16 00-0715 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	480.82 76.50	102.00
22 11 16 00-0716 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0655)		
22 11 16 00-0717 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	18.57 5.26	6.98
22 11 16 00-0718 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	25.62 7.08	9.46
22 11 16 00-0719 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	40.08 9.26	12.36
22 11 16 00-0720 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	45.03 10.25	13.64
22 11 16 00-0721 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	52.42 11.45	15.24
22 11 16 00-0722 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	57.70 13.03	17.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0723 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	69.56 15.39	20.52
22 11 16 00-0724 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	92.41 18.95	25.21
22 11 16 00-0725 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	142.51 24.06	32.07
22 11 16 00-0726 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	292.70 31.56	42.04
22 11 16 00-0727 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0655)		
22 11 16 00-0728 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	19.21 3.74	4.98
22 11 16 00-0729 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	24.82 5.26	6.98
22 11 16 00-0730 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	31.42 7.08	9.46
22 11 16 00-0731 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	39.58 9.26	12.36
22 11 16 00-0732 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	45.77 10.25	13.64
22 11 16 00-0733 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	56.11 11.45	15.24
22 11 16 00-0734 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	81.80 13.03	17.33
22 11 16 00-0735 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	151.50 15.39	20.52
22 11 16 00-0736 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	221.07 18.95	25.21
22 11 16 00-0737 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0655)		
22 11 16 00-0738 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.04 3.74	4.98
22 11 16 00-0739 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.04 5.26	6.98
22 11 16 00-0740 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.50 7.08	9.46
22 11 16 00-0741 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.58 9.26	12.36
22 11 16 00-0742 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	45.94 10.25	13.64
22 11 16 00-0743 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	54.07 11.45	15.24
22 11 16 00-0744 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	73.56 13.03	17.33
22 11 16 00-0745 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	87.72 15.39	20.52
22 11 16 00-0746 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	124.73 18.95	25.21
22 11 16 00-0747 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0655)		
22 11 16 00-0748 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.02 3.74	4.98
22 11 16 00-0749 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.35 5.26	6.98
22 11 16 00-0750 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.59 7.08	9.46
22 11 16 00-0751 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	39.87 9.26	12.36
22 11 16 00-0752 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	44.62 10.25	13.64
22 11 16 00-0753 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	52.99 11.45	15.24
22 11 16 00-0754 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	74.18 13.03	17.33
22 11 16 00-0755 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	98.60 15.39	20.52
22 11 16 00-0756 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	143.22 18.95	25.21
22 11 16 00-0757 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0655)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0758	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	13.55 3.41	4.58
22 11 16 00-0759	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	19.05 4.78	6.37
22 11 16 00-0760	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.61 6.43	8.57
22 11 16 00-0761	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	34.34 8.43	11.26
22 11 16 00-0762	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	38.96 9.32	12.45
22 11 16 00-0763	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	43.82 10.40	13.85
22 11 16 00-0764	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	61.39 11.83	15.74
22 11 16 00-0765	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	68.78 13.99	18.63
22 11 16 00-0766	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	86.42 17.21	22.91
22 11 16 00-0767	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	130.21 21.88	29.19
22 11 16 00-0768	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	211.71 28.69	38.25
22 11 16 00-0769				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0655)		
22 11 16 00-0770	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	23.03 4.09	5.48
22 11 16 00-0771	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	28.97 5.74	7.67
22 11 16 00-0772	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	35.86 7.71	10.26
22 11 16 00-0773	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	57.56 10.10	13.45
22 11 16 00-0774	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	61.57 11.18	14.94
22 11 16 00-0775	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	81.99 12.49	16.64
22 11 16 00-0776	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	130.99 14.20	18.92
22 11 16 00-0777	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	182.42 16.79	22.41
22 11 16 00-0778	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	283.77 20.65	27.49
22 11 16 00-0779	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	377.75 26.24	34.97
22 11 16 00-0780	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	469.35 34.43	45.92
22 11 16 00-0781				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0655)		
22 11 16 00-0782	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	7.26 1.13	1.50
22 11 16 00-0783	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	12.91 2.39	3.19
22 11 16 00-0784	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	21.57 3.86	5.18
22 11 16 00-0785	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	23.61 4.22	5.58
22 11 16 00-0786	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	25.29 4.66	6.17
22 11 16 00-0787	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	33.03 5.20	6.98
22 11 16 00-0788	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	48.00 5.92	7.87
22 11 16 00-0789	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	52.23 6.99	9.36
22 11 16 00-0790	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	77.47 8.61	11.45
22 11 16 00-0791	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	157.84 10.94	14.54
22 11 16 00-0792	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	203.68 14.35	19.12
22 11 16 00-0793				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0655)		
22 11 16 00-0794	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	17.46 2.72	3.59
22 11 16 00-0795	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	21.74 3.83	5.08
22 11 16 00-0796	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	27.14 5.14	6.88
22 11 16 00-0797	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	32.81 6.75	8.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0798 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	35.45 7.47	9.96
22 11 16 00-0799 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	41.71 8.31	11.06
22 11 16 00-0800 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	53.46 9.47	12.65
22 11 16 00-0801 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	61.11 11.18	14.94
22 11 16 00-0802 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	76.16 13.78	18.33
22 11 16 00-0803 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	105.92 17.51	23.31
22 11 16 00-0804 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	183.75 22.95	30.59
22 11 16 00-0805 Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-0806 Cross-Linked Polyethylene Tubing (22 11 16 00-0805)		
22 11 16 00-0807 LF 3/8" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.49 0.94	
22 11 16 00-0808 LF 1/2" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.78 1.02	
22 11 16 00-0809 LF 3/4" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.37 1.10	
22 11 16 00-0810 LF 1" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	5.09 1.16	
22 11 16 00-0811 Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-0805) Note: Aboveground, domestic water usage.		
22 11 16 00-0812 Male Adapters (22 11 16 00-0811)		
22 11 16 00-0813 EA 3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.61 4.87	
22 11 16 00-0814 EA 1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.86 5.20	
22 11 16 00-0815 EA 1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.26 5.52	
22 11 16 00-0816 EA 3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.34 5.84	
22 11 16 00-0817 EA 3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.26 5.52	
22 11 16 00-0818 EA 1" x 1", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	24.93 6.50	
22 11 16 00-0819 Female Adapters (22 11 16 00-0811)		
22 11 16 00-0820 EA 1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.02 5.20	
22 11 16 00-0821 EA 1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.70 5.52	
22 11 16 00-0822 EA 3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.78 5.84	
22 11 16 00-0823 EA 3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.70 5.52	
22 11 16 00-0824 EA 1" x 1", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.13 6.50	
22 11 16 00-0825 Tube Adapters (22 11 16 00-0811)		
22 11 16 00-0826 EA 3/8" x 1/2" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.95 4.87	
22 11 16 00-0827 EA 1/2" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.04 5.20	
22 11 16 00-0828 EA 3/4" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.82 5.84	
22 11 16 00-0829 EA 1" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.51 6.50	
22 11 16 00-0830 Plugs (22 11 16 00-0811)		
22 11 16 00-0831 EA 3/8" Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	8.14 2.27	
22 11 16 00-0832 EA 1/2" Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	9.21 2.60	
22 11 16 00-0833 EA 3/4" Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.46 2.92	
22 11 16 00-0834 EA 1" Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.16 3.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0835 Tees <small>(22 11 16 00-0811)</small>					
		EA	3/8" Tee For PEX Tubing.....	23.91	
			<i>For Work In Restricted Working Space, Add</i>	6.82	
		EA	1/2" Tee For PEX Tubing.....	27.15	
			<i>For Work In Restricted Working Space, Add</i>	7.79	
		EA	3/4" Tee For PEX Tubing.....	31.20	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
		EA	1" Tee For PEX Tubing.....	36.70	
			<i>For Work In Restricted Working Space, Add</i>	9.74	
		EA	1/2" Reducing Tee For PEX Tubing.....	26.08	
			<i>For Work In Restricted Working Space, Add</i>	7.47	
		EA	3/4" Reducing Tee For PEX Tubing.....	29.04	
			<i>For Work In Restricted Working Space, Add</i>	8.12	
		EA	1" Reducing Tee For PEX Tubing.....	33.14	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0843 Couplings <small>(22 11 16 00-0811)</small>					
		EA	3/8" Coupling For PEX Tubing.....	15.76	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
		EA	1/2" Coupling For PEX Tubing.....	17.96	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
		EA	3/4" Coupling For PEX Tubing.....	20.32	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
		EA	1" Coupling For PEX Tubing.....	23.43	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
		EA	3/4" x 1/2" Reducing Coupling For PEX Tubing.....	19.24	
			<i>For Work In Restricted Working Space, Add</i>	5.52	
		EA	1" x 3/4" Reducing Coupling For PEX Tubing.....	22.34	
			<i>For Work In Restricted Working Space, Add</i>	6.17	
22 11 16 00-0850 Fitting Reducers <small>(22 11 16 00-0811)</small>					
		EA	3/8" x 1/2" Fitting Reducer For PEX Tubing.....	17.07	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
		EA	1/2" Fitting Reducer For PEX Tubing.....	18.16	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
		EA	3/4" Fitting Reducer For PEX Tubing.....	21.06	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
		EA	1" Fitting Reducer For PEX Tubing.....	25.89	
			<i>For Work In Restricted Working Space, Add</i>	6.50	
22 11 16 00-0855 90 Degree Elbows <small>(22 11 16 00-0811)</small>					
		EA	3/8" 90 Degree Elbow For PEX Tubing.....	16.12	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
		EA	1/2" 90 Degree Elbow For PEX Tubing.....	18.28	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
		EA	3/4" 90 Degree Elbow For PEX Tubing.....	21.06	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
		EA	3/4" x 1/2" 90 Degree Elbow For PEX Tubing.....	19.98	
			<i>For Work In Restricted Working Space, Add</i>	5.52	
		EA	1/2" Drop 90 Degree Elbow For PEX Tubing.....	20.80	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
		EA	3/4" Drop 90 Degree Elbow For PEX Tubing.....	23.32	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
		EA	3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing.....	22.24	
			<i>For Work In Restricted Working Space, Add</i>	5.52	
22 11 19 Domestic Water Piping Specialties <small>(22 11)</small>					
22 11 19 00-0001 Rubber Hose And Clamps <small>(22 11 19)</small>					
22 11 19 00-0002 General Purpose Hose <small>(22 11 19 00-0001)</small>					
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.					
		LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.95	2.16
		LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.02	2.16
		LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.18	2.16
		LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.14	2.16
		LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.69	3.24
		LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.20	3.24
		LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	16.61	4.31
22 11 19 00-0010 Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>					
		EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,180.31	250.79
		EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,625.00	250.79
22 11 19 00-0013 Water Pump Hose <small>(22 11 19 00-0001)</small>					
		EA	2" Inside Diameter, 20' Rubber Discharge Hose.....	213.65	65.97

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0015 EA 2" Inside Diameter, 20' Rubber Intake Hose	219.97	65.97
22 11 19 00-0016 Serrated Shank Nipple (22 11 19 00-0001) Note: For use as medium pressure coupling.		
22 11 19 00-0017 EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	23.30	5.40
22 11 19 00-0018 EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	23.21	5.40
22 11 19 00-0019 EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	23.21	5.40
22 11 19 00-0020 EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	29.28	7.55
22 11 19 00-0021 EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	30.72	7.55
22 11 19 00-0022 EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	58.17	14.04
22 11 19 00-0023 EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	72.34	17.28
22 11 19 00-0024 Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	10.90	3.24
22 11 19 00-0026 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	11.54	3.24
22 11 19 00-0027 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	12.24	3.24
22 11 19 00-0028 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	13.04	3.24
22 11 19 00-0029 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	13.96	3.24
22 11 19 00-0030 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	15.07	4.31
22 11 19 00-0031 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	16.30	4.31
22 11 19 00-0032 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033 Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	153.36	16.23
22 11 19 00-0035 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	95.59	10.82
22 11 19 00-0036 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	93.18	10.82
22 11 19 00-0037 Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	102.38	21.65
Note: Can be used for two, three or four drains.		
22 11 19 00-0039 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	108.87	21.65
Note: Can be used for two, three or four drains.		
22 11 19 00-0040 Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041 EA Two Outlet Manifold	126.16	29.12
22 11 19 00-0042 EA Four Outlet Manifold	181.11	33.12
22 11 19 00-0043 EA Six Outlet Manifold	233.10	35.07
22 11 19 00-0044 EA Eight Outlet Manifold	290.50	41.13
22 11 19 00-0045 Sewage Air Release Valves (22 11 19)		
22 11 19 00-0046 Cast Iron, Sewage Air Release Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0047 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	701.87	39.51
For Back Flush Attachment, Add	650.00	
22 11 19 00-0048 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	869.85	66.04
For Back Flush Attachment, Add	650.00	
22 11 19 00-0049 EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,102.84	83.36
For Back Flush Attachment, Add	650.00	
22 11 19 00-0050 Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0051 EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	716.70	39.51
For Back Flush Attachment, Add	650.00	
22 11 19 00-0052 EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,387.74	39.51
For Back Flush Attachment, Add	650.00	
22 11 19 00-0053 EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	1,674.36	66.04
For Back Flush Attachment, Add	650.00	
22 11 19 00-0054 EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	2,472.72	83.36
22 11 19 00-0055 Cast Iron, Sewage Combination Air Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0056 EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	1,510.09	39.51
22 11 19 00-0057 EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,075.46	39.51
22 11 19 00-0058 EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	2,438.08	66.04
22 11 19 00-0059 EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	2,982.49	83.36
22 11 19 00-0060 Brass, Anti Siphon Vacuum Breakers (22 11 19) Note: Watts 288A		
22 11 19 00-0061 EA 1/2" Brass, Anti Siphon Vacuum Breaker	74.66	27.06
22 11 19 00-0062 EA 3/4" Brass, Anti Siphon Vacuum Breaker	84.65	30.30
22 11 19 00-0063 EA 1" Brass, Anti Siphon Vacuum Breaker	142.94	34.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0064	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker	210.73	40.04
	22 11 19 00-0065	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker	250.53	44.37
	22 11 19 00-0066	EA		2" Brass, Anti Siphon Vacuum Breaker	353.61	54.11
	22 11 19 00-0067	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker	845.71	67.64
22 11 19 00-0068	Anti Siphon Pressure Vacuum Breakers (22 11 19)					
	Note: Watts 800M4QT					
	22 11 19 00-0069	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker	161.70	27.06
	22 11 19 00-0070	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker	148.40	30.30
	22 11 19 00-0071	EA		1" Anti Siphon Pressure Type Vacuum Breaker	202.15	34.64
	22 11 19 00-0072	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker	340.98	40.04
	22 11 19 00-0073	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker	413.08	44.37
	22 11 19 00-0074	EA		2" Anti Siphon Pressure Type Vacuum Breaker	426.42	54.11
22 11 19 00-0075	Bellows Type Water Hammer Arrestors (22 11 19)					
	22 11 19 00-0076	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	135.19	12.95
	22 11 19 00-0077	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	253.76	15.66
	22 11 19 00-0078	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	364.03	15.66
	22 11 19 00-0079	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	865.45	15.66
	22 11 19 00-0080	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	972.86	15.66
	22 11 19 00-0081	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,188.30	15.66
22 11 19 00-0082	Piston Type Water Hammer Arrestors (22 11 19)					
22 11 19 00-0083	Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0082)					
	22 11 19 00-0084	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	80.97	7.22
	22 11 19 00-0085	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	149.74	8.32
	22 11 19 00-0086	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	219.04	9.02
	22 11 19 00-0087	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	527.79	11.64
	22 11 19 00-0088	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	643.10	14.43
	22 11 19 00-0089	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	731.00	15.66
22 11 19 00-0090	Wall Hydrants (22 11 19)					
	Note: Female inlet connection, 3/4" hose thread outlet.					
22 11 19 00-0091	Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0090)					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0092	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	487.74	27.06
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
	22 11 19 00-0093	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	519.36	32.46
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
	22 11 19 00-0094	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	541.53	39.07
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
22 11 19 00-0095	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0090)					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0096	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	526.88	45.46
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
22 11 19 00-0097	Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0090)					
	Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
	22 11 19 00-0098	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	299.62	33.55
				For 1" NPT Outlet, Add	54.31	
	22 11 19 00-0099	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	357.97	33.55
				For 1" NPT Outlet, Add	54.31	
	22 11 19 00-0100	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	357.97	33.55
				For 1" NPT Outlet, Add	54.31	
	22 11 19 00-0101	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	357.97	33.55
				For 1" NPT Outlet, Add	54.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0102 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	371.54 54.31	67.64
22 11 19 00-0103 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	371.54 54.31	67.64
22 11 19 00-0104 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	412.16 54.31	67.64
22 11 19 00-0105 Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0090)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0106 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	261.35	27.06
22 11 19 00-0107 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	281.71	27.06
22 11 19 00-0108 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	284.48	27.06
22 11 19 00-0109 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	315.02	27.06
22 11 19 00-0110 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	435.75	37.88
22 11 19 00-0111 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	447.78	37.88
22 11 19 00-0112 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	447.78	37.88
22 11 19 00-0113 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	476.46	37.88
22 11 19 00-0114 Washer Boxes And Dryer Outlets <small>(22 11 19)</small>		
22 11 19 00-0115 Dryer Vent Kit <small>(22 11 19 00-0114)</small> Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0116 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	71.20	14.07
22 11 19 00-0117 Washer Boxes And Dryer Vents <small>(22 11 19 00-0114)</small> Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0118 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	241.53	21.65
22 11 19 00-0119 Ice Maker Outlet Box <small>(22 11 19)</small> Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0120 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	129.30	21.65
22 11 19 00-0121 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	154.02	21.65
22 11 19 00-0122 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	167.62	21.65
22 11 19 00-0123 Tempering Controllers For Potable Hot Water <small>(22 11 19)</small>		
22 11 19 00-0124 Point-Of-Use Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0125 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	271.88	26.20
22 11 19 00-0126 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	146.82	26.20
22 11 19 00-0127 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	156.75	26.20
22 11 19 00-0128 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	239.65	35.29
22 11 19 00-0129 Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0130 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	650.35	37.78
22 11 19 00-0131 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	734.94	46.54
22 11 19 00-0132 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	880.98	54.13
22 11 19 00-0133 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,129.17	56.90
22 11 19 00-0134 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	1,513.34	73.82
22 11 19 00-0135 High Low Temperature Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0136 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	1,582.67	58.19
22 11 19 00-0137 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,046.76	67.66
22 11 19 00-0138 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	2,379.10	71.12
22 11 19 00-0139 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	2,649.57	92.26
22 11 19 00-0140 Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0123)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0141	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)..... Note: For hot water or two pipe low pressure steam.	601.68	37.78
22 11 19 00-0142	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)..... Note: For hot water or two pipe low pressure steam.	709.89	46.53
22 11 19 00-0143	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)..... Note: For hot water or two pipe low pressure steam.	870.22	54.13
22 11 19 00-0144	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)..... Note: For hot water or two pipe low pressure steam.	1,057.15	56.92
22 11 19 00-0145	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)..... Note: For hot water or two pipe low pressure steam.	1,562.68	73.82
22 11 19 00-0146		Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0123)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0147	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,312.90	54.11
22 11 19 00-0148	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,415.03	68.19
22 11 19 00-0149	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,575.97	82.26
22 11 19 00-0150	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,749.60	96.33
22 11 19 00-0151	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	2,049.26	126.63
22 11 19 00-0152	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	2,372.23	144.34
22 11 19 00-0153		Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0154		Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0153)</small>		
22 11 19 00-0155		Threaded Double Check Valve Assemblies <small>(22 11 19 00-0154)</small>		
22 11 19 00-0156		Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0157	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	238.89 21.75 -166.38	29.01
22 11 19 00-0158	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	290.64 30.85 -187.82	41.13
22 11 19 00-0159	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	338.65 37.67 -213.10	50.21
22 11 19 00-0160	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	459.19 43.83 -313.08	58.45
22 11 19 00-0161	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	561.44 50.00 -394.77	67.10
22 11 19 00-0162	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	659.05 64.94 -442.59	86.58
22 11 19 00-0163		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0164	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	286.50 21.76 -213.98	29.01
22 11 19 00-0165	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	360.37 30.85 -257.55	41.13
22 11 19 00-0166	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	424.13 37.67 -298.58	50.21
22 11 19 00-0167	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	580.99 43.83 -434.88	58.45
22 11 19 00-0168	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	704.90 50.00 -538.23	67.10
22 11 19 00-0169	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	857.11 64.94 -640.65	86.58
22 11 19 00-0170		Flanged Double Check Valve Assemblies <small>(22 11 19 00-0154)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0171 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0172 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,756.87	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-1,438.10	
22 11 19 00-0173 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,933.11	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-1,579.48	
22 11 19 00-0174 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0175 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	1,903.05	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-1,584.28	
22 11 19 00-0176 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	2,176.91	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-1,823.28	
22 11 19 00-0177 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0178 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,148.05	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-1,829.30	
22 11 19 00-0179 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,362.59	268.96
For Work In Restricted Working Space, Add	106.10	
For Owner Furnished Material, Deduct	-2,008.94	
22 11 19 00-0180 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,754.31	398.46
For Work In Restricted Working Space, Add	159.30	
For Owner Furnished Material, Deduct	-2,223.32	
22 11 19 00-0181 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	4,598.34	566.35
For Work In Restricted Working Space, Add	306.92	
For Owner Furnished Material, Deduct	-3,575.26	
22 11 19 00-0182 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	8,703.07	849.52
For Work In Restricted Working Space, Add	460.46	
For Owner Furnished Material, Deduct	-7,168.21	
22 11 19 00-0183 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	11,366.94	1,004.81
For Work In Restricted Working Space, Add	548.08	
For Owner Furnished Material, Deduct	-9,540.02	
22 11 19 00-0184 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0185 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,350.34	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-2,031.59	
22 11 19 00-0186 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,604.60	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-2,250.97	
22 11 19 00-0187 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,292.43	398.46
For Work In Restricted Working Space, Add	159.29	
For Owner Furnished Material, Deduct	-2,761.48	
22 11 19 00-0188 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,619.46	566.35
For Work In Restricted Working Space, Add	306.92	
For Owner Furnished Material, Deduct	-4,596.38	
22 11 19 00-0189 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,423.12	849.52
For Work In Restricted Working Space, Add	460.39	
For Owner Furnished Material, Deduct	-8,888.50	
22 11 19 00-0190 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	11,366.94	1,004.81
For Work In Restricted Working Space, Add	548.08	
For Owner Furnished Material, Deduct	-9,540.02	
22 11 19 00-0191 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0192 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,275.18	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-1,956.43	
22 11 19 00-0193 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,593.78	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-2,240.15	
22 11 19 00-0194 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	3,023.70	398.46
For Work In Restricted Working Space, Add	159.29	
For Owner Furnished Material, Deduct	-2,492.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0195	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,920.80 306.92 -3,897.72	566.35
22 11 19 00-0196	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,240.82 460.39 -7,706.20	849.52
22 11 19 00-0197	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,441.83 548.08 -10,614.91	1,004.81
22 11 19 00-0198 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0170)					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).					
22 11 19 00-0199	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,971.76 95.63 -1,653.01	239.08
22 11 19 00-0200	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,172.04 106.09 -1,818.41	268.96
22 11 19 00-0201	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,514.76 159.29 -1,983.81	398.46
22 11 19 00-0202	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,125.04 306.92 -3,101.96	566.35
22 11 19 00-0203	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,667.46 460.39 -6,132.84	849.52
22 11 19 00-0204	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,389.49 548.08 -6,562.57	1,004.81
22 11 19 00-0205 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0170)					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).					
22 11 19 00-0206	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,558.29 95.63 -2,239.54	239.08
22 11 19 00-0207	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,758.57 106.09 -2,404.94	268.96
22 11 19 00-0208	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,494.86 159.29 -2,963.91	398.46
22 11 19 00-0209	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,765.78 306.92 -4,742.70	566.35
22 11 19 00-0210	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,099.20 460.39 -8,564.58	849.52
22 11 19 00-0211	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,018.26 548.08 -10,191.34	1,004.81
22 11 19 00-0212 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0170)					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).					
22 11 19 00-0213	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,855.11 95.63 -1,536.36	239.08
22 11 19 00-0214	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,060.69 106.09 -1,707.06	268.96
22 11 19 00-0215	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,408.64 159.29 -1,877.69	398.46
22 11 19 00-0216	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,041.68 306.92 -3,018.60	566.35
22 11 19 00-0217	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,587.13 460.39 -6,052.51	849.52

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0218 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,613.80	1,004.81
<i>For Work In Restricted Working Space, Add</i>	548.08	
<i>For Owner Furnished Material, Deduct</i>	-6,786.88	
22 11 19 00-0219 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0220 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,392.45	239.08
<i>For Work In Restricted Working Space, Add</i>	95.63	
<i>For Owner Furnished Material, Deduct</i>	-2,073.70	
22 11 19 00-0221 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,592.73	268.96
<i>For Work In Restricted Working Space, Add</i>	106.09	
<i>For Owner Furnished Material, Deduct</i>	-2,239.10	
22 11 19 00-0222 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,329.23	398.46
<i>For Work In Restricted Working Space, Add</i>	159.29	
<i>For Owner Furnished Material, Deduct</i>	-2,798.28	
22 11 19 00-0223 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,589.36	566.35
<i>For Work In Restricted Working Space, Add</i>	306.92	
<i>For Owner Furnished Material, Deduct</i>	-4,566.28	
22 11 19 00-0224 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,832.17	849.52
<i>For Work In Restricted Working Space, Add</i>	460.39	
<i>For Owner Furnished Material, Deduct</i>	-8,297.55	
22 11 19 00-0225 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,750.45	1,004.81
<i>For Work In Restricted Working Space, Add</i>	548.08	
<i>For Owner Furnished Material, Deduct</i>	-9,923.53	
22 11 19 00-0226 Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0170)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0227 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,131.01	239.08
<i>For Work In Restricted Working Space, Add</i>	95.63	
<i>For Owner Furnished Material, Deduct</i>	-1,812.26	
22 11 19 00-0228 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,331.28	268.96
<i>For Work In Restricted Working Space, Add</i>	106.09	
<i>For Owner Furnished Material, Deduct</i>	-1,977.65	
22 11 19 00-0229 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,674.00	398.46
<i>For Work In Restricted Working Space, Add</i>	159.29	
<i>For Owner Furnished Material, Deduct</i>	-2,143.05	
22 11 19 00-0230 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,288.30	566.35
<i>For Work In Restricted Working Space, Add</i>	306.92	
<i>For Owner Furnished Material, Deduct</i>	-3,265.22	
22 11 19 00-0231 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,830.71	849.52
<i>For Work In Restricted Working Space, Add</i>	460.39	
<i>For Owner Furnished Material, Deduct</i>	-6,296.09	
22 11 19 00-0232 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs <small>(22 11 19 00-0170)</small>		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0233 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,717.53	239.08
<i>For Work In Restricted Working Space, Add</i>	95.63	
<i>For Owner Furnished Material, Deduct</i>	-2,398.78	
22 11 19 00-0234 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,917.81	268.96
<i>For Work In Restricted Working Space, Add</i>	106.09	
<i>For Owner Furnished Material, Deduct</i>	-2,564.18	
22 11 19 00-0235 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,654.10	398.46
<i>For Work In Restricted Working Space, Add</i>	159.29	
<i>For Owner Furnished Material, Deduct</i>	-3,123.15	
22 11 19 00-0236 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,929.07	566.35
<i>For Work In Restricted Working Space, Add</i>	306.92	
<i>For Owner Furnished Material, Deduct</i>	-4,905.99	
22 11 19 00-0237 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,830.71	849.52
<i>For Work In Restricted Working Space, Add</i>	460.39	
<i>For Owner Furnished Material, Deduct</i>	-6,296.09	
22 11 19 00-0238 Grooved Double Check Valve Assemblies <small>(22 11 19 00-0154)</small>		
22 11 19 00-0239 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0238)</small>		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0240 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,855.11	127.51
<i>For Work In Restricted Working Space, Add</i>	95.63	
<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0241 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,060.69	141.46
<i>For Work In Restricted Working Space, Add</i>	106.09	
<i>For Owner Furnished Material, Deduct</i>	-1,707.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0242			N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0238)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
	22 11 19 00-0243	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,392.45	127.51
			<i>For Work In Restricted Working Space, Add</i>	95.63	
			<i>For Owner Furnished Material, Deduct</i>	-2,073.70	
	22 11 19 00-0244	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,592.73	141.46
			<i>For Work In Restricted Working Space, Add</i>	106.09	
			<i>For Owner Furnished Material, Deduct</i>	-2,239.10	
22 11 19 00-0245			Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0153)</small>		
22 11 19 00-0246			Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0245)</small>		
22 11 19 00-0247			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
	22 11 19 00-0248	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	256.28	25.11
			<i>For Work In Restricted Working Space, Add</i>	18.83	
			<i>For Owner Furnished Material, Deduct</i>	-193.51	
	22 11 19 00-0249	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	272.17	27.71
			<i>For Work In Restricted Working Space, Add</i>	20.78	
			<i>For Owner Furnished Material, Deduct</i>	-202.90	
	22 11 19 00-0250	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	312.88	29.01
			<i>For Work In Restricted Working Space, Add</i>	21.76	
			<i>For Owner Furnished Material, Deduct</i>	-240.36	
	22 11 19 00-0251	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	422.93	41.13
			<i>For Work In Restricted Working Space, Add</i>	30.85	
			<i>For Owner Furnished Material, Deduct</i>	-320.11	
	22 11 19 00-0252	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	503.59	50.21
			<i>For Work In Restricted Working Space, Add</i>	37.67	
			<i>For Owner Furnished Material, Deduct</i>	-378.04	
	22 11 19 00-0253	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	739.15	58.45
			<i>For Work In Restricted Working Space, Add</i>	43.83	
			<i>For Owner Furnished Material, Deduct</i>	-593.04	
	22 11 19 00-0254	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	787.60	67.10
			<i>For Work In Restricted Working Space, Add</i>	50.00	
			<i>For Owner Furnished Material, Deduct</i>	-620.93	
	22 11 19 00-0255	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	953.29	86.58
			<i>For Work In Restricted Working Space, Add</i>	64.94	
			<i>For Owner Furnished Material, Deduct</i>	-736.83	
22 11 19 00-0256			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
	22 11 19 00-0257	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	279.70	25.11
			<i>For Work In Restricted Working Space, Add</i>	18.83	
			<i>For Owner Furnished Material, Deduct</i>	-216.93	
	22 11 19 00-0258	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	296.86	27.71
			<i>For Work In Restricted Working Space, Add</i>	20.78	
			<i>For Owner Furnished Material, Deduct</i>	-227.59	
	22 11 19 00-0259	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	346.71	41.13
			<i>For Work In Restricted Working Space, Add</i>	21.76	
			<i>For Owner Furnished Material, Deduct</i>	-274.19	
	22 11 19 00-0260	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	476.10	41.13
			<i>For Work In Restricted Working Space, Add</i>	30.85	
			<i>For Owner Furnished Material, Deduct</i>	-373.28	
	22 11 19 00-0261	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	570.08	50.21
			<i>For Work In Restricted Working Space, Add</i>	37.67	
			<i>For Owner Furnished Material, Deduct</i>	-444.53	
	22 11 19 00-0262	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	829.82	58.45
			<i>For Work In Restricted Working Space, Add</i>	43.83	
			<i>For Owner Furnished Material, Deduct</i>	-683.71	
	22 11 19 00-0263	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	915.55	67.10
			<i>For Work In Restricted Working Space, Add</i>	50.00	
			<i>For Owner Furnished Material, Deduct</i>	-748.88	
	22 11 19 00-0264	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,110.27	86.58
			<i>For Work In Restricted Working Space, Add</i>	64.94	
			<i>For Owner Furnished Material, Deduct</i>	-893.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0265 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0266 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	422.93	41.13
For Work In Restricted Working Space, Add	30.85	
For Owner Furnished Material, Deduct	-320.11	
22 11 19 00-0267 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	503.59	50.21
For Work In Restricted Working Space, Add	37.67	
For Owner Furnished Material, Deduct	-378.04	
22 11 19 00-0268 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	739.15	58.45
For Work In Restricted Working Space, Add	43.83	
For Owner Furnished Material, Deduct	-593.04	
22 11 19 00-0269 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	787.60	67.10
For Work In Restricted Working Space, Add	50.00	
For Owner Furnished Material, Deduct	-620.93	
22 11 19 00-0270 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	953.29	86.58
For Work In Restricted Working Space, Add	64.94	
For Owner Furnished Material, Deduct	-736.83	
22 11 19 00-0271 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0272 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	476.10	41.13
For Work In Restricted Working Space, Add	30.85	
For Owner Furnished Material, Deduct	-373.28	
22 11 19 00-0273 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	570.08	50.21
For Work In Restricted Working Space, Add	37.67	
For Owner Furnished Material, Deduct	-444.53	
22 11 19 00-0274 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	829.82	58.45
For Work In Restricted Working Space, Add	43.83	
For Owner Furnished Material, Deduct	-683.71	
22 11 19 00-0275 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	915.55	67.10
For Work In Restricted Working Space, Add	50.00	
For Owner Furnished Material, Deduct	-748.88	
22 11 19 00-0276 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,110.27	86.58
For Work In Restricted Working Space, Add	64.94	
For Owner Furnished Material, Deduct	-893.81	
22 11 19 00-0277 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0278 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	606.92	41.13
For Work In Restricted Working Space, Add	30.85	
For Owner Furnished Material, Deduct	-504.10	
22 11 19 00-0279 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	720.49	50.21
For Work In Restricted Working Space, Add	37.67	
For Owner Furnished Material, Deduct	-594.94	
22 11 19 00-0280 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,079.86	58.45
For Work In Restricted Working Space, Add	43.83	
For Owner Furnished Material, Deduct	-933.75	
22 11 19 00-0281 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,173.56	67.10
For Work In Restricted Working Space, Add	50.00	
For Owner Furnished Material, Deduct	-1,006.89	
22 11 19 00-0282 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,376.08	86.58
For Work In Restricted Working Space, Add	64.94	
For Owner Furnished Material, Deduct	-1,159.62	
22 11 19 00-0283 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0284 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	678.54	41.13
For Work In Restricted Working Space, Add	30.85	
For Owner Furnished Material, Deduct	-575.72	
22 11 19 00-0285 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	809.34	50.21
For Work In Restricted Working Space, Add	37.67	
For Owner Furnished Material, Deduct	-683.79	
22 11 19 00-0286 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,203.27	58.45
For Work In Restricted Working Space, Add	43.83	
For Owner Furnished Material, Deduct	-1,057.16	
22 11 19 00-0287 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,319.34	67.10
For Work In Restricted Working Space, Add	50.00	
For Owner Furnished Material, Deduct	-1,152.67	



Plumbing	22
Plumbing Piping	22 10
Facility Water Distribution	22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0288 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,581.09 64.94 -1,364.63	86.58
22 11 19 00-0289 Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0245)</small>		
22 11 19 00-0290 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).</small>		
22 11 19 00-0291 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,078.72 95.63 -1,759.95	239.08
22 11 19 00-0292 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,338.73 106.09 -1,985.10	268.96
22 11 19 00-0293 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).</small>		
22 11 19 00-0294 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,299.28 95.63 -1,980.51	239.08
22 11 19 00-0295 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,597.86 106.09 -2,244.23	268.96
22 11 19 00-0296 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).</small>		
22 11 19 00-0297 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,216.50 95.63 -1,897.73	239.08
22 11 19 00-0298 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,568.51 106.09 -2,214.88	268.96
22 11 19 00-0299 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).</small>		
22 11 19 00-0300 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,589.91 95.63 -2,271.14	239.08
22 11 19 00-0301 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,956.85 106.09 -2,603.22	268.96
22 11 19 00-0302 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).</small>		
22 11 19 00-0303 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,011.32 59.77 -812.09	149.42
22 11 19 00-0304 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,126.55 70.23 -892.46	174.33
22 11 19 00-0305 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,332.47 82.18 -1,058.53	204.21
22 11 19 00-0306 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0289)</small>		
<small>Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).</small>		
22 11 19 00-0307 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,093.76 59.77 -894.53	149.42
22 11 19 00-0308 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,391.66 70.23 -1,157.57	174.33
22 11 19 00-0309 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,475.59 82.18 -1,201.65	204.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0310 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0289)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0311 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,568.93	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-2,250.18	
22 11 19 00-0312 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,894.60	268.96
For Work In Restricted Working Space, Add	106.10	
For Owner Furnished Material, Deduct	-2,540.95	
22 11 19 00-0313 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	3,617.58	398.46
For Work In Restricted Working Space, Add	159.30	
For Owner Furnished Material, Deduct	-3,086.59	
22 11 19 00-0314 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	6,347.36	566.35
For Work In Restricted Working Space, Add	429.72	
For Owner Furnished Material, Deduct	-4,914.97	
22 11 19 00-0315 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	10,756.24	849.52
For Work In Restricted Working Space, Add	644.58	
For Owner Furnished Material, Deduct	-8,607.64	
22 11 19 00-0316 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	13,267.25	1,004.81
For Work In Restricted Working Space, Add	548.08	
For Owner Furnished Material, Deduct	-11,440.33	
22 11 19 00-0317 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0289)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0318 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	2,771.74	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-2,452.99	
22 11 19 00-0319 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,133.57	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-2,779.94	
22 11 19 00-0320 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	4,078.29	398.46
For Work In Restricted Working Space, Add	159.29	
For Owner Furnished Material, Deduct	-3,547.34	
22 11 19 00-0321 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	6,813.73	566.35
For Work In Restricted Working Space, Add	306.92	
For Owner Furnished Material, Deduct	-5,790.65	
22 11 19 00-0322 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	11,615.96	849.52
For Work In Restricted Working Space, Add	460.39	
For Owner Furnished Material, Deduct	-10,081.34	
22 11 19 00-0323 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	15,800.54	1,004.81
For Work In Restricted Working Space, Add	548.08	
For Owner Furnished Material, Deduct	-13,973.62	
22 11 19 00-0324 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0289)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0325 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,652.47	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-2,333.72	
22 11 19 00-0326 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,068.97	268.96
For Work In Restricted Working Space, Add	106.10	
For Owner Furnished Material, Deduct	-2,715.32	
22 11 19 00-0327 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,716.52	398.46
For Work In Restricted Working Space, Add	159.30	
For Owner Furnished Material, Deduct	-3,185.53	
22 11 19 00-0328 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	6,093.14	566.35
For Work In Restricted Working Space, Add	306.92	
For Owner Furnished Material, Deduct	-5,070.06	
22 11 19 00-0329 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	10,388.46	849.52
For Work In Restricted Working Space, Add	460.39	
For Owner Furnished Material, Deduct	-8,853.84	
22 11 19 00-0330 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	14,532.91	1,004.81
For Work In Restricted Working Space, Add	548.08	
For Owner Furnished Material, Deduct	-12,705.99	
22 11 19 00-0331 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0289)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0332 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,252.58	239.08
For Work In Restricted Working Space, Add	95.63	
For Owner Furnished Material, Deduct	-3,933.81	
22 11 19 00-0333 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,795.74	268.96
For Work In Restricted Working Space, Add	106.09	
For Owner Furnished Material, Deduct	-4,442.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0334			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0289)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0335	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	4,441.04	239.08
			<i>For Work In Restricted Working Space, Add</i>	95.63	
			<i>For Owner Furnished Material, Deduct</i>	-4,122.27	
22 11 19 00-0336	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	5,150.00	268.96
			<i>For Work In Restricted Working Space, Add</i>	106.09	
			<i>For Owner Furnished Material, Deduct</i>	-4,796.37	
22 11 19 00-0337			Double Check Detector Assemblies <small>(22 11 19 00-0153)</small>		
22 11 19 00-0338			Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0337)</small>		
22 11 19 00-0339			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0338)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0340	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,770.43	268.96
			<i>For Work In Restricted Working Space, Add</i>	106.09	
			<i>For Owner Furnished Material, Deduct</i>	-3,416.80	
22 11 19 00-0341	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	4,027.03	398.46
			<i>For Work In Restricted Working Space, Add</i>	159.29	
			<i>For Owner Furnished Material, Deduct</i>	-3,496.08	
22 11 19 00-0342	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,562.87	566.35
			<i>For Work In Restricted Working Space, Add</i>	306.92	
			<i>For Owner Furnished Material, Deduct</i>	-4,539.79	
22 11 19 00-0343	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,740.55	849.52
			<i>For Work In Restricted Working Space, Add</i>	460.39	
			<i>For Owner Furnished Material, Deduct</i>	-8,205.93	
22 11 19 00-0344	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	13,041.65	1,004.81
			<i>For Work In Restricted Working Space, Add</i>	548.08	
			<i>For Owner Furnished Material, Deduct</i>	-11,214.73	
22 11 19 00-0345			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0338)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0346	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,850.06	239.08
			<i>For Work In Restricted Working Space, Add</i>	95.63	
			<i>For Owner Furnished Material, Deduct</i>	-2,531.29	
22 11 19 00-0347	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,050.14	268.96
			<i>For Work In Restricted Working Space, Add</i>	106.09	
			<i>For Owner Furnished Material, Deduct</i>	-2,696.51	
22 11 19 00-0348	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,396.77	398.46
			<i>For Work In Restricted Working Space, Add</i>	159.29	
			<i>For Owner Furnished Material, Deduct</i>	-2,865.82	
22 11 19 00-0349	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,744.32	566.35
			<i>For Work In Restricted Working Space, Add</i>	306.92	
			<i>For Owner Furnished Material, Deduct</i>	-3,721.24	
22 11 19 00-0350	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	8,261.09	849.52
			<i>For Work In Restricted Working Space, Add</i>	460.39	
			<i>For Owner Furnished Material, Deduct</i>	-6,726.47	
22 11 19 00-0351	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,749.81	1,004.81
			<i>For Work In Restricted Working Space, Add</i>	548.08	
			<i>For Owner Furnished Material, Deduct</i>	-7,922.89	
22 11 19 00-0352			Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0338)</small>		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0353	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,009.33	239.08
			<i>For Work In Restricted Working Space, Add</i>	95.63	
			<i>For Owner Furnished Material, Deduct</i>	-2,690.56	
22 11 19 00-0354	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,209.42	268.96
			<i>For Work In Restricted Working Space, Add</i>	106.09	
			<i>For Owner Furnished Material, Deduct</i>	-2,855.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0355 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,556.01 159.29 -3,025.06	398.46
22 11 19 00-0356 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,907.57 306.92 -3,884.49	566.35
22 11 19 00-0357 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,065.22 460.39 -6,530.60	849.52
22 11 19 00-0358 Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0337)		
22 11 19 00-0359 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0358) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0360 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	2,799.77 95.63	239.08
22 11 19 00-0361 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	2,999.88 106.09	268.96
22 11 19 00-0362 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	3,346.50 159.29	398.46
22 11 19 00-0363 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	4,694.05 306.92	566.35
22 11 19 00-0364 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	8,210.86 460.39	849.52
22 11 19 00-0365 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	9,699.50 548.08	1,004.81
22 11 19 00-0366 Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0359) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0367 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	2,959.03 95.63	239.08
22 11 19 00-0368 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	3,159.12 106.09	268.96
22 11 19 00-0369 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	3,505.74 159.29	398.46
22 11 19 00-0370 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	4,857.27 306.92	566.35
22 11 19 00-0371 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	8,374.11 460.39	849.52
22 11 19 00-0372 Flanged Double Check Detector Assemblies (22 11 19 00-0337)		
22 11 19 00-0373 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs (22 11 19 00-0372) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0374 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,708.77 95.63 -2,390.00	239.08
22 11 19 00-0375 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,263.05 106.09 -2,909.42	268.96
22 11 19 00-0376 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,687.40 159.29 -3,156.45	398.46
22 11 19 00-0377 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,800.91 306.92 -3,777.83	566.35
22 11 19 00-0378 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,363.43 460.39 -6,828.81	849.52
22 11 19 00-0379 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,159.54 548.08 -9,332.62	1,004.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0380 EA 12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	14,776.70	1,205.77
For Work In Restricted Working Space, Add	657.69	
For Owner Furnished Material, Deduct	-12,584.40	
22 11 19 00-0381 Backflow Preventer Accessories (22 11 19 00-0153)		
22 11 19 00-0382 Air Gap (22 11 19 00-0381)		
22 11 19 00-0383 EA Up To 1" Diameter Air Gap For Backflow Preventer	71.33	13.53
22 11 19 00-0384 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	87.35	16.23
22 11 19 00-0385 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	155.02	21.65
22 11 19 00-0386 EA 4" To 6" Diameter Air Gap For Backflow Preventer	301.61	37.88
22 11 19 00-0387 EA 8" To 10" Diameter Air Gap For Backflow Preventer	334.08	54.11
22 11 19 00-0388 Brass Test Cocks (22 11 19 00-0381)		
22 11 19 00-0389 EA 1/8" Or 1/4" Brass Test Cock	23.96	5.41
22 11 19 00-0390 Backflow Valve Enclosures (22 11 19 00-0153)		
22 11 19 00-0391 Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0392 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	656.21	97.40
For Heated Enclosure, Add	74.08	
22 11 19 00-0393 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	794.40	97.40
For Heated Enclosure, Add	94.81	
22 11 19 00-0394 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	988.16	89.66
For Heated Enclosure, Add	125.81	
22 11 19 00-0395 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,041.58	119.54
For Heated Enclosure, Add	126.35	
22 11 19 00-0396 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,088.44	119.54
For Heated Enclosure, Add	133.38	
22 11 19 00-0397 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,271.09	119.54
For Heated Enclosure, Add	160.78	
22 11 19 00-0398 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,275.90	119.54
For Heated Enclosure, Add	161.50	
22 11 19 00-0399 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,587.12	119.54
For Heated Enclosure, Add	208.18	
22 11 19 00-0400 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,602.15	179.30
For Heated Enclosure, Add	495.50	
22 11 19 00-0401 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,172.69	179.30
For Heated Enclosure, Add	731.08	
22 11 19 00-0402 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,920.35	179.30
For Heated Enclosure, Add	693.23	
22 11 19 00-0403 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,920.65	209.19
For Heated Enclosure, Add	835.80	
22 11 19 00-0404 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0405 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	343.70	25.97
For Heated Enclosure, Add	60.08	
22 11 19 00-0406 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	471.07	25.97
For Heated Enclosure, Add	85.56	
22 11 19 00-0407 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	585.39	23.91
For Heated Enclosure, Add	109.11	
22 11 19 00-0408 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	876.19	23.91
For Heated Enclosure, Add	167.27	
22 11 19 00-0409 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,256.90	44.82
For Heated Enclosure, Add	436.44	
22 11 19 00-0410 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,070.41	44.82
For Heated Enclosure, Add	599.14	
22 11 19 00-0411 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,055.02	44.82
For Heated Enclosure, Add	396.06	
22 11 19 00-0412 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,321.79	44.82
For Heated Enclosure, Add	449.41	
22 11 19 00-0413 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,615.95	44.82
For Heated Enclosure, Add	708.25	
22 11 19 00-0414 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0415 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,665.01	194.82
For Heated Enclosure, Add	651.05	
For One 24" Fluorescent Light Fixture, Add	412.09	
For Two 24" Fluorescent Light Fixture, Add	737.42	
22 11 19 00-0416 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,130.05	194.82
For Heated Enclosure, Add	720.80	
For One 24" Fluorescent Light Fixture, Add	412.09	
For Two 24" Fluorescent Light Fixture, Add	737.42	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0417 EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	3,658.63 503.97 412.09 737.42	179.30
22 11 19 00-0418 EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,002.29 555.52 412.09 737.42	179.30
22 11 19 00-0419 EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,675.10 641.50 412.09 737.42	239.08
22 11 19 00-0420 EA 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,225.45 724.05 412.09 737.42	239.08
22 11 19 00-0421 EA 90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,225.45 724.05 412.09 737.42	239.08
22 11 19 00-0422 EA 102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,758.98 804.08 412.09 737.42	239.08
22 11 19 00-0423 EA 62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,341.70 598.96 412.09 737.42	209.19
22 11 19 00-0424 EA 62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,080.05 702.24 412.09 737.42	239.08
22 11 19 00-0425 EA 105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,912.79 827.15 412.09 737.42	239.08
22 11 19 00-0426 EA 125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,485.64 909.34 412.09 737.42	254.02
22 11 19 00-0427 EA 105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,660.43 930.07 412.09 737.42	275.99
22 11 19 00-0428 EA 125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,374.83 1,033.17 412.09 737.42	292.22
22 11 19 00-0429 EA 105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,611.24 1,074.45 412.09 737.42	268.96
22 11 19 00-0430 EA 72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,552.29 773.07 412.09 737.42	239.08
22 11 19 00-0431 EA 72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,909.18 826.61 412.09 737.42	239.08
22 11 19 00-0432 EA 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,676.70 938.00 412.09 737.42	254.02
22 11 19 00-0433 EA 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,069.06 1,143.12 412.09 737.42	268.96
22 11 19 00-0434 EA 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,060.88 991.89 412.09 737.42	119.54
22 11 19 00-0435 EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,461.67 1,198.28 412.09 737.42	119.54
22 11 19 00-0436 EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,186.50 1,157.00 412.09 737.42	179.30
22 11 19 00-0437 EA 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,489.62 1,345.00 412.09 737.42	179.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0438	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,761.75 1,239.55 412.09 737.42	179.30
22 11 19 00-0439	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,228.29 1,452.06 412.09 737.42	209.19
22 11 19 00-0440	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,278.10 1,452.06 412.09 737.42	179.30
22 11 19 00-0441	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,172.42 1,728.74 412.09 737.42	179.30
22 11 19 00-0442			Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0443			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0442)		
22 11 19 00-0444	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	50.81	10.82
22 11 19 00-0445	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	59.85	11.90
22 11 19 00-0446	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	16.59	8.12
22 11 19 00-0447			Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0442)		
22 11 19 00-0448	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	112.80	33.12
22 11 19 00-0449			Antisiphon Freezeless Wall Faucet (22 11 19 00-0442)		
22 11 19 00-0450	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	116.66	27.06
22 11 19 00-0451	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	126.96	29.98
22 11 19 00-0452	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	134.55	31.71
22 11 19 00-0453	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	142.13	33.98
22 11 19 00-0454	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	149.82	36.04
22 11 19 00-0455			Escutcheons (22 11 19)		
22 11 19 00-0456			Brass Escutcheons (22 11 19 00-0455)		
22 11 19 00-0457			Shallow Brass Escutcheons (22 11 19 00-0456)		
22 11 19 00-0458	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	11.46	2.70
22 11 19 00-0459	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	12.29	2.70
22 11 19 00-0460			Deep Bell Brass Escutcheons (22 11 19 00-0456)		
22 11 19 00-0461	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.37	3.04
22 11 19 00-0462	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	13.39	3.04
22 11 19 00-0463			Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0456)		
22 11 19 00-0464	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.85	2.70
22 11 19 00-0465	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.97	2.70
22 11 19 00-0466	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.14	2.70
22 11 19 00-0467	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.76	2.70
22 11 19 00-0468	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.10	3.25
22 11 19 00-0469	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.70	3.25
22 11 19 00-0470	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.42	3.57
22 11 19 00-0471	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	17.28	3.79
22 11 19 00-0472	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.76	4.33
22 11 19 00-0473			Plastic Escutcheons (22 11 19 00-0455)		
22 11 19 00-0474			Split-Ring White Plastic Escutcheons (22 11 19 00-0473)		
22 11 19 00-0475	EA		3/8" IPS, Split-Ring White Plastic Escutcheon.....	5.63	2.70
22 11 19 00-0476	EA		1/2" IPS, Split-Ring White Plastic Escutcheon.....	5.63	2.70
22 11 19 00-0477	EA		3/4" IPS, Split-Ring White Plastic Escutcheon.....	6.28	3.02
22 11 19 00-0478	EA		1" IPS, Split-Ring White Plastic Escutcheon.....	6.84	3.24
22 11 19 00-0479	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	7.40	3.56
22 11 19 00-0480	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	7.95	3.78
22 11 19 00-0481	EA		2" IPS, Split-Ring White Plastic Escutcheon.....	9.07	4.31
22 11 19 00-0482	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	10.10	4.65
22 11 19 00-0483	EA		3" IPS, Split-Ring White Plastic Escutcheon.....	11.13	4.86
22 11 19 00-0484	EA		4" IPS, Split-Ring White Plastic Escutcheon.....	12.69	5.40
22 11 19 00-0485			Chrome Plate Plastic Escutcheons (22 11 19 00-0473)		
22 11 19 00-0486	EA		1/2" IPS, Chrome Plate Plastic Escutcheon.....	6.04	2.70
22 11 19 00-0487	EA		3/4" IPS, Chrome Plate Plastic Escutcheon.....	6.63	3.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0488 EA 1" IPS, Chrome Plate Plastic Escutcheon.....	7.29	3.24
22 11 19 00-0489 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	7.95	3.56
22 11 19 00-0490 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	8.49	3.78
22 11 19 00-0491 EA 2" IPS, Chrome Plate Plastic Escutcheon.....	10.00	4.31
22 11 19 00-0492 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	11.77	4.65
22 11 19 00-0493 EA 3" IPS, Chrome Plate Plastic Escutcheon.....	12.36	4.86
22 11 19 00-0494 EA 4" IPS, Chrome Plate Plastic Escutcheon.....	13.54	5.40
22 11 19 00-0495 Stainless Steel Escutcheons (22 11 19 00-0455)		
22 11 19 00-0496 Shallow Stainless Steel Escutcheons (22 11 19 00-0495)		
22 11 19 00-0497 EA 3/8" IPS, Shallow Stainless Steel Escutcheon.....	12.10	2.70
22 11 19 00-0498 EA 1/2" IPS, Shallow Stainless Steel Escutcheon.....	12.10	2.70
22 11 19 00-0499 EA 3/4" IPS, Shallow Stainless Steel Escutcheon.....	16.08	3.04
22 11 19 00-0500 Chrome Plated Steel Escutcheons (22 11 19 00-0455)		
22 11 19 00-0501 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0500)		
22 11 19 00-0502 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.75	2.70
22 11 19 00-0503 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.29	3.02
22 11 19 00-0504 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.90	3.24
22 11 19 00-0505 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.44	3.56
22 11 19 00-0506 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.97	3.78
22 11 19 00-0507 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.16	4.31
22 11 19 00-0508 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	12.08	4.65
22 11 19 00-0509 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	12.81	4.86
22 11 19 00-0510 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.00	5.19
22 11 19 00-0511 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.05	5.40
22 11 19 00-0512 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.21	5.94
22 11 19 00-0513 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	19.67	6.48
22 11 19 00-0514 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0500)		
22 11 19 00-0515 EA 3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.74	2.70
22 11 19 00-0516 EA 1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.74	2.70
22 11 19 00-0517 EA 3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.36	3.02
22 11 19 00-0518 EA 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	9.13	3.24
22 11 19 00-0519 EA 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	9.95	3.56
22 11 19 00-0520 EA 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.58	3.78
22 11 19 00-0521 EA 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.41	4.31
22 11 19 00-0522 EA 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.94	4.65
22 11 19 00-0523 EA 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	16.35	4.86
22 11 19 00-0524 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	19.32	5.19
22 11 19 00-0525 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	19.78	5.40
22 11 19 00-0526 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	29.99	5.94
22 11 19 00-0527 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	31.56	6.48
22 11 19 00-0528 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0500)		
22 11 19 00-0529 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.83	3.04
22 11 19 00-0530 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.77	3.04
22 11 19 00-0531 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.65	3.04
22 11 19 00-0532 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.23	3.25
22 11 19 00-0533 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.85	3.57
22 11 19 00-0534 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	8.56	3.79
22 11 19 00-0535 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0500)		
22 11 19 00-0536 EA 3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.42	2.70
22 11 19 00-0537 EA 1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.42	2.70
22 11 19 00-0538 EA 3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.47	2.70
22 11 19 00-0539 EA 1" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.88	3.25
22 11 19 00-0540 EA 1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.46	3.57
22 11 19 00-0541 EA 1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.17	3.79
22 11 19 00-0542 EA 2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.28	4.33
22 11 19 00-0543 Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0544 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	212.02	32.39
22 11 19 00-0545 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	233.05	32.39
22 11 19 00-0546 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	264.60	32.39
22 11 19 00-0547 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	265.16	43.19
22 11 19 00-0548 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	296.71	43.19
22 11 19 00-0549 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	306.17	43.19
22 11 19 00-0550 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	245.67	32.39
22 11 19 00-0551 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	291.95	32.39
22 11 19 00-0552 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	332.96	32.39
22 11 19 00-0553 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	324.05	43.19



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0554	EA			12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	365.07	43.19
22 11 19 00-0555	EA			12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	380.85	43.19

22 11 23 Domestic Water Pumps (22 11)

22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)

22 11 23 13-0001	EA			1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,213.61	318.77
22 11 23 13-0003	EA			1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,600.79	428.34
22 11 23 13-0004	EA			2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	9,044.57	537.92
22 11 23 13-0005	EA			3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	9,460.06	647.49
22 11 23 13-0006	EA			5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	10,498.31	757.07
22 11 23 13-0007	EA			7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	11,678.11	866.65
22 11 23 13-0008	EA			10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	12,518.21	976.23

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0010	EA			100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	22,389.07	1,289.54
22 11 23 13-0011	EA			200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	26,849.51	1,370.14
22 11 23 13-0012	EA			300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	31,327.98	1,450.73

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0014	EA			200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	29,262.77	1,370.14
22 11 23 13-0015	EA			300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	36,270.20	1,450.73
22 11 23 13-0016	EA			500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	44,958.93	1,611.93
22 11 23 13-0017	EA			750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	56,785.26	1,773.12
22 11 23 13-0018	EA			1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	68,611.58	1,934.31
22 11 23 13-0019	EA			1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	79,881.44	2,176.09
22 11 23 13-0020	EA			2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	91,151.31	2,417.88
22 11 23 13-0021	EA			3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	102,421.17	2,659.68
22 11 23 13-0022	EA			5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	113,892.53	2,982.06

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA			40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	22,097.53	1,291.60
22 11 23 13-0025	EA			40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	23,066.15	1,291.60
22 11 23 13-0026	EA			80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	24,450.18	1,291.60
22 11 23 13-0027	EA			80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	26,445.26	1,291.60
22 11 23 13-0028	EA			160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	25,075.83	1,372.32
22 11 23 13-0029	EA			160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	26,817.44	1,372.32
22 11 23 13-0030	EA			160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	29,182.72	1,372.32
22 11 23 13-0031	EA			160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	31,105.22	1,372.32
22 11 23 13-0032	EA			240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	27,365.26	1,453.04
22 11 23 13-0033	EA			280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	29,084.79	1,453.04
22 11 23 13-0034	EA			240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	32,929.81	1,453.04
22 11 23 13-0035	EA			240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	39,383.04	1,453.04
22 11 23 13-0036	EA			360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	28,842.90	1,453.04
22 11 23 13-0037	EA			360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	32,350.32	1,453.04
22 11 23 13-0038	EA			360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	40,070.85	1,453.04
22 11 23 13-0039	EA			360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	39,847.89	1,453.04
22 11 23 13-0040	EA			440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	47,438.84	1,614.49
22 11 23 13-0041	EA			440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	32,977.96	1,614.49
22 11 23 13-0042	EA			440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	40,008.58	1,614.49
22 11 23 13-0043	EA			440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	39,786.67	1,614.49

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	47,783.79	1,614.49
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	57,565.66	1,614.49
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	27,684.16	1,291.60
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small>					
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.					
22 11 23 13-0048	EA		60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	27,684.16	1,291.60
22 11 23 13-0049	EA		120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	30,858.19	1,291.60
22 11 23 13-0050	EA		60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	33,596.82	1,291.60
22 11 23 13-0051	EA		180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	31,060.00	1,372.32
22 11 23 13-0052	EA		180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	33,779.70	1,372.32
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	31,695.23	1,372.32
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	34,033.16	1,372.32
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	37,248.20	1,372.32
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	39,913.21	1,372.32
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	32,050.59	1,453.04
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	34,388.51	1,453.04
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	37,602.51	1,453.04
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	40,267.52	1,453.04
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	34,679.84	1,453.04
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	36,925.22	1,453.04
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	42,472.93	1,453.04
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	51,525.97	1,453.04
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	35,542.01	1,614.49
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	37,788.44	1,614.49
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	43,336.16	1,614.49
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	52,388.14	1,614.49
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	37,424.55	1,614.49
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	42,466.40	1,614.49
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	53,418.80	1,614.49
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	54,479.97	1,614.49
22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	67,193.97	1,614.49
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	42,496.43	1,937.39
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	50,805.92	1,937.39
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	53,956.81	1,937.39
22 11 23 13-0077	EA		660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	64,765.13	1,937.39
22 11 23 13-0078	EA		660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	79,889.63	1,937.39
22 11 23 39 In-Line Centrifugal Domestic Water Booster Pumps <small>(22 11 23)</small>					
22 11 23 39-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps <small>(22 11 23 39)</small>					
Note: ODP motor.					
22 11 23 39-0002	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	688.69	179.30
22 11 23 39-0003	EA		1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	702.36	179.30
22 11 23 39-0004	EA		1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	730.64	182.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 39-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	794.70	190.26
22 11 23 39-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,289.67	197.32
22 11 23 39-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,363.38	197.32
22 11 23 39-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,964.92	217.25
22 11 23 39-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,060.35	238.67
22 11 23 39-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,469.78	262.59
22 11 23 39-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,543.59	289.00
22 11 23 39-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,782.96	317.40
22 11 23 39-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,889.18	349.30
22 11 23 39-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,446.50	366.23
22 11 23 39-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)		
Note: ODP motor.		
22 11 23 39-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	693.72	179.30
22 11 23 39-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,040.87	179.30
22 11 23 39-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,048.08	182.79
22 11 23 39-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,067.20	186.77
22 11 23 39-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,074.16	190.26
22 11 23 39-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,097.81	197.32
22 11 23 39-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,317.91	217.25
22 11 23 39-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,683.29	262.59
22 11 23 39-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,785.18	289.00
22 11 23 39-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,064.30	317.40
22 11 23 39-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,707.09	349.30
22 11 23 39-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,124.69	366.23
22 11 23 39-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,964.29	384.67
22 11 23 39-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,195.47	422.83
22 11 23 39-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,510.73	448.44
22 11 23 39-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,363.29	498.27
22 11 23 39-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,693.16	598.02
22 11 23 39-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,925.83	697.89
22 12 Facility Potable-Water Storage Tanks (22 10)		
22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)		
22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	20,280.01	7,090.32
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	21,833.62	7,090.32
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	37,074.58	10,941.88
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	47,925.30	14,180.64
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	22,581.65	7,090.32
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	27,990.53	7,090.32
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	42,354.22	10,941.88
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	58,089.52	14,180.64
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)		
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,167.21	398.46
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,427.70	498.07
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,875.72	547.88
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,390.19	597.69
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	7,068.68	647.49
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	9,154.48	697.30
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	10,281.60	747.11
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	14,414.26	796.91
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	15,654.76	846.72
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	18,627.80	896.53
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,867.24	398.46
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,930.58	498.07
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,398.65	547.88
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,428.77	597.69

22	Plumbing
22 10	Plumbing Piping
22 12	Facility Potable-Water Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,622.66	597.69
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	5,767.95	647.49
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,274.40	697.30
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	5,929.21	697.30
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,682.36	697.30
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	7,352.38	747.11
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,866.76	796.91
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,438.04	846.72
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	14,294.78	896.53

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank	486.93	224.14
For Saddle Assembly, Add	527.63	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank	569.74	261.49
For Saddle Assembly, Add	527.63	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank	669.05	298.84
For Saddle Assembly, Add	583.73	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank	798.05	336.20
For Saddle Assembly, Add	802.63	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank	939.16	373.56
For Two Tie Down Bands, Add	315.81	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,157.23	454.68
For Two Tie Down Bands, Add	331.21	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,651.28	530.46
For Three Tie Down Bands, Add	546.31	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,298.81	606.24
For Three Tie Down Bands, Add	549.61	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,829.95	682.03
For Four Tie Down Bands, Add	741.62	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,293.39	757.81
For Four Tie Down Bands, Add	966.02	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,576.44	833.58
For Four Tie Down Bands, Add	1,212.42	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,271.48	909.36
For Four Tie Down Bands, Add	1,296.02	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,522.64	1,212.49
For Four Tie Down Bands, Add	1,441.22	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,544.34	1,212.49
For Five Tie Down Bands, Add	2,203.01	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank	564.55	298.84
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank	654.36	317.52
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank	711.15	336.20
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank	841.26	373.56
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank	972.78	448.26
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,144.99	522.98
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,472.71	606.24
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,892.59	757.81
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,486.28	909.36
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,183.35	1,060.93
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,499.74	1,212.49
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,945.91	1,364.04
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,724.40	1,515.61
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,408.28	1,667.17
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,481.56	1,818.72
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,536.14	1,970.29
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,635.72	2,121.85
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,931.89	2,424.97

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0285 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 757.36 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	757.36	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 915.79 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	915.79	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 705.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	705.08	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 439.81 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	439.81	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 516.90 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	516.90	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 681.41 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	681.41	
22 13 13 00-0009	EA	Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 706.72 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	706.72	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 430.33 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	430.33	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 705.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	705.08	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 738.12 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	738.12	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 688.29 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	688.29	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 757.36 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	757.36	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,177.95 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,177.95	
22 13 13 00-0016	EA	Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 731.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	731.65	
22 13 13 00-0017		Double Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 952.06 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	952.06	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,227.69 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,227.69	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 825.13 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	825.13	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 507.05 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	507.05	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 712.76 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	712.76	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 749.46 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	749.46	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 486.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	486.65	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 835.08 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	835.08	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 767.41 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	767.41	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 742.52 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	742.52	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 952.06 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	952.06	
22 13 13 00-0029		Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 475.56 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	475.56	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 613.83 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	613.83	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 413.06 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	413.06	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 254.02 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	254.02	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 356.39 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	356.39	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 374.71 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	374.71	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 268.22 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	268.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet.....	417.05	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	383.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	371.74	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	468.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001)		
Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	430.18	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043 EA Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	392.26	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0044 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	423.04	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045 EA Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	239.83	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046 EA Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	279.66	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047 EA Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	401.43	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048 EA Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	390.07	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049 EA Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	242.25	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050 EA Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	423.04	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	460.73	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	417.05	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	430.06	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	656.04	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	411.86	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001)		
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	493.07	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	506.66	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	431.65	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	248.85	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	398.15	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.		
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	410.57	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.		
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	249.81	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	440.49	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	464.66	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 13 00-0066	EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	442.43	
	22 13 13 00-0067	EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	493.07	
	22 13 13 00-0068	Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
	22 13 13 00-0069	EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	246.13	
	22 13 13 00-0070	EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	252.84	
	22 13 13 00-0071	EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	216.10	
	22 13 13 00-0072	EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	124.47	
	22 13 13 00-0073	EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	199.05	
	22 13 13 00-0074	EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	205.04	
	22 13 13 00-0075	EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	124.90	
	22 13 13 00-0076	EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	220.15	
	22 13 13 00-0077	EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	232.36	
	22 13 13 00-0078	EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	221.64	
	22 13 13 00-0079	EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	239.52	
	22 13 16	Sanitary Waste And Vent Piping <small>(22 13)</small>		
	22 13 16 00-0001	Cast Iron Soil Pipe Assemblies <small>(22 13 16)</small>		
	22 13 16 00-0002	Underground Bell And Spigot Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
	22 13 16 00-0003	LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	25.09	6.27
		<i>For Work In Restricted Working Space, Add</i>	4.60	
	22 13 16 00-0004	LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.41	9.46
		<i>For Work In Restricted Working Space, Add</i>	6.25	
	22 13 16 00-0005	LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	45.86	12.06
		<i>For Work In Restricted Working Space, Add</i>	8.03	
	22 13 16 00-0006	LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	51.31	14.25
		<i>For Work In Restricted Working Space, Add</i>	8.02	
	22 13 16 00-0007	LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	59.63	15.53
		<i>For Work In Restricted Working Space, Add</i>	8.91	
	22 13 16 00-0008	LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	92.71	22.16
		<i>For Work In Restricted Working Space, Add</i>	12.55	
	22 13 16 00-0009	LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	130.82	22.16
		<i>For Work In Restricted Working Space, Add</i>	14.21	
	22 13 16 00-0010	Aboveground No Hub Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	21.89 4.99	5.97
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.36 5.38	6.37
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	30.38 6.91	9.26
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	37.50 8.51	12.06
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	59.24 13.34	13.98
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	64.87 14.27	15.26
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	105.42 22.88	21.98
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	103.39 16.67	24.97
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.29 3.28 0.47 2.85	6.27
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.41 4.70 0.71 4.27	9.46
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.65 6.11 0.91 5.43	12.06
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.84 8.62 1.07 6.40	14.25
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.24 10.50 1.16 6.98	15.53
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.12 16.33 1.66 9.98	22.16
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.13 27.18 1.87 11.22	24.97
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.88 39.48 2.49 14.96	33.29
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.25 57.71 2.99 17.96	39.93
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.05 12.32 2.14 12.85	28.59



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep.....	125.29	35.97
For Extra Heavy Fittings, Add	25.01	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep.....	166.90	47.82
For Extra Heavy Fittings, Add	33.33	
For Above Ground Cast Iron Pipe Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep.....	250.71	60.28
For Extra Heavy Fittings, Add	56.12	
For Above Ground Cast Iron Pipe Installation, Add	4.52	
For Work In Restricted Working Space, Add	27.11	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep.....	474.52	77.99
For Extra Heavy Fittings, Add	125.17	
For Above Ground Cast Iron Pipe Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.07	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep.....	643.37	95.95
For Extra Heavy Fittings, Add	174.82	
For Above Ground Cast Iron Pipe Installation, Add	7.19	
For Work In Restricted Working Space, Add	43.16	
22 13 16 00-0038 EA 12" Bell And Spigot Cast Iron Long Sweep.....	979.54	133.91
For Extra Heavy Fittings, Add	272.56	
For Above Ground Cast Iron Pipe Installation, Add	10.04	
For Work In Restricted Working Space, Add	60.24	
22 13 16 00-0039 EA 15" Bell And Spigot Cast Iron Long Sweep.....	1,785.75	186.48
For Extra Heavy Fittings, Add	527.16	
For Above Ground Cast Iron Pipe Installation, Add	13.98	
For Work In Restricted Working Space, Add	83.87	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041 EA 2" Bell And Spigot Cast Iron Short Sweep.....	68.76	28.59
For Extra Heavy Fittings, Add	9.07	
For Above Ground Cast Iron Pipe Installation, Add	2.14	
For Work In Restricted Working Space, Add	12.85	
22 13 16 00-0042 EA 3" Bell And Spigot Cast Iron Short Sweep.....	109.69	35.97
For Extra Heavy Fittings, Add	19.55	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0043 EA 4" Bell And Spigot Cast Iron Short Sweep.....	149.36	47.82
For Extra Heavy Fittings, Add	27.19	
For Above Ground Cast Iron Pipe Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0044 EA 5" Bell And Spigot Cast Iron Short Sweep.....	211.13	51.25
For Extra Heavy Fittings, Add	47.02	
For Above Ground Cast Iron Pipe Installation, Add	3.84	
For Work In Restricted Working Space, Add	23.04	
22 13 16 00-0045 EA 6" Bell And Spigot Cast Iron Short Sweep.....	254.05	60.28
For Extra Heavy Fittings, Add	57.29	
For Above Ground Cast Iron Pipe Installation, Add	4.52	
For Work In Restricted Working Space, Add	27.11	
22 13 16 00-0046 EA 8" Bell And Spigot Cast Iron Short Sweep.....	407.27	77.99
For Extra Heavy Fittings, Add	101.63	
For Above Ground Cast Iron Pipe Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.07	
22 13 16 00-0047 EA 10" Bell And Spigot Cast Iron Short Sweep.....	586.00	95.95
For Extra Heavy Fittings, Add	154.74	
For Above Ground Cast Iron Pipe Installation, Add	7.19	
For Work In Restricted Working Space, Add	43.16	
22 13 16 00-0048 EA 12" Bell And Spigot Cast Iron Short Sweep.....	958.15	133.91
For Extra Heavy Fittings, Add	265.08	
For Above Ground Cast Iron Pipe Installation, Add	10.04	
For Work In Restricted Working Space, Add	60.24	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend.....	63.45	28.49
For Extra Heavy Fittings, Add	7.25	
For Above Ground Cast Iron Pipe Installation, Add	2.14	
For Work In Restricted Working Space, Add	12.83	
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend.....	89.48	32.07
For Extra Heavy Fittings, Add	14.48	
For Above Ground Cast Iron Pipe Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.44	
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend.....	126.15	42.73
For Extra Heavy Fittings, Add	21.73	
For Above Ground Cast Iron Pipe Installation, Add	3.20	
For Work In Restricted Working Space, Add	19.22	
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend.....	151.96	45.76
For Extra Heavy Fittings, Add	29.19	
For Above Ground Cast Iron Pipe Installation, Add	3.43	
For Work In Restricted Working Space, Add	20.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend	182.68	54.81
For Extra Heavy Fittings, Add	35.16	
For Above Ground Cast Iron Pipe Installation, Add	4.11	
For Work In Restricted Working Space, Add	24.67	
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend	356.92	71.82
For Extra Heavy Fittings, Add	87.24	
For Above Ground Cast Iron Pipe Installation, Add	5.38	
For Work In Restricted Working Space, Add	32.30	
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend	516.32	87.16
For Extra Heavy Fittings, Add	134.98	
For Above Ground Cast Iron Pipe Installation, Add	6.53	
For Work In Restricted Working Space, Add	39.20	
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend	674.28	102.87
For Extra Heavy Fittings, Add	182.01	
For Above Ground Cast Iron Pipe Installation, Add	7.71	
For Work In Restricted Working Space, Add	46.28	
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend	1,669.10	162.25
For Extra Heavy Fittings, Add	499.06	
For Above Ground Cast Iron Pipe Installation, Add	12.16	
For Work In Restricted Working Space, Add	72.97	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend	59.36	28.59
For Extra Heavy Fittings, Add	5.78	
For Above Ground Cast Iron Pipe Installation, Add	2.14	
For Work In Restricted Working Space, Add	12.85	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend	87.94	35.97
For Extra Heavy Fittings, Add	11.94	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend	123.41	47.82
For Extra Heavy Fittings, Add	18.11	
For Above Ground Cast Iron Pipe Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend	151.07	57.27
For Extra Heavy Fittings, Add	22.83	
For Above Ground Cast Iron Pipe Installation, Add	4.29	
For Work In Restricted Working Space, Add	25.75	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend	173.47	63.85
For Extra Heavy Fittings, Add	27.19	
For Above Ground Cast Iron Pipe Installation, Add	4.79	
For Work In Restricted Working Space, Add	28.73	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend	323.37	86.03
For Extra Heavy Fittings, Add	68.03	
For Above Ground Cast Iron Pipe Installation, Add	6.45	
For Work In Restricted Working Space, Add	38.70	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend	444.68	106.14
For Extra Heavy Fittings, Add	99.93	
For Above Ground Cast Iron Pipe Installation, Add	7.96	
For Work In Restricted Working Space, Add	47.75	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend	700.34	137.66
For Extra Heavy Fittings, Add	172.90	
For Above Ground Cast Iron Pipe Installation, Add	10.32	
For Work In Restricted Working Space, Add	61.90	
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend	1,287.70	162.25
For Extra Heavy Fittings, Add	365.57	
For Above Ground Cast Iron Pipe Installation, Add	12.16	
For Work In Restricted Working Space, Add	72.97	
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye	111.68	63.86
For Extra Heavy Fittings, Add	5.57	
For Above Ground Cast Iron Pipe Installation, Add	4.79	
For Work In Restricted Working Space, Add	28.73	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye	134.64	69.93
For Extra Heavy Fittings, Add	10.42	
For Above Ground Cast Iron Pipe Installation, Add	5.24	
For Work In Restricted Working Space, Add	31.46	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye	177.00	91.65
For Extra Heavy Fittings, Add	13.87	
For Above Ground Cast Iron Pipe Installation, Add	6.87	
For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye	213.84	98.56
For Extra Heavy Fittings, Add	23.11	
For Above Ground Cast Iron Pipe Installation, Add	7.39	
For Work In Restricted Working Space, Add	44.34	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye	264.65	116.83
For Extra Heavy Fittings, Add	31.31	
For Above Ground Cast Iron Pipe Installation, Add	8.76	
For Work In Restricted Working Space, Add	52.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.95 76.78 11.78 70.67	157.11
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	615.40 121.87 13.36 80.16	178.24
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	885.46 196.06 16.26 97.58	216.96
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,324.16 335.72 18.25 109.49	243.43
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.26 20.01 5.00 30.03	66.74
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.12 23.94 6.19 37.11	82.48
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.15 29.15 6.34 38.06	84.57
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.69 48.58 7.84 47.06	104.69
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.96 50.09 7.99 47.96	106.60
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	318.25 51.71 8.53 51.16	113.72
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	446.85 90.11 9.47 56.82	126.35
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	465.34 95.31 9.65 57.91	128.77
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.17 96.59 10.11 60.66	134.85
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	560.06 117.29 11.25 67.48	150.01
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.16 159.74 10.54 63.23	140.56
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	694.30 165.99 11.00 66.02	146.74
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	760.44 181.03 12.16 72.97	162.25
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	983.08 253.78 12.90 77.40	172.08
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,009.19 262.92 12.90 77.40	172.08
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,054.24 271.13 13.98 83.87	186.48

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0096 EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,225.70	195.73
For Extra Heavy Fittings, Add	326.31	
For Above Ground Cast Iron Pipe Installation, Add	14.67	
For Work In Restricted Working Space, Add	88.02	
22 13 16 00-0097 EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,470.77	201.53
For Extra Heavy Fittings, Add	409.01	
For Above Ground Cast Iron Pipe Installation, Add	15.11	
For Work In Restricted Working Space, Add	90.65	
22 13 16 00-0098 EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,356.41	190.03
For Extra Heavy Fittings, Add	725.03	
For Above Ground Cast Iron Pipe Installation, Add	14.25	
For Work In Restricted Working Space, Add	85.47	
22 13 16 00-0099 EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,463.17	205.65
For Extra Heavy Fittings, Add	754.18	
For Above Ground Cast Iron Pipe Installation, Add	15.42	
For Work In Restricted Working Space, Add	92.51	
22 13 16 00-0100 EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,516.10	214.53
For Extra Heavy Fittings, Add	768.06	
For Above Ground Cast Iron Pipe Installation, Add	16.08	
For Work In Restricted Working Space, Add	96.50	
22 13 16 00-0101 EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,575.87	221.83
For Extra Heavy Fittings, Add	785.18	
For Above Ground Cast Iron Pipe Installation, Add	16.63	
For Work In Restricted Working Space, Add	99.75	
22 13 16 00-0102 EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,644.84	234.73
For Extra Heavy Fittings, Add	802.53	
For Above Ground Cast Iron Pipe Installation, Add	17.60	
For Work In Restricted Working Space, Add	105.57	
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104 EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	118.48	63.86
For Extra Heavy Fittings, Add	7.95	
For Above Ground Cast Iron Pipe Installation, Add	4.79	
For Work In Restricted Working Space, Add	28.73	
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	138.83	69.93
For Extra Heavy Fittings, Add	11.89	
For Above Ground Cast Iron Pipe Installation, Add	5.24	
For Work In Restricted Working Space, Add	31.46	
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	184.30	91.65
For Extra Heavy Fittings, Add	16.43	
For Above Ground Cast Iron Pipe Installation, Add	6.87	
For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	240.01	103.41
For Extra Heavy Fittings, Add	29.76	
For Above Ground Cast Iron Pipe Installation, Add	7.75	
For Work In Restricted Working Space, Add	46.49	
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	299.92	128.25
For Extra Heavy Fittings, Add	37.68	
For Above Ground Cast Iron Pipe Installation, Add	9.61	
For Work In Restricted Working Space, Add	57.68	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	515.72	169.18
For Extra Heavy Fittings, Add	91.74	
For Above Ground Cast Iron Pipe Installation, Add	12.68	
For Work In Restricted Working Space, Add	76.08	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	732.40	221.83
For Extra Heavy Fittings, Add	139.96	
For Above Ground Cast Iron Pipe Installation, Add	16.63	
For Work In Restricted Working Space, Add	99.75	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	975.52	285.14
For Extra Heavy Fittings, Add	191.80	
For Above Ground Cast Iron Pipe Installation, Add	21.38	
For Work In Restricted Working Space, Add	128.26	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	125.57	66.74
For Extra Heavy Fittings, Add	8.92	
For Above Ground Cast Iron Pipe Installation, Add	5.00	
For Work In Restricted Working Space, Add	30.03	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	170.51	82.48
For Extra Heavy Fittings, Add	16.38	
For Above Ground Cast Iron Pipe Installation, Add	6.19	
For Work In Restricted Working Space, Add	37.11	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	181.63	84.57
For Extra Heavy Fittings, Add	19.17	
For Above Ground Cast Iron Pipe Installation, Add	6.34	
For Work In Restricted Working Space, Add	38.06	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	254.79	104.69
For Extra Heavy Fittings, Add	34.27	
For Above Ground Cast Iron Pipe Installation, Add	7.84	
For Work In Restricted Working Space, Add	47.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA			6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	264.13	106.60
				<i>For Extra Heavy Fittings, Add</i>	36.49	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.99	
				<i>For Work In Restricted Working Space, Add</i>	47.96	
22 13 16 00-0118	EA			6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	280.36	113.72
				<i>For Extra Heavy Fittings, Add</i>	38.44	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.53	
				<i>For Work In Restricted Working Space, Add</i>	51.16	
22 13 16 00-0119	EA			8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	370.88	126.35
				<i>For Extra Heavy Fittings, Add</i>	63.52	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.47	
				<i>For Work In Restricted Working Space, Add</i>	56.82	
22 13 16 00-0120	EA			8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	383.69	134.85
				<i>For Extra Heavy Fittings, Add</i>	63.52	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.11	
				<i>For Work In Restricted Working Space, Add</i>	60.66	
22 13 16 00-0121	EA			8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	474.08	150.01
				<i>For Extra Heavy Fittings, Add</i>	87.20	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.25	
				<i>For Work In Restricted Working Space, Add</i>	67.48	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)						
22 13 16 00-0123	EA			2" Bell And Spigot Cast Iron Double Wye.....	177.29	76.40
				<i>For Extra Heavy Fittings, Add</i>	21.98	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.73	
				<i>For Work In Restricted Working Space, Add</i>	34.35	
22 13 16 00-0124	EA			3" Bell And Spigot Cast Iron Double Wye.....	249.80	96.32
				<i>For Extra Heavy Fittings, Add</i>	36.90	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.22	
				<i>For Work In Restricted Working Space, Add</i>	43.31	
22 13 16 00-0125	EA			4" Bell And Spigot Cast Iron Double Wye.....	334.07	121.83
				<i>For Extra Heavy Fittings, Add</i>	52.98	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.14	
				<i>For Work In Restricted Working Space, Add</i>	54.81	
22 13 16 00-0126	EA			6" Bell And Spigot Cast Iron Double Wye.....	604.89	179.49
				<i>For Extra Heavy Fittings, Add</i>	117.52	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.46	
				<i>For Work In Restricted Working Space, Add</i>	80.73	
22 13 16 00-0127	EA			8" Bell And Spigot Cast Iron Double Wye.....	1,135.66	212.38
				<i>For Extra Heavy Fittings, Add</i>	286.06	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.92	
				<i>For Work In Restricted Working Space, Add</i>	95.51	
22 13 16 00-0128	EA			10" Bell And Spigot Cast Iron Double Wye.....	1,482.24	237.63
				<i>For Extra Heavy Fittings, Add</i>	394.09	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.81	
				<i>For Work In Restricted Working Space, Add</i>	106.88	
22 13 16 00-0129	EA			12" Bell And Spigot Cast Iron Double Wye.....	1,090.38	285.14
				<i>For Extra Heavy Fittings, Add</i>	232.00	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.38	
				<i>For Work In Restricted Working Space, Add</i>	128.26	
22 13 16 00-0130	EA			15" Bell And Spigot Cast Iron Double Wye.....	2,812.19	299.26
				<i>For Extra Heavy Fittings, Add</i>	827.15	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.45	
				<i>For Work In Restricted Working Space, Add</i>	134.67	
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)						
22 13 16 00-0132	EA			3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	172.55	90.35
				<i>For Extra Heavy Fittings, Add</i>	12.97	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.78	
				<i>For Work In Restricted Working Space, Add</i>	40.65	
22 13 16 00-0133	EA			4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	199.83	103.80
				<i>For Extra Heavy Fittings, Add</i>	15.47	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.78	
				<i>For Work In Restricted Working Space, Add</i>	46.69	
22 13 16 00-0134	EA			4" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	214.50	108.88
				<i>For Extra Heavy Fittings, Add</i>	17.92	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.17	
				<i>For Work In Restricted Working Space, Add</i>	48.99	
22 13 16 00-0135	EA			6" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	263.05	124.50
				<i>For Extra Heavy Fittings, Add</i>	26.74	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.33	
				<i>For Work In Restricted Working Space, Add</i>	55.99	
22 13 16 00-0136	EA			6" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	277.44	129.25
				<i>For Extra Heavy Fittings, Add</i>	29.29	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.69	
				<i>For Work In Restricted Working Space, Add</i>	58.13	
22 13 16 00-0137	EA			6" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	315.22	140.95
				<i>For Extra Heavy Fittings, Add</i>	36.37	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.57	
				<i>For Work In Restricted Working Space, Add</i>	63.39	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	476.01	163.66
			<i>For Extra Heavy Fittings, Add</i>	80.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.27	
			<i>For Work In Restricted Working Space, Add</i>	73.59	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	526.53	193.68
			<i>For Extra Heavy Fittings, Add</i>	82.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.52	
			<i>For Work In Restricted Working Space, Add</i>	87.13	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	507.50	175.06
			<i>For Extra Heavy Fittings, Add</i>	85.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	78.75	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	592.30	205.65
			<i>For Extra Heavy Fittings, Add</i>	99.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.42	
			<i>For Work In Restricted Working Space, Add</i>	92.51	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	714.68	224.16
			<i>For Extra Heavy Fittings, Add</i>	132.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.81	
			<i>For Work In Restricted Working Space, Add</i>	100.83	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	730.16	229.31
			<i>For Extra Heavy Fittings, Add</i>	135.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.19	
			<i>For Work In Restricted Working Space, Add</i>	103.15	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	910.70	249.50
			<i>For Extra Heavy Fittings, Add</i>	187.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.70	
			<i>For Work In Restricted Working Space, Add</i>	112.22	
22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	154.79	76.40
			<i>For Extra Heavy Fittings, Add</i>	14.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	34.35	
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	208.11	102.20
			<i>For Extra Heavy Fittings, Add</i>	19.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.66	
			<i>For Work In Restricted Working Space, Add</i>	45.98	
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	268.77	127.80
			<i>For Extra Heavy Fittings, Add</i>	27.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.58	
			<i>For Work In Restricted Working Space, Add</i>	57.47	
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	540.11	200.60
			<i>For Extra Heavy Fittings, Add</i>	83.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.04	
			<i>For Work In Restricted Working Space, Add</i>	90.23	
22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	201.05	91.65
			<i>For Extra Heavy Fittings, Add</i>	22.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.87	
			<i>For Work In Restricted Working Space, Add</i>	41.21	
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	235.87	103.80
			<i>For Extra Heavy Fittings, Add</i>	28.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.78	
			<i>For Work In Restricted Working Space, Add</i>	46.69	
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	264.24	115.56
			<i>For Extra Heavy Fittings, Add</i>	31.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	51.95	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	479.87	149.62
			<i>For Extra Heavy Fittings, Add</i>	89.43	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.22	
			<i>For Work In Restricted Working Space, Add</i>	67.31	
22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees <small>(22 13 16 00-0030)</small>		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee	127.27	63.96
			<i>For Extra Heavy Fittings, Add</i>	10.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.79	
			<i>For Work In Restricted Working Space, Add</i>	28.76	
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee	143.20	69.93
			<i>For Extra Heavy Fittings, Add</i>	13.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.24	
			<i>For Work In Restricted Working Space, Add</i>	31.46	
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee	215.75	85.66
			<i>For Extra Heavy Fittings, Add</i>	30.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.43	
			<i>For Work In Restricted Working Space, Add</i>	38.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.07 54.37 6.84 41.02	91.16
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	350.35 65.24 8.20 49.19	109.34
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	706.02 171.77 10.76 64.57	143.56
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,039.82 272.06 13.13 78.75	175.06
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,522.60 424.98 15.42 92.51	205.65
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.24 21.05 5.00 30.03	66.74
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.25 25.22 5.86 35.16	78.19
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.19 27.65 5.86 35.16	78.19
22 13 16 00-0168 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.43 45.34 7.84 47.06	104.69
22 13 16 00-0169 EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.01 48.00 7.99 47.96	106.60
22 13 16 00-0170 EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	321.22 52.75 8.53 51.16	113.72
22 13 16 00-0171 EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	517.50 110.35 10.11 60.66	134.85
22 13 16 00-0172 EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	639.70 145.17 11.25 67.48	150.01
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174 EA 2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.12 6.42 4.79 28.73	63.86
22 13 16 00-0175 EA 3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.79 11.18 5.24 31.46	69.93
22 13 16 00-0176 EA 4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.63 15.14 6.87 41.21	91.65
22 13 16 00-0177 EA 5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.52 22.59 7.75 46.49	103.41
22 13 16 00-0178 EA 6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.40 29.10 9.61 57.68	128.25
22 13 16 00-0179 EA 8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	447.11 67.73 12.68 76.08	169.18
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0181 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee	116.27	63.86
For Extra Heavy Fittings, Add	7.17	
For Above Ground Cast Iron Pipe Installation, Add	4.79	
For Work In Restricted Working Space, Add	28.73	
22 13 16 00-0182 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee	128.03	69.93
For Extra Heavy Fittings, Add	8.11	
For Above Ground Cast Iron Pipe Installation, Add	5.24	
For Work In Restricted Working Space, Add	31.46	
22 13 16 00-0183 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee	165.92	91.65
For Extra Heavy Fittings, Add	9.99	
For Above Ground Cast Iron Pipe Installation, Add	6.87	
For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross	117.63	63.86
For Extra Heavy Fittings, Add	7.65	
For Above Ground Cast Iron Pipe Installation, Add	4.79	
For Work In Restricted Working Space, Add	28.73	
22 13 16 00-0186 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross	130.60	69.93
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	5.24	
For Work In Restricted Working Space, Add	31.46	
22 13 16 00-0187 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross	172.40	91.65
For Extra Heavy Fittings, Add	12.26	
For Above Ground Cast Iron Pipe Installation, Add	6.87	
For Work In Restricted Working Space, Add	41.21	
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189 EA 3" x 2" Bell And Spigot Cast Iron Reducer	65.44	35.97
For Extra Heavy Fittings, Add	4.06	
For Above Ground Cast Iron Pipe Installation, Add	2.69	
For Work In Restricted Working Space, Add	16.15	
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer	83.29	47.42
For Extra Heavy Fittings, Add	4.25	
For Above Ground Cast Iron Pipe Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.35	
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer	87.43	47.82
For Extra Heavy Fittings, Add	5.52	
For Above Ground Cast Iron Pipe Installation, Add	3.58	
For Work In Restricted Working Space, Add	21.50	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer	105.94	55.35
For Extra Heavy Fittings, Add	8.02	
For Above Ground Cast Iron Pipe Installation, Add	4.15	
For Work In Restricted Working Space, Add	24.91	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer	109.88	56.09
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.24	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer	113.06	57.27
For Extra Heavy Fittings, Add	9.53	
For Above Ground Cast Iron Pipe Installation, Add	4.29	
For Work In Restricted Working Space, Add	25.75	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer	138.76	59.01
For Extra Heavy Fittings, Add	17.59	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.55	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer	160.02	72.85
For Extra Heavy Fittings, Add	17.78	
For Above Ground Cast Iron Pipe Installation, Add	5.46	
For Work In Restricted Working Space, Add	32.77	
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer	164.22	74.72
For Extra Heavy Fittings, Add	18.25	
For Above Ground Cast Iron Pipe Installation, Add	5.60	
For Work In Restricted Working Space, Add	33.62	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer	170.01	77.99
For Extra Heavy Fittings, Add	18.59	
For Above Ground Cast Iron Pipe Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.07	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer	207.27	87.53
For Extra Heavy Fittings, Add	26.60	
For Above Ground Cast Iron Pipe Installation, Add	6.56	
For Work In Restricted Working Space, Add	39.38	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer	218.35	91.93
For Extra Heavy Fittings, Add	28.16	
For Above Ground Cast Iron Pipe Installation, Add	6.89	
For Work In Restricted Working Space, Add	41.36	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer	231.62	95.95
For Extra Heavy Fittings, Add	30.71	
For Above Ground Cast Iron Pipe Installation, Add	7.19	
For Work In Restricted Working Space, Add	43.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer.....	279.96	104.00
				<i>For Extra Heavy Fittings, Add</i>	43.44	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.79	
				<i>For Work In Restricted Working Space, Add</i>	46.76	
	22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer.....	315.19	121.67
				<i>For Extra Heavy Fittings, Add</i>	46.45	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.12	
				<i>For Work In Restricted Working Space, Add</i>	54.74	
	22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer.....	344.48	138.59
				<i>For Extra Heavy Fittings, Add</i>	47.83	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.39	
				<i>For Work In Restricted Working Space, Add</i>	62.35	
	22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer.....	381.37	159.64
				<i>For Extra Heavy Fittings, Add</i>	49.71	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.97	
				<i>For Work In Restricted Working Space, Add</i>	71.80	
	22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer.....	473.28	159.64
				<i>For Extra Heavy Fittings, Add</i>	81.88	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.97	
				<i>For Work In Restricted Working Space, Add</i>	71.80	
	22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer.....	504.73	172.08
				<i>For Extra Heavy Fittings, Add</i>	86.36	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.90	
				<i>For Work In Restricted Working Space, Add</i>	77.40	
	22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer.....	526.73	181.42
				<i>For Extra Heavy Fittings, Add</i>	89.13	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.60	
				<i>For Work In Restricted Working Space, Add</i>	81.62	
	22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer.....	556.31	193.68
				<i>For Extra Heavy Fittings, Add</i>	93.06	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.52	
				<i>For Work In Restricted Working Space, Add</i>	87.13	
	22 13 16 00-0210			Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
	22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	62.67	28.59
				<i>For Extra Heavy Fittings, Add</i>	6.94	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.14	
				<i>For Work In Restricted Working Space, Add</i>	12.85	
	22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	82.69	35.97
				<i>For Extra Heavy Fittings, Add</i>	10.10	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
	22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	112.09	47.82
				<i>For Extra Heavy Fittings, Add</i>	14.15	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.58	
				<i>For Work In Restricted Working Space, Add</i>	21.50	
	22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap.....	163.45	51.25
				<i>For Extra Heavy Fittings, Add</i>	30.33	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.84	
				<i>For Work In Restricted Working Space, Add</i>	23.04	
	22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap.....	215.16	60.28
				<i>For Extra Heavy Fittings, Add</i>	43.68	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.52	
				<i>For Work In Restricted Working Space, Add</i>	27.11	
	22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap.....	450.03	77.99
				<i>For Extra Heavy Fittings, Add</i>	116.60	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
				<i>For Work In Restricted Working Space, Add</i>	35.07	
	22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap.....	503.78	95.95
				<i>For Extra Heavy Fittings, Add</i>	125.97	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.19	
				<i>For Work In Restricted Working Space, Add</i>	43.16	
	22 13 16 00-0218			Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
	22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	70.20	28.59
				<i>For Extra Heavy Fittings, Add</i>	9.58	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.14	
				<i>For Work In Restricted Working Space, Add</i>	12.85	
	22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	97.50	35.97
				<i>For Extra Heavy Fittings, Add</i>	15.28	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
	22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	139.62	47.82
				<i>For Extra Heavy Fittings, Add</i>	23.78	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.58	
				<i>For Work In Restricted Working Space, Add</i>	21.50	
	22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	216.01	57.27
				<i>For Extra Heavy Fittings, Add</i>	45.56	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.29	
				<i>For Work In Restricted Working Space, Add</i>	25.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.82 47.26 4.79 28.73	63.85
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.09 5.24 31.46	69.03
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.00 6.87 41.21	90.75
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.75 7.52 45.11	99.47
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	516.08 8.53 51.16	112.72
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,574.11 10.11 60.66	133.36
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,706.38 11.25 67.48	148.79
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.57 7.22 43.31	95.33
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.51 9.14 54.81	120.33
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	582.39 10.57 63.39	139.31
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	678.99 12.78 76.66	168.62
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,704.67 12.27 73.59	161.69
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,877.73 14.52 87.13	191.99
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,480.59 16.81 100.83	221.55
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,407.42 19.40 116.42	256.15
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,530.17 22.45 134.72	296.27
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.52 2.14 12.82	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.73 2.40 14.40	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.49 3.22 19.30	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.00 3.74 22.42	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.00 4.51 27.08	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	485.76 5.70 34.22	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.90 0.60 3.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.99 0.65 3.90	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.23 0.81 4.87	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.48 0.97 5.84	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.97 1.30 7.79	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.30 1.52 9.09	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.71 1.79 10.71	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.13 2.06 12.34	
22 13 16 00-0257			Joint Material <small>(22 13 16 00-0019)</small> Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material	1.55	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material	6.87	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket	10.43	
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe <small>(22 13 16 00-0268)</small> Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe	12.25	5.97
			<i>For Below Ground Installation, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	13.06	6.37
			<i>For Below Ground Installation, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	2.89	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	18.70	9.26
			<i>For Below Ground Installation, Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	24.27	12.06
			<i>For Below Ground Installation, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.43	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	29.54	13.98
			<i>For Below Ground Installation, Add</i>	1.05	
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	33.46	15.26
			<i>For Below Ground Installation, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	49.89	21.98
			<i>For Below Ground Installation, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	9.87	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	65.60	24.97
			<i>For Below Ground Installation, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	11.22	
22 13 16 00-0278			No Hub Cast Iron Fittings <small>(22 13 16 00-0268)</small>		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	50.57	28.29
			<i>For Below Ground Installation, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep.....	50.78	28.29
			<i>For Below Ground Installation, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep.....	59.10	32.38
			<i>For Below Ground Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep.....	79.93	42.83
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.28	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep	97.97	46.13
			<i>For Below Ground Installation, Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	20.74	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep	116.51	54.99
			<i>For Below Ground Installation, Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	24.75	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep	199.82	71.26
			<i>For Below Ground Installation, Add</i>	5.34	
			<i>For Work In Restricted Working Space, Add</i>	32.06	
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep	67.76	32.38
			<i>For Below Ground Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep	96.44	42.83
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
22 13 16 00-0290			No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep	49.04	28.29
			<i>For Below Ground Installation, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep	57.72	32.38
			<i>For Below Ground Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep	79.21	42.83
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep	98.24	46.13
			<i>For Below Ground Installation, Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	20.74	
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep	112.28	54.99
			<i>For Below Ground Installation, Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	24.75	
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep	187.05	71.26
			<i>For Below Ground Installation, Add</i>	5.34	
			<i>For Work In Restricted Working Space, Add</i>	32.06	
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep	290.66	99.79
			<i>For Below Ground Installation, Add</i>	7.48	
			<i>For Work In Restricted Working Space, Add</i>	44.89	
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend	45.81	27.10
			<i>For Below Ground Installation, Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	12.20	
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend	47.84	28.29
			<i>For Below Ground Installation, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend	55.78	32.38
			<i>For Below Ground Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend	74.92	42.83
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend	92.91	46.13
			<i>For Below Ground Installation, Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	20.74	
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend	108.87	54.99
			<i>For Below Ground Installation, Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	24.75	
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend	177.10	71.26
			<i>For Below Ground Installation, Add</i>	5.34	
			<i>For Work In Restricted Working Space, Add</i>	32.06	
22 13 16 00-0306			No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend	44.71	27.10
			<i>For Below Ground Installation, Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	12.20	
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend	46.53	28.29
			<i>For Below Ground Installation, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend	54.49	32.38
			<i>For Below Ground Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend	72.02	42.83
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend	112.57	63.25
			<i>For Below Ground Installation, Add</i>	4.74	
			<i>For Work In Restricted Working Space, Add</i>	28.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.63 6.23 37.36	83.08
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.11 7.66 45.98	102.20
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.05 3.19 19.16	42.63
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.90 4.33 25.99	57.77
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.82 4.74 28.46	63.25
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.66 6.23 37.36	83.08
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.54 6.73 40.39	89.79
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.25 7.99 47.96	106.60
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.00 10.69 64.13	142.62
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.07 11.88 71.25	158.42
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.51 4.13 24.80	55.19
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.71 4.74 28.46	63.25
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.90 5.24 31.46	69.93
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.96 5.83 34.95	77.70
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.36 6.80 40.82	90.71
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.26 7.11 42.63	94.81
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.64 8.30 49.83	110.81
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.79 8.41 50.44	112.13
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.48 9.24 55.42	123.26
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.50 9.84 59.06	131.30
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	363.10 10.54 63.23	140.56
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	407.97 11.25 67.50	150.10
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.62 3.72 22.30	49.61
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.19 4.33 25.99	57.77
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.03 4.74 28.46	63.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.92 6.23 37.36	83.08
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.97 9.58 57.47	127.80
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.34 12.29 73.75	163.97
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	459.66 14.86 89.15	198.24
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.55 4.33 25.99	57.77
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.82 4.74 28.46	63.25
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.11 5.24 31.46	69.93
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.11 5.83 34.95	77.70
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.80 6.80 40.82	90.71
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.52 7.11 42.63	94.81
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.50 8.30 49.83	110.81
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.22 8.41 50.44	112.13
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.59 9.24 55.42	123.26
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.84 5.38 32.31	71.82
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.79 6.55 39.32	87.46
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.85 7.17 43.00	95.63
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.76 10.07 60.42	134.37
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	451.79 13.60 81.62	181.42
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.35 5.97 35.79	79.59
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.96 6.87 41.22	91.65
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.11 7.49 44.94	99.91
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.44 8.88 53.29	118.47
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.16 6.47 38.81	86.27
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.88 7.17 43.00	95.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.36 9.49 56.92	126.61
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	354.42 14.65 87.89	195.44
22 13 16 00-0370			No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.94 5.57 33.39	74.21
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.15 6.47 38.81	86.27
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.86 7.07 42.39	94.23
22 13 16 00-0374			No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.48 3.13 18.80	41.74
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.26 4.33 25.99	57.77
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.00 4.74 28.46	63.25
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.81 6.23 37.36	83.08
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.93 6.73 40.39	89.79
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.98 7.99 47.96	106.60
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.86 10.69 64.13	142.62
22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.29 3.53 21.20	47.12
22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.15 4.13 24.80	55.19
22 13 16 00-0384			No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.10 4.33 25.99	57.77
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.84 4.33 25.99	57.77
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.07 5.86 35.16	78.19
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.20 5.86 35.16	78.19
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.13 6.39 38.36	85.31
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.09 6.39 38.36	85.31
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.45 6.39 38.36	85.31
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.62 6.66 39.96	88.88
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.77 9.01 54.08	120.27
22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.05 2.12 12.72	28.29

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.79 2.43 14.58	32.38
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.67 3.21 19.28	42.83
22 13 16 00-0398			No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.72 2.12 12.72	28.29
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.76 2.43 14.58	32.38
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.15 3.21 19.28	42.83
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.75 4.74 28.46	63.25
22 13 16 00-0403			No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.58 6.23 37.36	83.08
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.68 9.46 56.78	126.21
22 13 16 00-0406			No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.08 2.12 12.72	28.29
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.82 2.43 14.58	32.38
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.29 3.21 19.28	42.83
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.86 4.74 28.46	63.25
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.11 6.23 37.36	83.08
22 13 16 00-0412			No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.93 4.19 25.11	55.78
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.15 4.33 25.99	57.77
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.02 4.74 28.46	63.25
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.63 6.23 37.36	83.08
22 13 16 00-0417			No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.59 5.56 33.38	74.21
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.61 5.73 34.37	76.40
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.39 5.98 35.87	79.79
22 13 16 00-0421			No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.49 4.33 25.99	57.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.10 5.86 35.16	78.19
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.28 5.86 35.16	78.19
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.54 6.39 38.36	85.31
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.74 6.39 38.36	85.31
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.21 6.39 38.36	85.31
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.04 7.11 42.63	94.81
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.22 7.11 42.63	94.81
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.76 7.11 42.63	94.81
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.42 9.98 59.85	133.08
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.80 9.98 59.85	133.08
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.02 9.98 59.85	133.08
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.32 9.98 59.85	133.08
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.60 9.98 59.85	133.08
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.19 10.52 63.13	140.38
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.70 10.99 65.93	146.54
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.89 11.92 71.54	159.07
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.88 2.03 12.20	27.10
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.51 2.12 12.72	28.29
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.37 2.43 14.58	32.38
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.33 3.21 19.28	42.83
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.74 3.52 21.10	47.50
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.00 4.13 24.75	54.99
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.82 5.34 32.06	71.26
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.16 5.76 34.53	76.77
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.23 2.12 12.72	28.29
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.47 2.43 14.58	32.38

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.33 3.21 19.28	42.83
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.74 3.48 20.90	46.50
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.27 4.16 24.94	55.44
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.56 2.69 16.15	35.97
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.53 3.58 21.50	47.82
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.55 4.73 28.39	63.15
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.70 3.21 19.28	42.83
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.28 3.21 19.28	42.83
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.94 3.21 19.28	42.83
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.58 2.69 16.15	35.97
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.66 2.69 16.15	35.97
22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.07 0.66 1.37	
22 13 16 00-0468 EA 2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.07 0.66 1.37	
22 13 16 00-0469 EA 3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	6.02 0.78 1.63	
22 13 16 00-0470 EA 4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.15 0.93 1.93	
22 13 16 00-0471 EA 5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	16.53 2.15 4.46	
22 13 16 00-0472 EA 6" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.16 2.36 4.90	
22 13 16 00-0473 EA 8" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	34.21 4.45 9.24	
22 13 16 00-0474 EA 10" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	47.13 6.13 12.73	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling.....	6.02	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling.....	9.34	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling.....	13.02	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling.....	11.10	
22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	14.89	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	15.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	16.14	
				22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	18.83	
				22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.55	
				22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.80	
				22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	85.50	
				22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	130.65	
				22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0266)</small>		
				Note: For use when connecting pipe to an existing in-place system.		
				22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	9.74	
				<i>For Work In Restricted Working Space, Add</i>	2.92	
				22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	11.90	
				<i>For Work In Restricted Working Space, Add</i>	3.57	
				22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	12.99	
				<i>For Work In Restricted Working Space, Add</i>	3.90	
				22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	16.23	
				<i>For Work In Restricted Working Space, Add</i>	4.87	
				22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	19.48	
				<i>For Work In Restricted Working Space, Add</i>	5.84	
				22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	25.97	
				<i>For Work In Restricted Working Space, Add</i>	7.79	
				22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	30.30	
				<i>For Work In Restricted Working Space, Add</i>	9.09	
				22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
				See CSI section 22 11 16 00-0354 for copper and brass fittings.		
				22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	11.12	4.68
				22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	13.45	5.23
				22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe.....	19.84	6.45
				22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe.....	41.81	8.94
				22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe.....	53.72	10.08
				22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe.....	128.15	11.57
				22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe.....	164.02	17.94
				22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
				Note: Aboveground installation. See CSI section 33 31 00 00-0002 for underground installation.		
				22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0504)</small>		
				Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
				22 13 16 00-0506 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	20.35	4.18
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	5.73	
				22 13 16 00-0507 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	22.55	4.98
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	6.35	
				22 13 16 00-0508 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	28.81	7.17
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	7.88	
				22 13 16 00-0509 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	32.38	7.77
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	8.76	
				22 13 16 00-0510 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	46.51	9.96
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	11.65	
				22 13 16 00-0511 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	61.77	13.25
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	14.77	
				22 13 16 00-0512 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	83.73	17.74
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	19.24	
				22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small>		
				Note: Excludes fittings or hangers.		
				22 13 16 00-0514 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0513)</small>		
				Note: Excludes fittings or hangers.		
				22 13 16 00-0515 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	6.74	4.18
				<i>For Work In Restricted Working Space, Add</i>	1.87	
				22 13 16 00-0516 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	8.15	4.98
				<i>For Work In Restricted Working Space, Add</i>	2.24	
				22 13 16 00-0517 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	12.09	7.17
				<i>For Work In Restricted Working Space, Add</i>	3.21	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0518 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	13.57 3.49	7.77
22 13 16 00-0519 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	17.13 4.10	9.14
22 13 16 00-0520 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	24.17 5.48	12.15
22 13 16 00-0521 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	33.40 7.31	16.26
22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.63 1.87	4.18
22 13 16 00-0524 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	8.02 2.24	4.98
22 13 16 00-0525 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.86 3.21	7.17
22 13 16 00-0526 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.28 3.49	7.77
22 13 16 00-0527 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	16.58 4.10	9.14
22 13 16 00-0528 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	22.79 5.48	12.15
22 13 16 00-0529 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	31.90 7.31	16.26
22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0504)</small>		
22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0532 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	25.40 7.47	16.64
22 13 16 00-0533 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	32.49 9.56	21.22
22 13 16 00-0534 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	44.76 12.85	28.49
22 13 16 00-0535 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	53.91 14.94	33.17
22 13 16 00-0536 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	89.73 19.43	43.13
22 13 16 00-0537 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	129.94 26.15	58.08
22 13 16 00-0538 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	172.62 34.86	77.40
22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0540 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.78 7.47	16.64
22 13 16 00-0541 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	33.29 9.56	21.22
22 13 16 00-0542 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	46.80 12.85	28.49
22 13 16 00-0543 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	57.65 14.94	33.17
22 13 16 00-0544 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	82.51 19.43	43.13
22 13 16 00-0545 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	120.46 26.15	58.08
22 13 16 00-0546 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	172.45 34.86	77.40
22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	25.51 7.47	16.64
22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	32.48 9.56	21.22
22 13 16 00-0550 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	44.59 12.85	28.49
22 13 16 00-0551 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	53.08 14.94	33.17
22 13 16 00-0552 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	87.61 19.43	43.13
22 13 16 00-0553 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	125.03 26.15	58.08
22 13 16 00-0554 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	158.17 34.86	77.40
22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees <small>(22 13 16 00-0530)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	38.23 11.21	24.91
	22 13 16 00-0557	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	49.08 14.35	31.87
	22 13 16 00-0558	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	67.59 19.28	42.83
	22 13 16 00-0559	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.09 22.42	49.81
	22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	134.18 29.14	64.65
	22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	178.64 39.23	87.06
22 13 16 00-0562	Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <small>(22 13 16 00-0530)</small>					
	22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	42.43 12.25	27.20
	22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.52 13.30	29.49
	22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	45.59 13.30	29.49
	22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.85 16.59	36.86
	22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	61.20 17.63	39.15
	22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	65.69 18.68	41.43
	22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	74.38 19.73	43.83
	22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	82.97 21.37	47.42
	22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	125.49 26.90	59.67
	22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	236.78 33.62	74.61
	22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	248.28 35.86	79.59
22 13 16 00-0574	Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-0530)</small>					
	22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	52.45 14.94	33.17
	22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	67.63 19.13	42.44
	22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	96.51 25.70	57.08
	22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	117.06 29.88	66.34
22 13 16 00-0579	Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0530)</small>					
	22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	60.28 17.03	37.86
	22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	75.95 20.32	45.12
	22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	84.45 22.42	49.81
	22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	103.11 24.50	54.39
	22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	114.66 27.79	61.66
22 13 16 00-0585	Polyvinyl Chloride (PVC) DWV Reducers <small>(22 13 16 00-0530)</small>					
	22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	29.37 8.52	18.92
	22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.00 10.16	22.51
	22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	39.97 11.21	24.91
	22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	46.03 12.25	27.20
	22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	51.75 13.90	30.88
	22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	81.20 16.14	35.86
	22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	79.29 17.18	38.16
	22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	128.89 20.54	45.63
	22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	125.65 22.79	50.60

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0595	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	158.13 27.14	60.27
22 13 16 00-0596	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	152.44 30.51	67.74
22 13 16 00-0597			Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	39.07 11.21	24.91
22 13 16 00-0599	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	50.16 14.35	31.87
22 13 16 00-0600	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	75.90 19.28	42.83
22 13 16 00-0601	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	102.47 22.42	49.81
22 13 16 00-0602	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	146.20 29.14	64.65
22 13 16 00-0603			Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	53.10 14.94	33.17
22 13 16 00-0605	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	48.62 13.90	30.88
22 13 16 00-0606			Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	39.11 11.21	24.91
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	49.58 14.35	31.87
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	68.24 19.28	42.83
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	82.16 22.42	49.81
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	130.18 29.14	64.65
22 13 16 00-0612	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	171.04 39.23	87.06
22 13 16 00-0613	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	227.19 52.30	116.05
22 13 16 00-0614			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	43.97 12.25	27.20
22 13 16 00-0616	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	47.43 13.30	29.49
22 13 16 00-0617	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	60.17 16.59	36.86
22 13 16 00-0618	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	61.86 17.63	39.15
22 13 16 00-0619	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	70.00 18.68	41.43
22 13 16 00-0620	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	71.72 19.73	43.83
22 13 16 00-0621	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	78.20 21.37	47.42
22 13 16 00-0622	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	116.15 25.85	57.38
22 13 16 00-0623	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	128.00 26.90	59.67
22 13 16 00-0624	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	146.60 33.62	74.61
22 13 16 00-0625	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	164.73 35.86	79.59
22 13 16 00-0626	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	180.03 42.34	93.94
22 13 16 00-0627	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	199.07 44.58	98.92
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	219.52 47.94	106.39
22 13 16 00-0629			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	53.55 14.94	33.17
22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	68.56 19.13	42.44
22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	98.07 25.70	57.08
22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	124.77 29.88	66.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	186.47 38.85	86.27
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	238.63 52.30	116.15
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	334.88 69.73	154.80
22 13 16 00-0637			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0530)</small>		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	61.17 17.03	37.86
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	78.63 20.32	45.12
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	83.96 22.42	49.81
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	96.76 24.50	54.39
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	112.56 27.79	61.66
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	147.28 34.37	76.30
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	175.07 41.09	91.25
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	201.99 45.57	101.21
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	218.54 49.81	110.57
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	251.62 54.29	120.53
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	289.92 61.01	135.47
22 13 16 00-0649			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.20 11.21	24.91
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.29 14.35	31.87
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	73.37 19.28	42.83
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	93.67 22.42	49.81
22 13 16 00-0654			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.52 13.30	29.49
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	67.78 16.59	36.86
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	66.58 17.63	39.15
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	83.12 19.73	43.83
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	90.04 21.37	47.42
22 13 16 00-0660			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	54.40 14.94	33.17
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	68.66 19.13	42.44
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	94.17 25.70	57.08
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	144.45 29.88	66.34
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	292.29 38.85	86.27
22 13 16 00-0666			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	71.79 17.03	37.86
22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	100.14 22.42	49.81
22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	129.06 24.50	54.39
22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	134.10 27.79	61.66

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0671 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	220.91 34.37	76.30
22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	56.17 14.35	31.87
22 13 16 00-0674 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	80.21 19.28	42.83
22 13 16 00-0675 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	102.48 22.42	49.81
22 13 16 00-0676 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	177.78 29.14	64.65
22 13 16 00-0677 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	231.17 39.23	87.06
22 13 16 00-0678 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	307.51 52.30	116.05
22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	26.35 7.47	16.64
22 13 16 00-0681 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	34.20 9.56	21.22
22 13 16 00-0682 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	46.42 12.85	28.49
22 13 16 00-0683 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	58.24 14.94	33.17
22 13 16 00-0684 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	87.88 19.43	43.13
22 13 16 00-0685 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	143.55 26.15	58.08
22 13 16 00-0686 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	223.43 34.85	77.40
22 13 16 00-0687 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	25.34 7.47	16.64
22 13 16 00-0689 EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	32.35 9.56	21.22
22 13 16 00-0690 EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.06 12.85	28.49
22 13 16 00-0691 EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	51.83 14.94	33.17
22 13 16 00-0692 EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	75.90 19.43	43.13
22 13 16 00-0693 EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	119.38 26.15	58.08
22 13 16 00-0694 EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	166.16 34.87	77.40
22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	12.88 3.74	8.26
22 13 16 00-0697 EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.01 4.78	10.66
22 13 16 00-0698 EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.37 6.43	14.25
22 13 16 00-0699 EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	31.68 7.47	16.64
22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: In place piping.		
22 13 16 00-0701 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.31	
22 13 16 00-0702 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.04	
22 13 16 00-0703 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.23	
22 13 16 00-0704 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.80	
22 13 16 00-0705 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.72	
22 13 16 00-0706 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	26.30	
22 13 16 00-0707 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.15	
22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation.		
22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0710	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	20.35 5.73	4.18
	22 13 16 00-0711	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	22.55 6.35	4.98
	22 13 16 00-0712	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	28.81 7.88	7.17
	22 13 16 00-0713	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	32.38 8.76	7.77
	22 13 16 00-0714	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	46.51 11.65	9.96
22 13 16 00-0715				Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0716	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.67 1.87	4.18
	22 13 16 00-0717	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	8.07 2.24	4.98
	22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.97 3.21	7.17
	22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.42 3.49	7.77
	22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	17.34 4.10	9.14
22 13 16 00-0721				Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0709)</small>		
22 13 16 00-0722				Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.83 7.47	16.64
	22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	34.61 9.56	21.22
	22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	51.30 12.85	28.49
	22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.40 14.94	33.17
	22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	126.66 19.43	43.13
22 13 16 00-0728				Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	29.49 7.47	16.64
	22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	37.21 9.56	21.22
	22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	57.75 12.85	28.49
	22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	79.24 14.94	33.17
22 13 16 00-0733				Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	27.19 7.47	16.64
	22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	34.36 9.56	21.22
	22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.97 12.85	28.49
	22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	63.95 14.94	33.17
	22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	129.23 19.43	43.13
22 13 16 00-0739				Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.63 11.21	24.91
	22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	52.74 14.35	31.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	76.79 19.28	42.83
22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	98.82 22.42	49.81
22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	227.77 29.14	64.65
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	46.06 12.25	27.20
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.66 13.30	29.49
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	49.05 13.30	29.49
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	64.87 16.59	36.86
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	68.44 17.63	39.15
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	97.00 18.68	41.43
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	98.18 19.73	43.83
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	109.25 21.37	47.42
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	235.72 26.90	59.67
22 13 16 00-0755			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	59.76 14.94	33.17
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	78.28 19.13	42.44
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	126.44 25.70	57.08
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	164.96 29.88	66.34
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	68.06 17.03	37.86
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	88.52 20.32	45.12
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	99.31 22.42	49.81
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	129.07 22.47	49.88
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.60 25.49	56.54
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	43.94 11.21	24.91
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	54.59 14.35	31.87
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	79.23 19.28	42.83
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	102.64 22.42	49.81
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	199.56 29.14	64.65
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	52.60 12.25	27.20
22 13 16 00-0774	EA		2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	55.97 13.30	29.49
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	70.41 17.63	39.15
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	88.18 19.73	43.83
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	97.43 21.37	47.42
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	174.29 26.90	59.67



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0779				Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0771)</small>		
			EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	63.83	33.17
				<i>For Work In Restricted Working Space, Add</i>	<i>14.94</i>	
			EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	81.80	42.44
				<i>For Work In Restricted Working Space, Add</i>	<i>19.13</i>	
			EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	132.29	57.08
				<i>For Work In Restricted Working Space, Add</i>	<i>25.70</i>	
			EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	194.08	66.34
				<i>For Work In Restricted Working Space, Add</i>	<i>29.88</i>	
22 13 16 00-0784				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
			EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	73.26	37.86
				<i>For Work In Restricted Working Space, Add</i>	<i>17.03</i>	
			EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	100.63	45.12
				<i>For Work In Restricted Working Space, Add</i>	<i>20.32</i>	
			EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	109.34	49.81
				<i>For Work In Restricted Working Space, Add</i>	<i>22.42</i>	
			EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	138.32	54.39
				<i>For Work In Restricted Working Space, Add</i>	<i>24.50</i>	
			EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	167.45	61.66
				<i>For Work In Restricted Working Space, Add</i>	<i>27.79</i>	
22 13 16 00-0790				Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
			EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	47.88	24.91
				<i>For Work In Restricted Working Space, Add</i>	<i>11.21</i>	
			EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	61.51	31.87
				<i>For Work In Restricted Working Space, Add</i>	<i>14.35</i>	
			EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	86.80	42.83
				<i>For Work In Restricted Working Space, Add</i>	<i>19.28</i>	
			EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	112.78	45.67
				<i>For Work In Restricted Working Space, Add</i>	<i>20.55</i>	
22 13 16 00-0795				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
			EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	55.41	29.49
				<i>For Work In Restricted Working Space, Add</i>	<i>13.30</i>	
			EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	81.54	36.86
				<i>For Work In Restricted Working Space, Add</i>	<i>16.59</i>	
			EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	75.17	39.15
				<i>For Work In Restricted Working Space, Add</i>	<i>17.63</i>	
			EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	102.29	43.83
				<i>For Work In Restricted Working Space, Add</i>	<i>19.73</i>	
			EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	110.79	47.42
				<i>For Work In Restricted Working Space, Add</i>	<i>21.37</i>	
22 13 16 00-0801				Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
			EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	88.54	42.44
				<i>For Work In Restricted Working Space, Add</i>	<i>19.13</i>	
			EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	142.81	57.08
				<i>For Work In Restricted Working Space, Add</i>	<i>25.70</i>	
22 13 16 00-0804				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
			EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	76.72	37.86
				<i>For Work In Restricted Working Space, Add</i>	<i>17.03</i>	
			EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	130.90	49.81
				<i>For Work In Restricted Working Space, Add</i>	<i>22.42</i>	
22 13 16 00-0807				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
			EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	49.74	24.91
				<i>For Work In Restricted Working Space, Add</i>	<i>11.21</i>	
			EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	63.36	31.87
				<i>For Work In Restricted Working Space, Add</i>	<i>14.35</i>	
			EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	90.95	42.83
				<i>For Work In Restricted Working Space, Add</i>	<i>19.28</i>	
			EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	124.63	49.81
				<i>For Work In Restricted Working Space, Add</i>	<i>22.42</i>	
22 13 16 00-0812				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0813 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	29.16 7.47	16.64
22 13 16 00-0814 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	38.72 9.56	21.22
22 13 16 00-0815 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	53.36 12.85	28.49
22 13 16 00-0816 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	74.61 14.94	33.17
22 13 16 00-0817 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	132.83 19.43	43.13
22 13 16 00-0818 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0721)		
22 13 16 00-0819 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	26.37 7.47	16.64
22 13 16 00-0820 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	33.41 9.56	21.22
22 13 16 00-0821 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	47.03 12.85	28.49
22 13 16 00-0822 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	56.73 14.94	33.17
22 13 16 00-0823 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	98.96 19.43	43.13
22 13 16 00-0824 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	32.10 8.52	18.92
22 13 16 00-0826 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	45.63 10.16	22.51
22 13 16 00-0827 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	47.21 11.21	24.91
22 13 16 00-0828 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	60.30 12.25	27.20
22 13 16 00-0829 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	66.68 13.90	30.88
22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	44.54 11.21	24.91
22 13 16 00-0832 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	59.46 14.35	31.87
22 13 16 00-0833 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	117.59 19.28	42.83
22 13 16 00-0834 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	183.99 22.42	49.81
22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	59.85 14.94	33.17
22 13 16 00-0837 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	55.74 13.90	30.88
22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	14.32 3.74	8.26
22 13 16 00-0840 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.25 4.78	10.66
22 13 16 00-0841 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.07 6.43	14.25
22 13 16 00-0842 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.25 7.47	16.64
22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	29.93 8.52	18.92
22 13 16 00-0845 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.20 10.16	22.51
22 13 16 00-0846 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.64 11.21	24.91
22 13 16 00-0847 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.03 12.25	27.20
22 13 16 00-0848 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.44 13.90	30.88
22 13 16 00-0849 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	96.13 15.76	34.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0721)</small>		
22 13 16 00-0851 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	31.99 7.47	16.64
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	39.42 9.56	21.22
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	50.85 12.85	28.49
22 13 16 00-0854 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	58.30 14.94	33.17
22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0708)</small> Note: In place piping.		
22 13 16 00-0856 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.31	
22 13 16 00-0857 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.04	
22 13 16 00-0858 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.23	
22 13 16 00-0859 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	13.80	
22 13 16 00-0860 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	19.72	
22 13 16 00-0861 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0863 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	11.98 2.60	4.33
22 13 16 00-0864 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	12.24 2.76	4.60
22 13 16 00-0865 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	12.90 2.92	4.87
22 13 16 00-0866 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	14.55 3.08	5.14
22 13 16 00-0867 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	16.16 3.25	5.41
22 13 16 00-0868 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	19.74 3.41	5.68
22 13 16 00-0869 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	23.32 3.57	5.95
22 13 16 00-0870 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	30.56 3.90	6.49
22 13 16 00-0871 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	39.59 4.55	7.58
22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	12.76 2.76	4.60
22 13 16 00-0874 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	13.08 2.92	4.87
22 13 16 00-0875 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	16.52 3.08	5.14
22 13 16 00-0876 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	15.06 3.08	5.14
22 13 16 00-0877 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	19.92 3.25	5.41
22 13 16 00-0878 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	19.17 3.25	5.41
22 13 16 00-0879 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	17.79 3.25	5.41
22 13 16 00-0880 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	24.76 3.41	5.68
22 13 16 00-0881 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	22.64 3.41	5.68
22 13 16 00-0882 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling..... <i>For Work In Restricted Working Space, Add</i>	30.11 3.57	5.95



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22 13 16 00-0883 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	26.95	5.95
<i>For Work In Restricted Working Space, Add</i>	3.57	
22 13 16 00-0884 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	27.83	5.95
<i>For Work In Restricted Working Space, Add</i>	3.57	
22 13 16 00-0885 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	54.23	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
22 13 16 00-0886 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	45.45	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
22 13 16 00-0887 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	56.76	12.17
<i>For Work In Restricted Working Space, Add</i>	7.31	
22 13 16 00-0888 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps (22 13 16)		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889 EA 1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	47.05	29.22
22 13 16 00-0890 EA 2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	50.40	31.06
22 13 16 00-0891 EA 3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	58.28	35.61
22 13 16 00-0892 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	76.94	47.08
22 13 16 00-0893 EA 5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	92.17	56.28
22 13 16 00-0894 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	106.47	64.94
22 13 16 00-0895 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	141.72	82.26
22 13 16 00-0896 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16)		
Note: Josam 26450 Series.		
22 13 16 00-0897 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	65.14	22.41
22 13 16 00-0898 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	70.13	24.91
22 13 16 00-0899 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	99.59	32.38
22 13 16 00-0900 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	116.09	37.35
22 13 16 00-0901 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	134.02	42.34
22 13 16 00-0902 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	199.14	47.32
22 13 16 00-0903 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16)		
Note: Josam 26440 Series		
22 13 16 00-0904 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	107.96	22.41
22 13 16 00-0905 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	112.95	24.91
22 13 16 00-0906 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	137.33	32.38
22 13 16 00-0907 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	168.34	37.35
22 13 16 00-0908 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	220.39	42.34
22 13 16 00-0909 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	230.35	47.32
22 13 16 00-0910 Cast Iron Vandal Proof Hooded Vent Cap (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	184.16	22.41
22 13 16 00-0912 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	189.15	24.91
22 13 16 00-0913 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	221.51	32.38
22 13 16 00-0914 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	250.34	37.35
22 13 16 00-0915 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	290.79	42.34
22 13 16 00-0916 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	318.89	47.32
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	322.63	107.08
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0003 EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	358.23	120.03
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004 EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	374.14	132.79
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005 EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	401.48	146.53
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
<i>For Vandal Proof Screws, Add</i>	11.00	



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0006 EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	343.53	120.03
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	369.14	132.79
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	396.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	446.53	120.03
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	472.14	132.79
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	499.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	431.53	120.03
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	457.00	132.79
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	484.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3" (76 mm), Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0015	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	455.42	119.94
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0016	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	481.00	132.79
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0017	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	508.48	146.53
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0018	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	609.42	119.94
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0019	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	635.00	132.79
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0020	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	662.48	146.53
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0021	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	588.92	119.94
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	614.50	132.79
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0023	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	641.98	146.53
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)					
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	371.92	119.94
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	397.78	132.89
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	424.98	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	386.92	119.94
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	412.78	132.89
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	439.98	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	452.92	119.94
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	478.78	132.89
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	505.98	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	360.92	119.94
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	386.78	132.89
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	413.98	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	379.92	119.94
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	405.78	132.89
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	432.98	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	433.42	119.94
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	459.28	132.89
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	486.48	146.53
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0043 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	845.28	132.89
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0044 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	872.48	146.53
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0045 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	1,008.28	132.89
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0046 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	1,035.48	146.53
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0047 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	988.78	132.89
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0048 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	1,015.98	146.53
For Chained Grate, Add	48.50	
For No-Hub Side Outlet, Add	76.00	
For Galvanized Cast Iron Parts, Add	212.00	
22 13 19 13-0049 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	456.92	119.94
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0050 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	482.78	132.89
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0051 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	509.98	146.53
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0052 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	534.42	119.94
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0053 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	560.28	132.89
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0054 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	587.48	146.53
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0055 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	552.42	119.94
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0056 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	578.28	132.89
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0057 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	605.48	146.53
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0058 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	691.92	119.94
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0059 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	717.78	132.89
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0060 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	744.98	146.53
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061	EA			5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	440.92	119.94
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0062	EA			5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	466.78	132.89
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0063	EA			5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	493.98	146.53
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0064	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	506.92	119.94
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0065	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	532.78	132.89
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0066	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	559.98	146.53
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0067	EA			5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	524.92	119.94
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0068	EA			5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	550.78	132.89
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0069	EA			5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	577.98	146.53
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0070	EA			5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	638.42	119.94
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0071	EA			5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	664.28	132.89
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0072	EA			5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	691.48	146.53
				<i>For Sediment Bucket, Add</i>	22.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
				<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19 13-0073				Funnel Type Floor Drains <small>(22 13 19 13)</small>		
22 13 19 13-0074	EA			7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	421.72	107.08
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0075	EA			7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	447.42	119.94
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0076	EA			7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	473.00	132.79
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0077	EA			7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	500.48	146.53
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0078	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	559.92	119.94
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0079	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	585.50	132.79
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0080	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	612.98	146.53
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0081	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	540.42	119.94
				<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
				<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
				<i>For Vandal Proof Screws, Add</i>	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	566.00	132.79
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	593.48	146.53
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet ^(22 13 19 13)		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	707.63	107.08
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	733.42	119.94
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	759.00	132.79
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	786.48	146.53
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	814.83	160.68
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	771.42	119.94
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	797.28	132.89
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	824.48	146.53
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	852.83	160.68
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	545.92	119.94
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	571.78	132.89
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	598.98	146.53
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	627.33	160.68
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	732.42	119.94
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0099	EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	758.28	132.89
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	31.00	
				<i>For Aluminum Bucket, Add</i>	77.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0100	EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	785.48	146.53
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	31.00	
				<i>For Aluminum Bucket, Add</i>	77.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0101	EA			12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	813.83	160.68
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	31.00	
				<i>For Aluminum Bucket, Add</i>	77.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0102 Other Drains <small>(22 13 19 13)</small>						
22 13 19 13-0103 Shower Drains <small>(22 13 19 13-0102)</small>						
22 13 19 13-0104	EA			4-1/4" Stainless Steel Shower Drain Strainer	33.18	10.82
				Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA			4-1/4" Brass Shower Drain Strainer	36.15	10.82
				Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA			4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	78.94	21.65
				Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA			4" Chrome Finish, Threaded Brass Shower Drain And Gasket	95.98	21.65
				Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108 Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>						
22 13 19 13-0109	EA			9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	423.63	107.08
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110	EA			9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	449.42	119.94
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111	EA			9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	475.00	132.79
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Primer Tap, Add</i>	33.50	
				<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112 Rotary And Lever Drains <small>(22 13 19 13-0102)</small>						
22 13 19 13-0113	EA			Lever Drain, 1-1/2" Drain, 3" Sink Opening	197.38	72.22
22 13 19 13-0114	EA			Lever Drain, 2" Drain, 3" Sink Opening	212.32	79.69
22 13 19 13-0115	EA			Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	197.38	72.22
22 13 19 13-0116	EA			Lever Drain, 2" Drain, 3-1/2" Sink Opening	212.32	79.69
22 13 19 13-0117	EA			Twist Drain, 1-1/2" Drain, 3" Sink Opening	197.38	72.22
22 13 19 13-0118	EA			Twist Drain, 2" Drain, 3" Sink Opening	212.32	79.69
22 13 19 13-0119	EA			Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	197.38	72.22
22 13 19 13-0120	EA			Twist Drain, 2" Drain, 3-1/2" Sink Opening	212.32	79.69
22 13 19 13-0121	EA			Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100)	253.17	79.69
22 13 19 13-0122 Floor Receptor <small>(22 13 19 13)</small>						
22 13 19 13-0123 9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>						
				Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA			9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	502.08	120.03
				<i>For Flange With Seepage Holes, Add</i>	58.50	
				<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
				<i>For Trap Primer Connection, Add</i>	38.00	
				<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
				<i>For Vandal Proof Secured Grate, Add</i>	33.50	
				<i>For White Acid Resistant Bucket, Add</i>	47.00	
				<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125	EA			9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	528.06	132.98
				<i>For Flange With Seepage Holes, Add</i>	58.50	
				<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
				<i>For Trap Primer Connection, Add</i>	38.00	
				<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
				<i>For Vandal Proof Secured Grate, Add</i>	33.50	
				<i>For White Acid Resistant Bucket, Add</i>	47.00	
				<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	554.98	146.53
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	538.22	107.08
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	564.03	120.03
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	589.50	132.79
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	616.98	146.53
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	66.98	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	56.46	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	60.67	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	71.18	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	64.87	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	88.17	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	96.64	12.45
Note: Prevents emission of sewer gases.		
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	117.66	12.45
Note: Prevents emission of sewer gases.		
22 13 19 26 Grease Removal Devices (22 13 19)		
22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	741.00	74.72
Note: Josam 60102H.		
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,307.82	
22 13 19 26-0004 EA 10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	860.75	168.10
Note: Josam 60103H.		
For Flange And Clamp Device, Add	372.23	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,381.55	
22 13 19 26-0005 EA 15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,191.60	186.77
Note: Josam 60104H.		
For Flange And Clamp Device, Add	384.68	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,508.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006 EA 20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i>	1,427.61 397.13	205.45
22 13 19 26-0007 EA 25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,630.42 439.98	224.14
22 13 19 26-0008 EA 35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,697.41 476.09	261.49
22 13 19 26-0009 EA 50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i>	1,950.70 541.95	298.84
22 13 19 26-0010 EA 75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,990.05 768.13	336.20
22 13 19 26-0011 EA 100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	5,409.89 860.27	378.40
22 13 19 26-0012 EA 150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	6,744.18 1,171.62	605.43
22 13 19 26-0013 EA 200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	9,621.77 1,401.81	756.79
22 13 19 26-0014 EA 250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	11,236.69 1,815.67	908.15
22 13 19 26-0015 EA 350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	14,540.15 2,154.34	1,059.51
22 13 19 26-0016 EA 500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	18,731.29 2,528.53	1,210.86
22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small>		
Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018 EA 20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	2,003.17	205.45
22 13 19 26-0019 EA 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,575.32	261.49
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,171.23	298.84
22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small>		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small>		
Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,742.42 1,307.82	74.72
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,044.57 1,381.55	168.10
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,188.66 1,508.70	186.77
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,657.94 1,630.42	205.45
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,190.46 1,697.41	224.14
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,316.21 1,867.25	261.49
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,785.70 1,990.05	298.84
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small>		
Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,403.38	261.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>		
Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	3,839.67	205.45
Note: Lowe Engineering 20 Greasestopper.		
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	4,441.20	224.14
Note: Lowe Engineering 25 Greasestopper.		
22 13 19 26-0035 Precast Concrete Grease Interceptor <small>(22 13 19 26)</small>		
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036 EA 1,000 Gallon Pre-Cast Grease Interceptor.....	4,415.44	329.67
22 13 19 26-0037 EA 1,250 Gallon Pre-Cast Grease Interceptor.....	5,051.00	329.67
22 13 19 26-0038 EA 1,500 Gallon Pre-Cast Grease Interceptor.....	5,732.84	376.89
22 13 19 26-0039 EA 2,000 Gallon Pre-Cast Grease Interceptor.....	6,525.71	532.26
22 13 19 26-0040 EA 2,500 Gallon Pre-Cast Grease Interceptor.....	7,349.65	716.12
22 13 19 26-0041 EA 4,000 Gallon Pre-Cast Grease Interceptor.....	11,021.26	942.18
22 13 19 26-0042 EA 5,000 Gallon Pre-Cast Grease Interceptor.....	14,155.62	1,545.03
22 13 19 26-0043 Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small>		
Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	1,911.86	284.64
22 13 19 26-0045 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,519.30	338.21
22 13 19 26-0046 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,057.51	416.14
22 13 19 26-0047 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,320.89	450.77
22 13 19 26-0048 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,921.96	491.90
22 13 19 26-0049 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,037.92	541.14
22 13 19 26-0050 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,096.02	622.59
22 13 19 26-0051 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,956.30	766.04
22 13 19 26-0052 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,860.70	830.28
22 13 19 26-0053 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	14,991.11	996.14
22 13 19 26-0054 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,198.28	1,070.86
22 13 19 26-0055 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	21,564.75	1,277.06
22 13 19 26-0056 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,424.94	1,046.46
22 13 19 26-0057 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	30,125.78	1,245.18
22 13 19 33 Backwater Valves <small>(22 13 19)</small>		
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve.....	231.51	28.59
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve.....	242.47	35.97
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve.....	346.69	47.82
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve.....	881.81	63.85
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve.....	1,082.61	84.04
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve.....	3,030.72	103.68
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve.....	3,445.64	134.46
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	587.91	68.19
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	875.16	82.68
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,087.13	106.59
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,486.50	116.01
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,037.27	137.48
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,491.09	107.89
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,544.48	143.45
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,215.28	171.82
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,245.15	191.55
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	94.97	35.97
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	117.01	47.82
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	289.09	63.85
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	215.37	71.92
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	286.77	95.63
Note: Includes valve body, flapper assembly and collar.		



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	466.03	127.70
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19)		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	99.61	13.95
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	116.89	13.95
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	708.42	141.06
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	709.22	141.06
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	969.86	141.06
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	969.86	141.06
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,028.87	141.06
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	308.96	48.27
For Stainless Steel Bucket, Add 175.00		
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	315.14	51.41
For Stainless Steel Bucket, Add 175.00		
22 13 23 00-0010 Sediment Strainers (22 13 23)		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side.....	144.61	65.97
22 13 29 Sanitary Sewerage Pumps (22 13)		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,002.95	1,194.98
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,409.42	1,194.98
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,815.89	1,194.98
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	10,203.60	1,194.98
22 13 29 13-0007 2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,128.56	1,194.98
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,284.90	1,194.98
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,394.33	1,194.98
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,144.74	1,194.98
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,879.51	1,194.98
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,005.13	1,194.98
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	14,130.74	1,194.98
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	16,046.91	1,590.25
22 13 29 13-0016 3" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,911.90	1,194.98
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,911.90	1,194.98
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	11,182.76	1,194.98
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,284.40	1,194.98
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,653.06	1,194.98
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,176.60	1,590.25
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	17,114.61	1,590.25



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	519.49	
22 13 29 13-0026	EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	623.75	
22 13 29 13-0027	EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	697.18	
22 13 29 13-0028	EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	709.88	
22 13 29 13-0029	EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	796.91	
22 13 29 13-0030	Float Switches (22 13 29 13-0001)		
	Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	466.91	
22 13 29 13-0032	EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	490.48	
22 13 29 13-0033	EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	501.36	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA 24" Steel Sump Covers, Square Or Round.....	465.63	39.85
22 13 29 13-0036	EA 30" Steel Sump Covers, Square Or Round.....	515.79	44.82
22 13 29 13-0037	EA 36" Steel Sump Covers, Square Or Round.....	713.73	59.76
22 13 29 13-0038	EA 40" Steel Sump Covers, Square Or Round.....	1,022.05	69.73
22 13 29 13-0039	EA 42" Steel Sump Covers, Square Or Round.....	1,093.53	72.22
22 13 29 13-0040	EA 48" Steel Sump Covers, Square Or Round.....	1,167.50	74.72
22 13 29 13-0041	EA 54" Steel Sump Covers, Square Or Round.....	1,482.79	89.66
22 13 29 13-0042	EA 60" Steel Sump Covers, Square Or Round.....	1,990.67	99.61
22 13 29 13-0043	EA 72" Steel Sump Covers, Square Or Round.....	2,524.13	124.52
22 13 29 13-0044	EA 84" Steel Sump Covers, Square Or Round.....	3,191.47	136.97
22 13 29 16	Submersible Sewerage Pumps (22 13 29)		
	Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002	Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	540.48	72.52
22 13 29 16-0004	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	690.91	72.52
22 13 29 16-0005	EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	834.54	90.64
22 13 29 16-0006	Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0007	EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	781.25	72.52
22 13 29 16-0008	EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	957.43	90.64
22 13 29 16-0009	EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,183.66	146.11
22 13 29 16-0010	EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,315.89	178.57
22 13 29 16-0011	Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012	EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,643.88	90.64
22 13 29 16-0013	EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,812.93	135.02
22 13 29 16-0014	EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,336.79	165.02
22 13 29 16-0015	EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,719.94	200.02
22 13 29 16-0016	EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,169.78	235.02
22 13 29 16-0017	EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,320.66	270.03
22 13 29 16-0018	Submersible Sewage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019	EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	314.81	75.21
	Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020	EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	713.26	100.29
	Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021	EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	916.38	100.29
	Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022	EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	1,027.39	125.35
	Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023	EA High-water Alarm For Submersible Sewage Pump.....	239.92	50.14
22 13 29 16-0024	EA Float Switch For Submersible Sewage Pump.....	92.21	25.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	444.30	75.21
22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)						
				22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)		
				22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
			EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	110.47	
			EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	140.20	
			EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	301.10	
			EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	417.47	
			EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	533.82	
			EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	619.25	
				22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)		
			EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	187.41	
			EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	353.81	
			EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	615.52	
			EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	818.44	
			EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	939.67	
			EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	992.69	
			EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,161.03	
			EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,345.86	
				22 13 53 Facility Septic Tanks (22 13)		
				See CSI section 33 36 13 00-0000 for septic tanks.		
				22 14 Facility Storm Drainage (22 10)		
				22 14 13 Facility Storm Drainage Piping (22 14)		
				See CSI section 22 13 16 00-0000 for storm drainage piping.		
				22 14 26 Facility Storm Drains (22 14)		
				22 14 26 13 Roof Drains (22 14 26)		
				22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)		
				22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)		
				Note: Dome free area is 124 square inches.		
			EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	477.55	166.06
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	560.56	199.23
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	643.57	249.04
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	830.59	298.84
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	872.10	332.01
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	967.38	348.65
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
			EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,148.27	361.10
				For Galvanized Iron Parts, Add	197.00	
				For Deck Clamp, Add	50.00	
				For Bronze Dome, Add	170.50	
				For Drain Receiver, Add	75.50	
				For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001) Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	613.55	166.06
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0012 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	706.06	199.23
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0013 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	807.57	249.04
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,069.09	298.84
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	1,145.10	332.01
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	747.55	166.06
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	830.56	199.23
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	913.57	249.04
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	1,096.59	298.84
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	1,138.10	332.01
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	423.82	66.44
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	457.02	82.98
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	472.12	90.55
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	653.53	120.03
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	706.48	146.53
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001) Note: Grate free area is 27 square inches.		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	500.55	166.06
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	583.56	199.23
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	666.57	249.04
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0032			Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	520.55	166.06
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	603.56	199.23
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	686.57	249.04
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	873.59	298.84
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	915.10	332.01
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	1,010.38	348.65
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	1,191.27	361.10
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0040			Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041			Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	528.05	166.06
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	611.06	199.23
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	694.07	249.04
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	922.60	331.72
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	1,018.08	348.65
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	1,198.77	361.10
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0048			Retrofit Roof Drains (22 14 26 13)		

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	609.96	199.23
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	700.46	249.04
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	854.97	298.84
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	926.46	331.72
22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	677.42	199.23
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	764.93	249.04
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	923.93	298.84
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	974.43	331.72
22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	612.95	199.23
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	703.46	249.04
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	857.96	298.84
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	905.47	331.72
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles <small>(22 14 26 13)</small>		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle	345.88	99.61
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle	345.88	99.61
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle	345.88	99.61
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle	513.08	124.52
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle	513.08	124.52
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle	636.00	124.52
22 14 26 16 Facility Area Drains <small>(22 14 26)</small>		
22 14 26 16-0001 Area Drain <small>(22 14 26 16)</small>		
22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	771.42	119.94
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0003 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	797.28	132.89
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0004 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	824.48	146.53
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0005 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	852.83	160.68
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0006 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	545.92	119.94
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0007 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	571.78	132.89
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	
22 14 26 16-0008 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	598.98	146.53
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	101.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0009	EA			12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	627.33	160.68
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0010	EA			12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	732.42	119.94
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0011	EA			12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	758.28	132.89
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0012	EA			12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	785.48	146.53
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0013	EA			12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	813.83	160.68
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Vandal Proof Screws, Add</i>	29.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0014	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,367.42	119.94
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,393.28	132.89
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,420.48	146.53
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA			16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,448.83	160.68
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	762.42	119.94
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	788.28	132.89
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	815.48	146.53
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA			16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	843.83	160.68
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA			16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,305.92	119.94
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA			16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,331.78	132.89
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA			16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,358.98	146.53
				<i>For Ductile Iron Grate, Add</i>	123.50	
				<i>For Primer Tap, Add</i>	36.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	258.50	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0025 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,387.33	160.68
For Ductile Iron Grate, Add	123.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0026 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	446.42	119.94
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0027 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	472.28	132.89
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0028 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	499.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0029 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	343.42	119.94
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0030 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	369.28	132.89
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0031 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	396.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0032 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	431.42	119.94
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0033 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	457.28	132.89
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0034 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	484.48	146.53
For Galvanized Cast Iron Parts, Add	87.50	
For Vandal Proof Grate, Add	30.50	
22 14 26 16-0035 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	972.92	119.94
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0036 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	998.78	132.89
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0037 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,025.98	146.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0038 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	697.42	119.94
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0039 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	723.28	132.89
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0040 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	750.48	146.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0041 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	924.92	119.94
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0042 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	950.78	132.89
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	
22 14 26 16-0043 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	977.98	146.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	126.00	
For Galvanized Cast Iron Parts, Add	205.00	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19 Facility Trench Drains (22 14 26)		
22 14 26 19-0001 Trench Drain (22 14 26 19)		
Note: Each section is 39.4" in length.		
22 14 26 19-0002 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	658.26	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0003 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	684.12	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0004 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	711.32	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0005 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	442.21	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0006 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	468.07	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0007 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	495.27	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0008 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	628.82	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0009 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	654.68	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0010 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	681.88	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0011 EA 6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	537.80	59.76
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0012 EA 6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	321.75	59.76
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0013 EA 6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	508.36	59.76
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	65.50	
22 14 26 19-0014 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	981.64	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,007.50	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0016 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,034.70	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	714.30	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	740.16	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	767.36	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	945.07	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	970.93	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	998.13	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	839.18	119.94
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	865.04	132.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	892.24	146.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	861.16	59.76
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0027	EA			12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 593.82	593.82	59.76
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA			12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 824.59	824.59	59.76
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA			12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 718.70	718.70	59.76
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 29 Sump Pumps (22 14)						
See CSI section 22 11 16 00-0000 for pipe extensions into well.						
22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)						
22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)						
Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.						
22 14 29 13-0002	EA			1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head..... 3,194.99	3,194.99	289.00
22 14 29 13-0003	EA			1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head..... 3,443.23	3,443.23	349.79
22 14 29 13-0004	EA			2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head..... 3,958.49	3,958.49	415.56
22 14 29 13-0005	EA			3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head..... 4,322.55	4,322.55	511.23
22 14 29 13-0006	EA			5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head..... 4,588.08	4,588.08	554.08
22 14 29 13-0007	EA			10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head..... 5,452.47	5,452.47	664.70
22 14 29 13-0008	EA			15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head..... 6,145.81	6,145.81	656.07
22 14 29 13-0009	EA			20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head..... 7,449.99	7,449.99	777.91
22 14 29 13-0010	EA			30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head..... 8,143.17	8,143.17	907.24
22 14 29 13-0011	EA			50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head..... 10,744.02	10,744.02	1,089.07
22 14 29 13-0012	EA			60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head..... 14,442.64	14,442.64	1,209.65
22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)						
22 14 29 13-0014	EA			1-1/2" Diameter x 5' Long Extra Column Assembly 1,200.19	1,200.19	
22 14 29 13-0015	EA			2" Diameter x 5' Long Extra Column Assembly 1,313.28	1,313.28	
22 14 29 13-0016	EA			2-1/2" Diameter x 5' Long Extra Column Assembly 519.49	519.49	
22 14 29 13-0017	EA			3" Diameter x 5' Long Extra Column Assembly 1,725.45	1,725.45	
22 14 29 13-0018	EA			4" Diameter x 5' Long Extra Column Assembly 1,928.59	1,928.59	
22 14 29 13-0019	EA			5" Diameter x 5' Long Extra Column Assembly 709.88	709.88	
22 14 29 13-0020	EA			6" Diameter x 5' Long Extra Column Assembly 2,204.46	2,204.46	
22 14 29 13-0021	EA			8" Diameter x 5' Long Extra Column Assembly 2,412.20	2,412.20	
22 14 29 13-0022 Float Switch (22 14 29 13)						
22 14 29 13-0023	EA			For Float Switch Copper Coated Float, General Purpose..... 1,353.84	1,353.84	31.38
22 14 29 13-0024	EA			For Float Switch Copper Coated Float, Weathertight 1,419.05	1,419.05	31.38
22 14 29 13-0025	EA			For Float Switch Copper Coated Float, Explosion Proof..... 1,449.14	1,449.14	31.38
22 14 29 13-0026 Support Plate (22 14 29 13)						
22 14 29 13-0027	EA			24" Steel Support Plate, Round Or Square..... 465.63	465.63	39.85
22 14 29 13-0028	EA			30" Steel Support Plate, Round Or Square..... 515.79	515.79	44.82
22 14 29 13-0029	EA			36" Steel Support Plate, Round Or Square..... 713.73	713.73	59.76
22 14 29 13-0030	EA			40" Steel Support Plate, Round Or Square..... 1,022.05	1,022.05	69.73
22 14 29 13-0031	EA			42" Steel Support Plate, Round Or Square..... 1,093.53	1,093.53	72.22
22 14 29 13-0032	EA			48" Steel Support Plate, Round Or Square..... 1,167.40	1,167.40	74.72
22 14 29 13-0033	EA			54" Steel Support Plate, Round Or Square..... 1,482.79	1,482.79	89.66
22 14 29 13-0034	EA			60" Steel Support Plate, Round Or Square..... 1,990.67	1,990.67	99.61
22 14 29 13-0035	EA			72" Steel Support Plate, Round Or Square..... 2,652.29	2,652.29	124.52
22 14 29 13-0036	EA			84" Steel Support Plate, Round Or Square..... 3,191.47	3,191.47	136.97
22 14 29 16 Submersible Sump Pumps (22 14 29)						
Note: Includes 25' of cord with pumps unless otherwise noted.						
22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)						
22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)						
22 14 29 16-0003	EA			1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller 324.30	324.30	64.94
22 14 29 16-0004	EA			1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller 353.19	353.19	64.94
22 14 29 16-0005	EA			1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller 490.91	490.91	68.73
22 14 29 16-0006	EA			1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller 524.65	524.65	68.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller <small>(22 14 29 16-0001)</small>		
22 14 29 16-0008 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	744.78	68.73
22 14 29 16-0009 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	802.97	68.73
22 14 29 16-0010 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	847.41	75.76
22 14 29 16-0011 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	907.63	75.76
22 14 29 16-0012 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	955.56	86.58
22 14 29 16-0013 EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,015.79	86.58
22 14 29 16-0014 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,038.74	102.82
22 14 29 16-0015 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,088.38	102.82
22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller <small>(22 14 29 16)</small>		
22 14 29 16-0017 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	727.19	64.94
22 14 29 16-0018 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	826.16	68.73
22 14 29 16-0019 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	976.02	72.52
22 14 29 16-0020 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,030.92	75.76
22 14 29 16-0021 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,176.14	86.58
22 14 29 16-0022 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,370.34	102.82
22 14 29 19 Sump-Pump Basins and Pits <small>(22 14 29)</small> See CSI section 22 13 29 33-0000 for basins and pits.		
22 15 General Service Compressed-Air Systems <small>(22 10)</small>		
22 15 13 General Service Compressed-Air Piping <small>(22 15)</small>		
22 15 13 00-0001 Quick Disconnect, Air-Service <small>(22 15 13)</small>		
22 15 13 00-0002 Combination Steel And Brass <small>(22 15 13 00-0001)</small>		
22 15 13 00-0003 EA 1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	45.83	15.16
22 15 13 00-0004 EA 3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	50.32	18.40
22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters <small>(22 15 13)</small>		
22 15 13 00-0006 EA 3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	583.07	82.24
22 15 13 00-0007 EA 5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	659.35	84.52
22 15 13 00-0008 EA 7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	831.27	86.81
22 15 13 00-0009 EA 10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	963.67	91.37
22 15 13 00-0010 EA 15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,072.56	102.80
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,191.70	116.96
22 15 13 00-0012 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,681.79	148.48
22 15 13 00-0013 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,894.41	173.61
22 15 13 00-0014 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,058.07	185.49
22 15 13 00-0015 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,238.53	205.59
22 15 13 00-0016 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,519.80	228.44
22 15 13 00-0017 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,803.47	251.28
22 15 13 00-0018 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,956.61	278.69
22 15 13 00-0019 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,436.59	296.96
22 15 13 00-0020 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,119.57	308.39
22 15 13 00-0021 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,846.80	319.81
22 15 13 00-0022 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,376.23	331.23
22 15 13 00-0023 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,846.81	342.66
22 15 13 00-0024 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,527.53	365.50
22 15 13 00-0025 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,640.69	456.87
22 15 13 00-0026 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,650.77	548.25
22 15 13 00-0027 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,763.93	639.62
22 15 13 00-0028 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,655.62	731.00
22 15 13 00-0029 Oil And Water Separator For Air Compressor <small>(22 15 13)</small>		
22 15 13 00-0030 EA 0-60 SCFM Oil/Water Separator.....	524.58	34.65
22 15 13 00-0031 EA 85 SCFM Oil/Water Separator.....	705.46	40.60
22 15 13 00-0032 EA 190 SCFM Oil/Water Separator.....	823.91	46.01
22 15 13 00-0033 EA 245 SCFM Oil/Water Separator.....	1,032.69	54.13
22 15 13 00-0034 EA 320 SCFM Oil/Water Separator.....	1,227.76	64.96
22 15 13 00-0035 EA 700 SCFM Oil/Water Separator.....	2,477.09	135.33



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0036				Heavy Duty Industrial Pressure Regulator <small>(22 15 13)</small>		
			EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	99.08	27.41
			EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	137.68	36.55
			EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	228.66	45.69
			EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	291.10	68.53
			EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	400.69	79.95
			EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	423.53	91.37
22 15 13 00-0043				Combination Air System; Filter Regulator Lubricator <small>(22 15 13)</small>		
			EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	367.77	82.24
			EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	458.47	109.65
22 15 13 00-0046				Heatless Desiccant Air Dryers <small>(22 15 13)</small>		
			EA	5 SCFM Heatless Desiccant Air Dryer.....	2,009.39	82.24
			EA	10 SCFM Heatless Desiccant Air Dryer.....	2,413.10	91.37
			EA	15 SCFM Heatless Desiccant Air Dryer.....	2,439.74	100.51
			EA	20 SCFM Heatless Desiccant Air Dryer.....	2,786.52	114.22
			EA	30 SCFM Heatless Desiccant Air Dryer.....	3,830.73	137.07
			EA	50 SCFM Heatless Desiccant Air Dryer.....	3,801.32	182.75
			EA	85 SCFM Heatless Desiccant Air Dryer.....	5,099.35	228.44
			EA	100 SCFM Heatless Desiccant Air Dryer.....	5,423.70	274.12
			EA	125 SCFM Heatless Desiccant Air Dryer.....	6,211.56	319.81
			EA	175 SCFM Heatless Desiccant Air Dryer.....	7,132.05	365.50
			EA	200 SCFM Heatless Desiccant Air Dryer.....	7,671.30	411.19
			EA	300 SCFM Heatless Desiccant Air Dryer.....	9,362.78	456.87
			EA	400 SCFM Heatless Desiccant Air Dryer.....	10,416.15	548.25
			EA	500 SCFM Heatless Desiccant Air Dryer.....	12,041.15	639.62
			EA	600 SCFM Heatless Desiccant Air Dryer.....	13,890.99	731.00
22 15 13 00-0062				Air Cooled Aftercoolers <small>(22 15 13)</small>		
			EA	20 SCFM Air-Cooled Aftercooler.....	520.85	57.11
			EA	35 SCFM Air-Cooled Aftercooler.....	700.34	68.53
			EA	43 SCFM Air-Cooled Aftercooler.....	771.01	79.95
			EA	70 SCFM Air-Cooled Aftercooler.....	939.75	91.37
			EA	125 SCFM Air-Cooled Aftercooler.....	1,299.83	102.80
			EA	185 SCFM Air-Cooled Aftercooler.....	1,459.02	114.22
			EA	260 SCFM Air-Cooled Aftercooler.....	2,793.16	137.07
			EA	365 SCFM Air-Cooled Aftercooler.....	2,926.39	159.91
			EA	560 SCFM Air-Cooled Aftercooler.....	3,058.67	182.75
			EA	650 SCFM Air-Cooled Aftercooler.....	3,583.67	205.59
			EA	750 SCFM Air-Cooled Aftercooler.....	3,919.24	228.44
			EA	900 SCFM Air-Cooled Aftercooler.....	4,490.17	251.28
			EA	1,100 SCFM Air-Cooled Aftercooler.....	5,746.11	274.12
			EA	1,460 SCFM Air-Cooled Aftercooler.....	6,566.26	296.96
			EA	1,800 SCFM Air-Cooled Aftercooler.....	6,785.35	319.81
			EA	2,500 SCFM Air-Cooled Aftercooler.....	7,275.91	342.66
22 15 13 00-0079				Compressed Air Coalescing Filters <small>(22 15 13)</small>		
22 15 13 00-0080				1.0 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0079)</small>		
			EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	189.96	35.19
			EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	223.45	35.19
			EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	245.04	40.60
			EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	282.06	46.55
			EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	327.68	51.43
			EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	373.25	62.25
			EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	469.05	67.66
			EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	487.67	81.20
			EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	627.91	108.26
			EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	717.17	121.79
22 15 13 00-0091				0.01 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0079)</small>		
			EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	228.24	35.19
			EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	248.61	40.60
			EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	285.41	46.55
			EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	334.38	46.01
			EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	380.90	62.25
			EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	430.72	67.66
			EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	496.29	81.20
			EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	642.26	108.26
			EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	736.30	121.79



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0101			Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0102			Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0103	EA		12 Gallon Horizontal Compressed Air Storage Tank, ASME	313.63	73.10
22 15 13 00-0104	EA		15 Gallon Horizontal Compressed Air Storage Tank, ASME	405.70	79.95
22 15 13 00-0105	EA		20 Gallon Horizontal Compressed Air Storage Tank, ASME	429.28	84.06
22 15 13 00-0106	EA		30 Gallon Horizontal Compressed Air Storage Tank, ASME	485.53	91.37
22 15 13 00-0107	EA		60 Gallon Horizontal Compressed Air Storage Tank, ASME	637.37	123.35
22 15 13 00-0108	EA		80 Gallon Horizontal Compressed Air Storage Tank, ASME	759.09	137.07
22 15 13 00-0109	EA		120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,098.82	159.91
22 15 13 00-0110	EA		200 Gallon Horizontal Compressed Air Storage Tank, ASME	1,590.00	182.75
22 15 13 00-0111	EA		240 Gallon Horizontal Compressed Air Storage Tank, ASME	1,764.33	194.17
22 15 13 00-0112	EA		325 Gallon Horizontal Compressed Air Storage Tank, ASME	2,485.05	205.59
22 15 13 00-0113	EA		400 Gallon Horizontal Compressed Air Storage Tank, ASME	3,247.01	239.86
22 15 13 00-0114	EA		660 Gallon Horizontal Compressed Air Storage Tank, ASME	4,618.99	285.55
22 15 13 00-0115			Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0116	EA		10 Gallon Vertical Compressed Air Storage Tank, ASME	376.63	73.10
22 15 13 00-0117	EA		15 Gallon Vertical Compressed Air Storage Tank, ASME	398.02	79.95
22 15 13 00-0118	EA		20 Gallon Vertical Compressed Air Storage Tank, ASME	429.28	84.06
22 15 13 00-0119	EA		30 Gallon Vertical Compressed Air Storage Tank, ASME	500.74	91.37
22 15 13 00-0120	EA		60 Gallon Vertical Compressed Air Storage Tank, ASME	682.99	123.35
22 15 13 00-0121	EA		80 Gallon Vertical Compressed Air Storage Tank, ASME	781.07	137.07
22 15 13 00-0122	EA		120 Gallon Vertical Compressed Air Storage Tank, ASME	1,051.04	159.91
22 15 13 00-0123	EA		200 Gallon Vertical Compressed Air Storage Tank, ASME	1,491.53	182.75
22 15 13 00-0124	EA		240 Gallon Vertical Compressed Air Storage Tank, ASME	1,638.82	194.17
22 15 13 00-0125	EA		325 Gallon Vertical Compressed Air Storage Tank, ASME	2,177.82	205.59
22 15 13 00-0126	EA		400 Gallon Vertical Compressed Air Storage Tank, ASME	2,770.19	239.86
22 15 13 00-0127	EA		500 Gallon Vertical Compressed Air Storage Tank, ASME	3,568.61	262.71
22 15 13 00-0128	EA		660 Gallon Vertical Compressed Air Storage Tank, ASME	5,809.34	296.96
22 15 19			General Service Packaged Air Compressors And Receivers (22 15)		
			Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13			General Service Packaged Reciprocating Air Compressors (22 15 19)		
22 15 19 13-0001			Single Stage Compressor (22 15 19 13)		
			Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA		1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,579.16	324.20
22 15 19 13-0003	EA		3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,675.65	374.18
22 15 19 13-0004	EA		1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,922.89	441.89
22 15 19 13-0005	EA		2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,179.23	487.58
22 15 19 13-0006	EA		3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,606.63	514.99
22 15 19 13-0007	EA		3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,772.77	533.26
22 15 19 13-0008	EA		5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,121.38	609.47
22 15 19 13-0009	EA		5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,342.40	646.02
22 15 19 13-0010	EA		7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	3,978.50	731.37
22 15 19 13-0011			Two Stage Compressor (22 15 19 13)		
			Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA		1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	2,983.13	569.82
22 15 19 13-0013	EA		2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	3,244.99	670.42
22 15 19 13-0014	EA		3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,414.03	731.37
22 15 19 13-0015	EA		5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	4,000.03	975.16
22 15 19 13-0016	EA		5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	4,257.15	975.16
22 15 19 13-0017	EA		7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	4,695.26	1,218.94
22 15 19 13-0018	EA		7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,928.46	1,218.94
22 15 19 13-0019	EA		10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	6,290.64	1,507.69
22 15 19 13-0020	EA		10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	6,792.83	1,553.37
22 15 19 13-0021	EA		15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	7,327.22	1,815.43
22 15 19 13-0022	EA		20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	10,551.83	2,055.02
22 15 19 13-0023	EA		25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	11,418.26	2,322.11
22 15 19 13-0024	EA		30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	12,709.75	2,566.44
22 15 19 13-0025	EA		30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	13,841.71	2,812.70
22 15 19 19			General Service Packaged Rotary-Screw Air Compressors (22 15 19)		
22 15 19 19-0001			Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
			Note: Oil flooded.		
22 15 19 19-0002	EA		3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,051.86	863.92
22 15 19 19-0003	EA		5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,777.91	1,151.90
22 15 19 19-0004	EA		7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	7,380.54	1,444.21
22 15 19 19-0005	EA		10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,691.44	1,840.44
22 15 19 19-0006	EA		15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	9,958.01	2,165.22
22 15 19 19-0007	EA		20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,954.10	2,435.89
22 15 19 19-0008	EA		25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,140.55	2,706.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0009	EA		30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	15,605.46	3,031.32
22 15 19 19-0010	EA		40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	17,091.43	3,247.84
22 15 19 19-0011	EA		50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	19,077.72	3,500.09
22 15 19 19-0012	EA		60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	24,212.79	3,789.16
22 15 19 19-0013	EA		75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	26,721.25	4,005.68
22 15 19 19-0014	EA		100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	41,377.80	4,330.46
22 15 19 19-0015	EA		125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	51,096.26	4,682.31
22 15 19 19-0016	EA		150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	59,060.66	5,039.57
22 15 19 19-0017	EA		220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	75,987.24	5,413.08
22 15 19 19-0018	EA		250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	86,054.78	5,759.50

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA		5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,360.31	1,151.90
22 15 19 19-0021	EA		5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,704.73	1,151.90
22 15 19 19-0022	EA		7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,654.40	1,444.21
22 15 19 19-0023	EA		7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,031.11	1,444.21
22 15 19 19-0024	EA		10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,842.13	1,840.44
22 15 19 19-0025	EA		10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	9,240.36	1,840.44
22 15 19 19-0026	EA		15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	10,082.39	2,165.22
22 15 19 19-0027	EA		15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	10,512.91	2,165.22
22 15 19 19-0028	EA		20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,488.95	2,435.89
22 15 19 19-0029	EA		25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,836.85	2,706.54
22 15 19 19-0030	EA		30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	19,077.15	3,031.32

22 30 Plumbing Equipment (22)

22 31 Domestic Water Softeners (22 30)

22 31 16 Commercial Domestic Water Softeners (22 31)

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)

22 31 16 00-0003 **1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA		30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,809.48	273.94
22 31 16 00-0005	EA		45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	2,936.69	286.39
22 31 16 00-0006	EA		60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,162.89	298.84
22 31 16 00-0007	EA		90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,618.99	311.30
22 31 16 00-0008	EA		120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	3,851.79	323.75

22 31 16 00-0009 **1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA		60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,134.19	298.84
22 31 16 00-0011	EA		90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,346.09	311.30
22 31 16 00-0012	EA		120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,579.99	323.75
22 31 16 00-0013	EA		150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,410.10	336.20
22 31 16 00-0014	EA		210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	5,997.10	348.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,259.51	361.10
22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,183.09	311.30
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	6,409.29	323.75
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	7,241.60	336.20
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	7,828.60	348.65
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	9,159.21	361.10
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	12,012.21	373.56
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	14,018.22	386.00
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	14,685.61	361.10
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	16,936.91	373.56
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	18,916.52	386.00
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	23,758.31	398.46
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	26,286.82	410.91
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	10,118.89	466.94
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	10,566.55	485.62
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	11,999.80	504.30
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	13,100.85	522.98
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	15,927.81	541.66
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	20,996.57	560.33
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	24,659.52	579.01
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	26,888.21	541.66
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	30,848.17	560.33
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	34,633.22	579.01
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	43,975.47	597.69
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	49,065.13	616.36
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046				1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA			30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	3,728.02	410.91
22 31 16 00-0048	EA			45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	3,969.98	429.59
22 31 16 00-0049	EA			60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	4,316.43	448.26
22 31 16 00-0050	EA			90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	5,132.59	466.94
22 31 16 00-0051	EA			120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	5,656.15	485.62
22 31 16 00-0052				1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA			60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,058.73	448.26
22 31 16 00-0054	EA			90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,439.29	466.94
22 31 16 00-0055	EA			120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,995.85	485.62
22 31 16 00-0056	EA			150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,117.80	504.30
22 31 16 00-0057	EA			210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,256.25	522.98
22 31 16 00-0058	EA			300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	12,765.31	541.66
22 32				Domestic Water Filtration Equipment <small>(22 30)</small>		
22 32 16				Domestic-Water Freestanding Cartridge Filters <small>(22 32)</small>		
22 32 16 00-0001				Commercial Water Filters Housings <small>(22 32 16)</small>		
22 32 16 00-0002				Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
22 32 16 00-0003				Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		
22 32 16 00-0004	EA			25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,479.35	175.92
22 32 16 00-0005	EA			30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,516.31	189.46
22 32 16 00-0006	EA			60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,614.88	202.99
22 32 16 00-0007	EA			90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,781.64	216.52
22 32 16 00-0008	EA			120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,840.61	230.05
22 32 16 00-0009	EA			150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,204.27	243.59
22 32 16 00-0010	EA			250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	5,867.94	257.12
22 32 16 00-0011	EA			300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	6,804.70	270.65
22 32 16 00-0012	EA			500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	8,593.97	284.18
22 32 16 00-0013	EA			600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	9,519.73	297.72
22 32 16 00-0014				Commercial Water Filter Cartridges <small>(22 32 16 00-0002)</small>		
22 32 16 00-0015				(Depth) Water Filter Cartridges <small>(22 32 16 00-0014)</small>		
22 32 16 00-0016	EA			50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	8.45	2.16
22 32 16 00-0017	EA			20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	8.45	2.16
22 32 16 00-0018	EA			10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	8.45	2.16
22 32 16 00-0019	EA			5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.35	2.16
22 32 16 00-0020	EA			1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	8.73	2.16
22 32 16 00-0021	EA			50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	8.73	2.16
22 32 16 00-0022	EA			20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	9.28	2.16
22 32 16 00-0023	EA			5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	11.21	2.16
22 32 16 00-0024	EA			1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	9.28	2.16
22 32 16 00-0025	EA			50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	10.65	2.16
22 32 16 00-0026	EA			20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	10.65	2.16
22 32 16 00-0027	EA			5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	10.65	2.16
22 32 16 00-0028	EA			1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	11.48	2.16
22 32 16 00-0029	EA			50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	14.51	2.16

22	Plumbing
22 30	Plumbing Equipment
22 32	Domestic Water Filtration Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	13.41	2.16
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	13.41	2.16
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	14.51	2.16
22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	13.68	2.16
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	13.68	2.16
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	13.95	2.16
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	14.78	2.16
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	21.38	2.16
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	20.55	2.16
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	20.55	2.16
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	20.55	2.16
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	26.61	2.16
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	37.05	2.16
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	31.28	2.16
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	42.83	2.16
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	44.48	2.16
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	49.98	2.16
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,183.33	162.39
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	346.98	2.16
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	73.35	2.16
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	72.81	2.16
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	72.81	2.16
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	83.25	2.16
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	191.33	2.16
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	179.78	2.16
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	195.73	2.16
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	205.08	2.16
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	218.28	2.16
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	236.43	2.16
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	289.18	54.11
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	355.22	54.11
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	393.45	81.17
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	484.23	108.23
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	825.32	189.40
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,191.79	216.46
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	740.23	108.23
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	1,026.08	162.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	1,168.62	216.46
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,204.95	216.46
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,239.26	216.46
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,289.72	216.46
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	607.29	170.46
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	717.75	181.29
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	822.79	189.40
22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)		
22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater.....	866.20	189.40
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater.....	831.39	194.82
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater.....	826.68	200.22
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater.....	902.31	202.93
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater.....	1,224.79	208.35
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater.....	1,252.12	216.46
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater.....	1,607.95	229.99
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	916.04	189.40
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	886.90	194.82
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	933.25	200.22
22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	945.12	194.82
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,019.84	200.22
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,216.97	208.35
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,313.12	216.46
22 33 30 16-0018 Water Heater Accessories (22 33 30 16)		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	68.33	10.82
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	78.74	10.82
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	143.09	10.82
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	188.37	10.82
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	45.04	8.12
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	48.51	8.12
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	50.82	8.12
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	58.92	8.12
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	27.63	8.12
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	29.48	8.12
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	32.08	8.12
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	35.43	8.12
22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)		
22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	3,811.49	189.40
22 33 33 00-0003 EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	3,951.60	189.40
22 33 33 00-0004 EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	4,179.28	189.40
22 33 33 00-0005 EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	4,169.17	216.46
22 33 33 00-0006 EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	4,348.98	216.46
22 33 33 00-0007 EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	4,713.27	216.46
22 33 33 00-0008 EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	4,786.83	216.46
22 33 33 00-0009 EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	5,019.18	216.46
22 33 33 00-0010 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	5,155.79	216.46

22 Plumbing
22 30 Plumbing Equipment
22 33 Electric Domestic Water Heaters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	4,525.29	216.46
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	4,747.13	216.46
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	5,079.90	216.46
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	5,091.58	216.46
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	5,322.76	216.46
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	6,673.67	216.46
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	4,961.62	270.57
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	5,188.13	270.57
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	5,392.46	270.57
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	5,550.09	270.57
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	6,903.33	270.57
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	7,450.94	270.57
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	8,019.56	270.57
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	5,868.48	324.69
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	6,052.96	324.69
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	6,131.19	324.69
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	6,201.25	324.69
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	7,963.16	324.69
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	8,402.18	324.69
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	8,629.86	324.69
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	10,095.20	324.69
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	10,252.82	324.69
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	12,207.38	324.69
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	14,438.67	324.69
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	17,737.14	324.69
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	6,657.08	432.91
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	6,814.70	432.91
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	6,902.27	432.91
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	6,993.35	432.91
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	8,723.73	432.91
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	9,149.90	432.91
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,711.62	432.91
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	10,784.54	432.91
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	10,958.52	432.91
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	11,531.81	432.91
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	15,367.37	432.91
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	18,636.65	432.91
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	7,401.65	487.03
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	7,512.57	487.03
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	7,553.44	487.03
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	9,211.43	487.03
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	9,631.77	487.03
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	9,871.12	487.03
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	11,260.57	487.03
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	11,394.84	487.03
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	11,785.99	487.03
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	15,580.69	487.03
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	18,779.91	487.03
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	8,274.65	541.14
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	8,438.11	541.14
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	9,710.80	541.14
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	10,142.81	541.14
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	10,352.98	541.14
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	11,777.45	541.14
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	11,929.24	541.14
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	13,803.23	541.14
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	15,945.78	541.14
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	19,191.71	541.14
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	9,209.18	649.37
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	9,436.86	649.37
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	10,306.73	649.37
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	10,738.74	649.37
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	10,966.42	649.37
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	12,279.97	649.37
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	12,414.24	649.37
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	14,621.01	649.37
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	17,394.06	649.37
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	19,694.23	649.37

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	941.52	189.40
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	977.72	189.40
22 33 33 00-0082	EA	Up To 6 KW, 15 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-15S)	1,068.03	216.46
22 33 33 00-0083	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,112.39	216.46
22 33 33 00-0084	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	1,895.85	216.46
22 33 33 00-0085	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	2,126.68	270.57
22 33 33 00-0086	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	2,406.55	324.69
22 33 33 00-0087	EA	Up To 12 KW, 30 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-30D)	1,913.01	270.57



Plumbing	22	22
Plumbing Equipment	22 30	
Electric Domestic Water Heaters	22 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0088 EA Up To 12 KW, 40 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-40D).....	2,053.12	270.57
22 33 33 00-0089 EA Up To 12 KW, 50 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-50D).....	2,342.33	324.69
22 33 33 00-0090 EA Up To 12 KW, 66 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-66D).....	2,792.32	432.91
22 33 33 00-0091 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	3,110.72	487.03
22 33 33 00-0092 EA Up To 12 KW, 119 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-120D).....	4,287.75	649.37
22 33 33 00-0093 Removal And Reinstallation Of Water Heater (22 33 33)		
Note: Includes storage and cleaning.		
22 33 33 00-0094 EA Remove And Reinstall Water Heater Electric, Up To 82 Gallon	360.77	
22 33 33 00-0095 EA Remove And Reinstall Water Heater Electric, 83 Gallon To 200 Gallon.....	1,082.29	
22 34 Fuel-Fired Domestic Water Heaters (22 30)		
22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)		
22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,167.25	216.46
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,249.61	219.16
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	1,358.35	224.58
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	1,557.88	229.99
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	1,859.20	243.51
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	1,894.17	243.51
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,244.19	216.46
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	1,859.20	243.51
22 34 30 Residential Gas Domestic Water Heaters (22 34)		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater.....	916.18	208.35
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater.....	908.14	213.75
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,148.75	219.16
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,231.79	224.58
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,331.36	229.99
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater.....	1,881.34	243.51
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater.....	1,523.86	213.75
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater.....	1,714.91	219.16
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater.....	2,175.62	224.58
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater.....	1,402.14	213.75
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater.....	1,457.36	219.16
22 34 36 Commercial Gas Domestic Water Heaters (22 34)		
22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36)		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,879.47	324.69
22 34 36 00-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	6,130.88	378.80
22 34 36 00-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,417.87	432.91
22 34 36 00-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	6,440.86	432.91
22 34 36 00-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,584.32	432.91
22 34 36 00-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	8,136.74	476.21

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	7,296.26	487.03
22 34 36 00-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,773.06	535.73
22 34 36 00-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,916.93	487.03
22 34 36 00-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,399.36	535.73
22 34 36 00-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	7,701.81	595.26
22 34 36 00-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	9,235.32	654.79
22 34 36 00-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,828.82	595.26
22 34 36 00-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	9,286.36	654.79
22 34 36 00-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	8,753.09	649.37
22 34 36 00-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	10,245.24	714.31
22 34 36 00-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	10,494.69	649.37
22 34 36 00-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	12,118.92	714.31
22 34 36 00-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,752.42	703.48
22 34 36 00-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,861.32	378.80
22 34 36 00-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,040.60	416.68
22 34 36 00-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,113.25	432.91
22 34 36 00-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,343.58	476.21
22 34 36 00-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200	1,029.62	270.57
22 34 36 00-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500	1,181.35	270.57

22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0028 EA 80 MBH Input, 74 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-80)	3,149.47	324.69
22 34 36 00-0029 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,609.27	324.69
22 34 36 00-0030 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,270.30	324.69
22 34 36 00-0031 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,464.81	378.80
22 34 36 00-0032 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,739.73	432.91
22 34 36 00-0033 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,779.96	432.91
22 34 36 00-0034 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	6,929.40	432.91
22 34 36 00-0035 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	8,130.99	476.21
22 34 36 00-0036 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,658.35	487.03
22 34 36 00-0037 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,393.79	535.73
22 34 36 00-0038 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	8,075.97	595.26
22 34 36 00-0039 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,850.31	654.79
22 34 36 00-0040 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	8,251.84	595.26
22 34 36 00-0041 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	9,953.76	654.79
22 34 36 00-0042 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	9,258.98	649.37
22 34 36 00-0043 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,829.18	714.31
22 34 36 00-0044 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	11,190.14	649.37
22 34 36 00-0045 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,802.87	714.31

22 34 36 00-0046 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0047 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,879.34	324.69
22 34 36 00-0048 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,867.91	324.69
22 34 36 00-0049 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	5,368.01	324.69
22 34 36 00-0050 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,766.37	357.16
22 34 36 00-0051 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	7,183.25	378.80
22 34 36 00-0052 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,741.86	416.68
22 34 36 00-0053 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,444.37	432.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0054 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	9,027.60	476.21
22 34 36 00-0055 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,417.03	487.03
22 34 36 00-0056 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,916.81	535.73
22 34 36 00-0057 EA 300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	12,453.92	654.79
22 34 36 00-0058 EA 399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	14,256.99	714.31
22 34 36 00-0059 EA 499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	16,399.15	773.84
22 34 36 00-0060 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36)		
22 34 36 00-0061 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	26,298.22	1,249.67
22 34 36 00-0062 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,904.06	1,381.22
22 34 36 00-0063 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	40,011.83	1,446.99
22 34 36 00-0064 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	43,344.31	1,578.54
22 34 36 00-0065 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36)		
22 34 36 00-0066 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	23,410.73	1,249.67
22 34 36 00-0067 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	25,863.16	1,381.22
22 34 36 00-0068 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	28,234.44	1,446.99
22 34 36 00-0069 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	30,680.24	1,578.54
22 34 36 00-0070 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36)		
22 34 36 00-0071 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,182.99	591.95
22 34 36 00-0072 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,806.31	657.72
22 34 36 00-0073 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,004.37	789.27
22 34 36 00-0074 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,104.14	822.15
22 34 36 00-0075 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	12,284.81	986.59
22 34 36 00-0076 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,129.77	1,183.90
22 34 36 00-0077 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,137.77	1,249.67
22 34 36 00-0078 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	18,972.68	1,348.34
22 34 36 00-0079 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,673.70	1,414.10
22 34 36 00-0080 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	22,143.67	1,446.99
22 34 36 00-0081 Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36)		
22 34 36 00-0082 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	19,623.32	986.59
22 34 36 00-0083 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	21,665.53	1,183.90
22 34 36 00-0084 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	28,827.67	1,348.34
22 34 36 00-0085 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	29,713.78	1,414.10
22 34 36 00-0086 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific)	31,084.38	1,446.99
22 34 36 00-0087 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36)		
22 34 36 00-0088 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	24,851.15	1,183.90
22 34 36 00-0089 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	30,009.16	1,348.34
22 34 36 00-0090 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	31,856.21	1,446.99
22 34 36 00-0091 Laars Mighty Therm Volume Water Heater (22 34 36)		
22 34 36 00-0092 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,558.50	797.24
22 34 36 00-0093 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	7,140.63	896.90
22 34 36 00-0094 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	8,313.30	1,096.21
22 34 36 00-0095 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	11,800.23	1,195.86
22 34 36 00-0096 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	13,041.26	1,395.17
22 34 36 00-0097 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	14,916.47	1,594.48
22 34 36 00-0098 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	16,503.50	1,793.79
22 34 36 00-0099 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	19,612.36	1,993.10
22 34 36 00-0100 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	20,370.12	2,092.75
22 34 36 00-0101 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	21,811.49	2,192.41

22	Plumbing
22 30	Plumbing Equipment
22 34	Fuel-Fired Domestic Water Heaters



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 34 36 00-0102	Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package <small>(22 34 36)</small>		
	Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0103	EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	48,638.23	1,291.60
22 34 36 00-0104	EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	58,674.49	1,372.32
22 34 36 00-0105	EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	71,141.22	1,453.04
22 34 36 00-0106	EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	84,902.61	1,533.76
22 34 36 00-0107	EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	88,996.76	1,614.49

22 34 36 00-0108	Removal And Reinstallation Of Water Heater <small>(22 34 36)</small>		
	Note: Includes storage and cleaning.		
22 34 36 00-0109	EA Remove And Reinstall Water Heater Gas Fired, Up To 86 Gallon	491.95	
22 34 36 00-0110	EA Remove And Reinstall Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,300.83	

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 00-0001	Oil-Fired Domestic Water Heaters (Bock) <small>(22 34 46)</small>		
	Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002	EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,760.09	208.35
22 34 46 00-0003	EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,736.50	208.35
22 34 46 00-0004	EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,855.18	208.35
22 34 46 00-0005	EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,913.48	213.75
22 34 46 00-0006	EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,390.06	219.16
22 34 46 00-0007	EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	2,057.21	219.16

22 34 46 00-0008	Oil Fired Commercial Water Heaters <small>(22 34 46)</small>		
	Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0009	EA 173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E).....	2,852.14	324.69
22 34 46 00-0010	EA 199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E).....	3,184.28	324.69
22 34 46 00-0011	EA 242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E).....	3,364.67	324.69
22 34 46 00-0012	EA 190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,843.85	432.91
22 34 46 00-0013	EA 277 MBH, 109 Gallon, Oil-Fired Commercial Water Heater (Bock 241E).....	5,573.95	487.03
22 34 46 00-0014	EA 415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	6,641.06	541.14
22 34 46 00-0015	EA 623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	8,353.78	595.26

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water heat Exchangers (22 35)

22 35 23 00-0001	Steam Driven Water Heaters <small>(22 35 23)</small>		
22 35 23 00-0002	Constant Flow <small>(22 35 23 00-0001)</small>		
22 35 23 00-0003	EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,501.26	541.14
22 35 23 00-0004	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,613.91	663.12
22 35 23 00-0005	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	7,204.79	867.24
22 35 23 00-0006	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	9,771.23	1,207.94
22 35 23 00-0007	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	14,550.09	1,989.47
22 35 23 00-0008	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	15,912.28	2,254.73
22 35 23 00-0009	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	20,653.38	2,601.61
22 35 23 00-0010	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	24,815.11	3,074.68

22 35 23 00-0011	Variable Flow <small>(22 35 23 00-0001)</small>		
22 35 23 00-0012	EA 30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,934.07	1,055.24
22 35 23 00-0013	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	7,917.87	1,288.47
22 35 23 00-0014	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	10,114.67	1,666.08
22 35 23 00-0015	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	13,353.53	2,324.55
22 35 23 00-0016	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	20,194.26	3,887.59
22 35 23 00-0017	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	24,289.69	4,281.22
22 35 23 00-0018	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	28,169.48	5,010.58
22 35 23 00-0019	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	35,443.00	5,986.15

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, And Trim (22 41)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0001 Kitchen Faucets <small>(22 41 39)</small>		
22 41 39 00-0002 EA Chrome Single Handle Kitchen Faucet (Delta 100WF).....	141.82	49.81
22 41 39 00-0003 EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400WF)	159.14	49.81
22 41 39 00-0004 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300WF)	159.14	49.81
22 41 39 00-0005 EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102-LHP+H215)	154.35	49.81
22 41 39 00-0006 EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402-LHP+H215)	163.66	49.81
22 41 39 00-0007 Lavatory Faucets <small>(22 41 39)</small>		
22 41 39 00-0008 EA Chrome Single Acrylic Handle Bath Faucet (Delta 502WF).....	123.69	35.86
<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009 EA Chrome Single Lever Handle Bath Faucet (Delta 500WF)	123.69	35.86
<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010 EA Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502)	98.24	35.86
<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	
22 41 39 00-0011 Bath And Shower Faucets <small>(22 41 39)</small>		
22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	151.26	43.23
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	181.20	43.23
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower Only, Ceramic Valving (American Standard 3275.301)	137.00	43.23
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3275.302)	151.96	43.23
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3375.302).....	164.98	43.23
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0017 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	172.56	27.06
22 41 39 00-0018 Laundry Faucets <small>(22 41 39)</small>		
22 41 39 00-0019 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123).....	108.84	31.82
22 41 39 00-0020 Laundry/Wash Basin Faucets <small>(22 41 39)</small>		
22 41 39 00-0021 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121)	109.55	31.82
22 41 39 00-0022 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121+RP25695)	149.32	35.07
22 41 39 00-0023 Other Faucets <small>(22 41 39)</small>		
22 41 39 00-0024 EA Sillcock, Compact, Brass, IPS Or Copper To Hose	25.93	8.12
22 42 Commercial Plumbing Fixtures <small>(22 40)</small>		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13 Commercial Water Closets, Urinals, And Bidets <small>(22 42)</small>		
22 42 13 00-0001 Vitreous China Water Closets <small>(22 42 13)</small>		
Note: With a 2" ball pass.		
22 42 13 00-0002 Floor Mounted Elongated Vitreous China Water Closets <small>(22 42 13 00-0001)</small>		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	580.44	103.60
22 42 13 00-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Neolo®).....	742.65	103.60
22 42 13 00-0005 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	574.46	103.60
22 42 13 00-0006 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	696.11	103.60
22 42 13 00-0007 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	906.85	103.60
22 42 13 00-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	809.13	103.60
22 42 13 00-0009 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	614.56	103.60
22 42 13 00-0010 Wall Hung Elongated Vitreous China Water Closets <small>(22 42 13 00-0001)</small>		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0011 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	676.89	127.51

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit)	843.75	127.51
22 42 13 00-0013 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,072.43	127.51
22 42 13 00-0014 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	752.46	127.51
22 42 13 00-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	633.39	127.51
22 42 13 00-0016 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2059-A)	665.64	127.51
22 42 13 00-0017 Floor Mounted Elongated Handicapped Water Closets (22 42 13 00-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0018 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	588.76	103.60
22 42 13 00-0019 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	603.38	103.60
22 42 13 00-0020 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	667.87	103.60
22 42 13 00-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	747.64	103.60
22 42 13 00-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	744.32	103.60
22 42 13 00-0023 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	998.93	103.60
22 42 13 00-0024 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	839.38	103.60
22 42 13 00-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	654.45	103.60
22 42 13 00-0026 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	620.89	103.60
22 42 13 00-0027 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 00-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 00-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	620.92	103.60
22 42 13 00-0029 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	596.06	103.60
22 42 13 00-0030 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	699.78	103.60
22 42 13 00-0031 Water Closet Flush Valves (22 42 13 00-0001)		
22 42 13 00-0032 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115)	177.07	33.96
22 42 13 00-0033 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	190.54	33.96
22 42 13 00-0034 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	216.48	33.96
22 42 13 00-0035 EA Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140)	297.34	33.96
22 42 13 00-0036 EA Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	326.59	33.96
22 42 13 00-0037 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	566.76	33.96
22 42 13 00-0038 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	576.75	33.96
22 42 13 00-0039 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	606.26	33.96
22 42 13 00-0040 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	566.64	33.96
22 42 13 00-0041 EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	267.50	19.92
Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 13 00-0042 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	491.55	33.96
22 42 13 00-0043 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	285.14	33.96
22 42 13 00-0044 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	253.51	33.96
22 42 13 00-0045 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	246.19	29.88
22 42 13 00-0046 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	266.07	29.88
22 42 13 00-0047 EA Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN)	574.39	33.96
22 42 13 00-0048 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	625.82	33.96
22 42 13 00-0049 EA Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)	795.32	33.96
22 42 13 00-0050 EA Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32)	795.32	33.96
22 42 13 00-0051 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	523.39	33.96
22 42 13 00-0052 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	519.06	33.96
22 42 13 00-0053 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	257.42	29.88
22 42 13 00-0054 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	80.61	5.02
22 42 13 00-0055 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	534.63	33.96
22 42 13 00-0056 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	208.39	33.96
22 42 13 00-0057 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	541.75	33.96
22 42 13 00-0058 Vitreous China Urinals (22 42 13) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 00-0059 Wall Hung Urinals (22 42 13 00-0058)		



Plumbing	22
Plumbing Fixtures	22 40
Commercial Plumbing Fixtures	22 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0060	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™).....	555.52	106.59
22 42 13 00-0061	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™).....	576.79	106.59
22 42 13 00-0062	EA		Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	677.84	106.59
22 42 13 00-0063	EA		Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™).....	740.99	106.59
22 42 13 00-0064	EA		Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™).....	675.84	106.59
22 42 13 00-0065	EA		Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™).....	572.57	106.59
22 42 13 00-0066	EA		Blowout, Wall Hung, Vitreous China Urinal (American Standard Jetbrook™).....	671.85	106.59
22 42 13 00-0067	EA		Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	693.82	106.59
22 42 13 00-0068	EA		Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	594.96	106.59
22 42 13 00-0069	EA		Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798).....	642.99	106.59
22 42 13 00-0070	EA		0.125 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1000-A).....	585.80	106.59
22 42 13 00-0071	EA		0.25 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1002-A).....	585.80	106.59
22 42 13 00-0072	EA		0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1005-A).....	585.80	106.59
22 42 13 00-0073	EA		1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A).....	585.80	106.59
22 42 13 00-0074			Floor Mounted Urinals (22 42 13 00-0058)		
22 42 13 00-0075	EA		Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	911.51	134.48
22 42 13 00-0076			Urinal Flush Valves (22 42 13 00-0058)		
22 42 13 00-0077	EA		Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186)..... Note: 0.5, 1.0 or 1.5 GPF.	170.39	33.96
22 42 13 00-0078	EA		Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	170.39	33.96
22 42 13 00-0079	EA		Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	231.48	33.96
22 42 13 00-0080	EA		Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	306.73	33.96
22 42 13 00-0081	EA		Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	466.16	33.96
22 42 13 00-0082	EA		Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	618.43	33.96
22 42 13 00-0083	EA		Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	661.58	33.96
22 42 13 00-0084	EA		Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	441.75	33.96
22 42 13 00-0085	EA		Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN)..... Note: 0.5 GPF.	574.39	33.96
22 42 13 00-0086	EA		Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	622.50	33.96
22 42 13 00-0087	EA		Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21)..... Note: 0.5 GPF.	969.79	33.96
22 42 13 00-0088	EA		Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13)..... Note: 0.13 GPF.	484.83	33.96
22 42 13 00-0089	EA		Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF)..... Note: 0.125 GPF.	199.51	33.96
22 42 13 00-0090	EA		Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZEG6003EV)..... Note: 0.125 GPF.	524.10	33.96
22 42 13 00-0091	EA		Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS)..... Note: 0.125 GPF.	515.02	33.96
22 42 13 00-0092			Enameled Cast Iron Trough Type Urinals (22 42 13 00-0058)		
			Note: Includes strainer, p-trap, washdown pipe and trim.		
22 42 13 00-0093	EA		36" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	2,298.67	135.48
22 42 13 00-0094	EA		48" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	2,577.44	135.48
22 42 13 00-0095	EA		60" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	3,010.37	157.91
22 42 13 00-0096	EA		72" Long, Enameled Cast Iron Trough Type Urinal (Kohler® Jarves®).....	3,355.80	157.91
22 42 13 00-0097			Waterfree Urinals (22 42 13 00-0058)		
22 42 13 00-0098	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free).....	522.93	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-31.22	
22 42 13 00-0099	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free).....	585.42	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-38.35	
22 42 13 00-0100	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	616.67	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-41.91	
22 42 13 00-0101	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000).....	685.46	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-49.75	
22 42 13 00-0102	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	637.50	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-44.28	
22 42 13 00-0103	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	516.12	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-30.45	
22 42 13 00-0104	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	516.12	74.72
			For Colored Fixtures, Add	66.90	
			For >1, Deduct	-30.45	

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0105 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	611.46	74.72
For Colored Fixtures, Add	66.90	
For >1, Deduct	-41.32	
22 42 13 00-0106 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	866.37	74.72
For >1, Deduct	-70.38	
22 42 13 00-0107 Removal And Reinstallation Of Fixtures And Trim (22 42 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 00-0108 EA Remove And Reinstall Wall Hung Water Closet With Tank	458.71	
22 42 13 00-0109 EA Remove And Reinstall Wall Hung Water Closet With Flush Valve.....	458.71	
22 42 13 00-0110 EA Remove And Reinstall Floor Mount Water Closet With Tank.....	353.56	
22 42 13 00-0111 EA Remove And Reinstall Floor Mount Water Closet With Flush Valve.....	353.56	
22 42 13 00-0112 EA Remove And Reinstall Wall Hung Urinal With Flush Valve.....	466.07	
22 42 13 00-0113 Stainless Steel Water Closets (22 42 13)		
22 42 13 00-0114 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	2,615.25	224.14
22 42 13 00-0115 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,749.55	224.14
22 42 13 00-0116 Stainless Steel Urinals (22 42 13)		
22 42 13 00-0117 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,690.79	224.14
22 42 13 00-0118 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	3,480.16	273.94
22 42 13 00-0119 Fixture Carriers (22 42 13)		
22 42 13 00-0120 Water Closet Carriers (22 42 13 00-0119)		
22 42 13 00-0121 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 00-0120)		
Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 00-0122 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	404.07	52.60
22 42 13 00-0123 No-Hub, Water Closet Carriers (22 42 13 00-0120)		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 00-0124 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier	594.92	52.60
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.82	
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Auxiliary Inlet, Add	143.04	
For Special Duty 500 LB Carrier, Add	222.31	
22 42 13 00-0125 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier	594.92	52.60
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.82	
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Auxiliary Inlet, Add	143.04	
For Special Duty 500 LB Carrier, Add	222.31	
22 42 13 00-0126 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	644.56	52.60
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.82	
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Auxiliary Inlet, Add	143.04	
For Horizontal No Hub Cast Long Barrel, Add	141.08	
For Carrier For Wide Chase Installations, Add	195.32	
For Special Duty 1,000 LB Carrier, Add	222.32	
22 42 13 00-0127 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	708.18	52.60
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.82	
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For 4" Branch, Add	109.62	
For Auxiliary Inlet, Add	143.04	
For Carrier For Wide Chase Installations, Add	195.32	
For Double 4" Branches, Add	219.94	
For Special Duty 1,000 LB Carrier, Add	222.32	
22 42 13 00-0128 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	979.33	77.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-93.67	
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For Auxiliary Inlet, Add	157.98	
For Special Duty 500 LB Carrier, Add	444.62	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 00-0129 EA Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,004.50	77.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-93.67	
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For Auxiliary Inlet, Add	157.98	
For Special Duty 500 LB Carrier, Add	444.62	
22 42 13 00-0130 EA Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,205.14	77.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-93.67	
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For 4" Branch, Add	117.09	
For Auxiliary Inlet, Add	157.98	
For Double 4" Branches, Add	234.88	
For Carrier For Wide Chase Installations, Add	435.48	
For Special Duty 1,000 LB Carrier, Add	444.63	
22 42 13 00-0131 EA Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,139.42	77.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-93.67	
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For Horizontal No Hub Cast Long Barrel, Add	148.55	
For Carrier For Wide Chase Installations, Add	435.48	
For Special Duty 1,000 LB Carrier, Add	444.63	
22 42 13 00-0132 Hub And Spigot, Water Closet Carriers <small>(22 42 13 00-0120)</small>		
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 00-0133 EA Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	594.92	52.60
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Hanger Type Closet Adapter, Add	99.97	
For Auxiliary Inlet, Add	143.04	
22 42 13 00-0134 EA Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	594.92	52.60
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Auxiliary Inlet, Add	143.04	
For Special Duty 500 LB Carrier, Add	222.31	
22 42 13 00-0135 EA Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	731.94	52.60
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.82	
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For 4" Branch, Add	109.62	
For Auxiliary Inlet, Add	143.04	
For Carrier For Wide Chase Installations, Add	195.32	
For Double 4" Branches, Add	219.94	
For Special Duty 1,000 LB Carrier, Add	222.32	
22 42 13 00-0136 EA Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	979.33	77.20
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For Auxiliary Inlet, Add	157.98	
For Hanger Type Closet Adapter, Add	199.94	
22 42 13 00-0137 EA Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,228.91	77.20
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-93.67	
For Positioning Frame, Add	73.75	
For Supply Pipe Support, Add	75.15	
For Vandal Proof Trim, Add	79.71	
For 4" Branch, Add	117.09	
For Auxiliary Inlet, Add	157.98	
For Double 4" Branches, Add	234.88	
For Carrier For Wide Chase Installations, Add	435.48	
For Special Duty 1,000 LB Carrier, Add	444.63	
22 42 13 00-0138 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers <small>(22 42 13 00-0120)</small>		
Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 00-0139 EA Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	472.58	52.60
For Positioning Frame, Add	33.14	
For Supply Pipe Support, Add	33.84	
For Vandal Proof Trim, Add	39.85	
For Hanger Type Closet Adapter, Add	99.97	
22 42 13 00-0140 Institutional Water Closet Carriers <small>(22 42 13 00-0120)</small>		
Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42	13 00-0141	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	1,553.30	77.20
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-93.67	
			<i>For Positioning Frame, Add</i>	73.75	
			<i>For Supply Pipe Support, Add</i>	75.15	
			<i>For Vandal Proof Trim, Add</i>	79.71	
			<i>For Auxiliary Inlet, Add</i>	157.98	
22 42	13 00-0142		Urinal Carriers (22 42 13 00-0119)		
22 42	13 00-0143		Floor Mounted, Urinal Carriers (22 42 13 00-0142)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42	13 00-0144	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	344.17	37.86
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.68	
22 42	13 00-0145	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier.....	370.73	37.86
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	14.68	
22 42	13 00-0146		Wall Mounted, Urinal Carriers (22 42 13 00-0142)		
			Note: Includes wall plate and adjustable supporting rods.		
22 42	13 00-0147	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	178.48	37.86
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	14.68	
22 42 16			Commercial Lavatories And Sinks (22 42)		
22 42	16 00-0001		Lavatories (22 42 16)		
			Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42	16 00-0002		Wall Hung Lavatories (22 42 16 00-0001)		
22 42	16 00-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	511.44	66.74
22 42	16 00-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	534.05	66.74
22 42	16 00-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™).....	676.76	66.74
22 42	16 00-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	470.23	66.74
22 42	16 00-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	407.07	66.74
22 42	16 00-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	480.86	66.74
22 42	16 00-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®).....	511.07	66.74
22 42	16 00-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	425.69	66.74
22 42	16 00-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	599.86	66.74
22 42	16 00-0012		Countertop Lavatories (22 42 16 00-0001)		
22 42	16 00-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington® K-2196-1L).....	469.29	80.69
22 42	16 00-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval).....	477.39	80.69
22 42	16 00-0015	EA	19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™).....	446.14	80.69
22 42	16 00-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	500.03	80.69
22 42	16 00-0017	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	524.04	80.69
22 42	16 00-0018	EA	22" x 19" Enameled Cast Iron Countertop Lavatory (Kohler® Providence®).....	638.97	87.16
22 42	16 00-0019	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	663.67	87.16
22 42	16 00-0020		Undercounter Lavatories (22 42 16 00-0001)		
22 42	16 00-0021	EA	15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	480.88	80.69
22 42	16 00-0022	EA	17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	450.97	80.69
22 42	16 00-0023	EA	19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	450.97	80.69
22 42	16 00-0024	EA	21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™).....	487.29	80.69
22 42	16 00-0025	EA	15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	463.84	80.69
22 42	16 00-0026	EA	17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	458.33	80.69
22 42	16 00-0027	EA	19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®).....	463.94	80.69
22 42	16 00-0028	EA	21" x 17" Oval Vitreous China Undercounter Lavatory (Crane Tiara™).....	447.04	80.69
22 42	16 00-0029	EA	18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	587.80	80.69
22 42	16 00-0030	EA	21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®).....	587.80	80.69
22 42	16 00-0031		Pedestal Lavatories (22 42 16 00-0001)		
22 42	16 00-0032	EA	19" x 21" x 34" High Vitreous China Pedestal Sink (American Standard Colony™).....	520.93	191.76
22 42	16 00-0033		Pre-Molded Culture Marble Lavatory Vanity (22 42 16 00-0001)		
			Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42	16 00-0034	EA	17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory.....	224.24	62.26
			<i>For Colored Fixtures, Add</i>	28.92	
22 42	16 00-0035	EA	18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory.....	272.03	74.72
			<i>For Colored Fixtures, Add</i>	35.57	
22 42	16 00-0036	EA	18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory.....	296.89	79.69
			<i>For Colored Fixtures, Add</i>	39.89	
22 42	16 00-0037	EA	18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory.....	318.32	84.67
			<i>For Colored Fixtures, Add</i>	43.21	
22 42	16 00-0038	EA	19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	277.77	74.72
			<i>For Colored Fixtures, Add</i>	37.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0039 EA 19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	300.31 40.88	79.69
22 42 16 00-0040 EA 19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	320.60 43.88	84.67
22 42 16 00-0041 EA 19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	354.23 52.19	87.16
22 42 16 00-0042 EA 19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	382.17 58.84	89.66
22 42 16 00-0043 EA 22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	300.69 43.88	74.72
22 42 16 00-0044 EA 22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	339.28 52.19	79.69
22 42 16 00-0045 EA 22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	360.72 55.51	84.67
22 42 16 00-0046 EA 22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	384.03 60.83	87.16
22 42 16 00-0047 EA 22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	405.09 65.48	89.66
22 42 16 00-0048 EA 22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	433.38 70.80	94.63
22 42 16 00-0049 Stainless Steel Lavatories (22 42 16 00-0001)		
22 42 16 00-0050 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,379.11	174.33
22 42 16 00-0051 Solid Surface Multi-Station Lavatory Systems (22 42 16 00-0001)		
Note: ADA compliant. Includes integral faucets.		
22 42 16 00-0052 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,576.73 171.00 563.00	134.59
<i>For Integral Liquid Soap Dispenser, Add</i>		
<i>For Integral Photovoltaic Power Panels, Add</i>		
22 42 16 00-0053 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,200.92 171.00 657.00	134.59
<i>For Integral Liquid Soap Dispenser, Add</i>		
<i>For Integral Photovoltaic Power Panels, Add</i>		
22 42 16 00-0054 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	264.65	44.87
22 42 16 00-0055 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	319.96	44.87
22 42 16 00-0056 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	601.64	44.87
22 42 16 00-0057 Sinks (22 42 16)		
Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 00-0058 Kitchen Sinks (22 42 16 00-0057)		
22 42 16 00-0059 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	585.92	93.64
22 42 16 00-0060 EA 22" x 33" x 8-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	687.86	106.59
22 42 16 00-0061 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	710.66	91.65
<i>For 18 Gauge, Add</i>		
22 42 16 00-0062 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	729.40 177.92	91.65
<i>For 18 Gauge, Add</i>		
22 42 16 00-0063 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	771.58 199.01	91.65
<i>For 18 Gauge, Add</i>		
22 42 16 00-0064 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	811.64 213.07	93.64
<i>For 18 Gauge, Add</i>		
22 42 16 00-0065 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,034.01 305.24	106.59
<i>For 18 Gauge, Add</i>		
22 42 16 00-0066 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,056.68 316.40	106.59
<i>For 18 Gauge, Add</i>		
22 42 16 00-0067 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,355.84	106.59
22 42 16 00-0068 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,014.50	91.65
22 42 16 00-0069 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,035.59	91.65
22 42 16 00-0070 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,088.71	91.65
22 42 16 00-0071 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,162.35	93.64
22 42 16 00-0072 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,415.97	106.59
22 42 16 00-0073 Undermount Kitchen Sinks (22 42 16 00-0057)		
22 42 16 00-0074 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	968.44	91.65
22 42 16 00-0075 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	966.16	91.65
22 42 16 00-0076 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	976.25	91.65
22 42 16 00-0077 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,029.37	91.65
22 42 16 00-0078 Multi-Station Wash Sink, Wall Mounted (22 42 16 00-0057)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 00-0079 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,828.89	161.88
Note: Excludes faucets.		

22	Plumbing
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0080 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,434.40	174.33
Note: Excludes faucets.		
22 42 16 00-0081 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,795.68	186.77
Note: Excludes faucets.		
22 42 16 00-0082 EA 72" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	3,054.21	199.23
Note: Excludes faucets.		
22 42 16 00-0083 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	1,971.22	124.52
Note: Excludes faucets.		
22 42 16 00-0084 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,188.21	136.97
Note: Excludes faucets.		
22 42 16 00-0085 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,401.00	149.42
Note: Excludes faucets.		
22 42 16 00-0086 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,665.97	168.10
Note: Excludes faucets.		
22 42 16 00-0087 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,558.75	273.94
Note: Includes sensor operated spray heads.		
22 42 16 00-0088 Laundry Sinks (22 42 16 00-0057)		
22 42 16 00-0089 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	537.28	106.59
22 42 16 00-0090 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	632.34	106.59
22 42 16 00-0091 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	535.43	106.59
22 42 16 00-0092 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	871.41	106.59
22 42 16 00-0093 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,276.76	119.54
22 42 16 00-0094 Refinish Sink/Lavatory (22 42 16 00-0057)		
22 42 16 00-0095 EA Refinish Sink/Lavatory	228.66	
22 42 16 00-0096 Service Sinks (22 42 16 00-0057)		
22 42 16 00-0097 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	901.49	160.38
22 42 16 00-0098 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	953.35	160.38
22 42 16 00-0099 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,244.94	212.18
22 42 16 00-0100 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zum FD2377-PO3-F).....	458.04	149.42
22 42 16 00-0101 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	607.30	149.42
22 42 16 00-0102 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	671.74	179.30
22 42 16 00-0103 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	559.87	149.42
22 42 16 00-0104 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	637.71	179.30
22 42 16 00-0105 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	628.23	149.42
22 42 16 00-0106 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	770.97	179.30
22 42 16 00-0107 Stainless Steel Sink And Drainboard (22 42 16 00-0057)		
22 42 16 00-0108 EA 24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,707.32	249.04
22 42 16 00-0109 Fixture Carriers (22 42 16)		
22 42 16 00-0110 Lavatory Carriers (22 42 16 00-0109)		
22 42 16 00-0111 Floor Mounted, Lavatory Carriers (22 42 16 00-0110)		
22 42 16 00-0112 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 00-0111)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 00-0113 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	344.17	37.86
For Up To 4" Extension Sleeves And Hardware, Add	14.68	
For Valve Plate For Attaching To Upright, Add	56.30	
For Corner Carrier, Add	109.80	
22 42 16 00-0114 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	370.73	37.86
For Up To 4" Extension Sleeves And Hardware, Add	14.68	
For Valve Plate For Attaching To Upright, Add	56.30	
22 42 16 00-0115 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	417.57	37.86
For Up To 4" Extension Sleeves And Hardware, Add	29.36	
For Valve Plate For Attaching To Upright, Add	112.59	
22 42 16 00-0116 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	471.40	37.86
For Up To 4" Extension Sleeves And Hardware, Add	29.36	
For Valve Plate For Attaching To Upright, Add	112.59	
22 42 16 00-0117 Floor Mounted, Lavatory Carriers With Arms (22 42 16 00-0111)		
Note: Includes leveling and securing screws, structural uprights and welded feet.		



Plumbing	22
Plumbing Fixtures	22 40
Commercial Plumbing Fixtures	22 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0118 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	437.48	44.82
For Up To 6-1/2" Extension Sleeves And Hardware, Add	14.68	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	20.28	
For Valve Plate For Attaching To Upright, Add	58.29	
For 2" Chrome Plated Escutcheons, Add	49.64	
For 4" Or 6" Chrome Plated Escutcheons, Add	90.18	
22 42 16 00-0119 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	566.12	44.82
For Up To 4-1/2" Extension Sleeves And Hardware, Add	14.68	
For Vandal Proof Trim, Add	39.85	
For Valve Plate For Attaching To Upright, Add	58.29	
For Heavy Duty Carrier, Add	51.03	
22 42 16 00-0120 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	565.41	44.82
For Up To 6-1/2" Extension Sleeves And Hardware, Add	29.36	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	40.55	
For Valve Plate For Attaching To Upright, Add	116.57	
For 2" Chrome Plated Escutcheons, Add	99.27	
For 4" Or 6" Chrome Plated Escutcheons, Add	180.37	
22 42 16 00-0121 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	811.50	44.82
For Up To 4-1/2" Extension Sleeves And Hardware, Add	29.36	
For Vandal Proof Trim, Add	79.71	
For Valve Plate For Attaching To Upright, Add	116.57	
For Heavy Duty Carrier, Add	102.06	
22 42 16 00-0122 Wall Mounted, Lavatory Carriers (22 42 16 00-0110)		
22 42 16 00-0123 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 00-0122)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 16 00-0124 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier	178.48	37.86
For Double Plate Carrier, Add	46.69	
22 42 16 00-0125 Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 00-0122)		
Note: Includes wall plate and leveling and securing screws.		
22 42 16 00-0126 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	274.59	44.82
For Up To 4" Extension Sleeves And Hardware, Add	14.68	
For 2" Chrome Plated Escutcheons, Add	49.64	
22 42 16 00-0127 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	313.74	44.82
For Movable Mounting Brackets, Deduct	-37.75	
For Up To 4" Extension Sleeves And Hardware, Add	14.68	
For 2" Chrome Plated Escutcheons, Add	49.64	
For 4" Or 6" Chrome Plated Escutcheons, Add	90.18	
22 42 16 00-0128 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	434.69	44.82
For Up To 4-1/2" Extension Sleeves And Hardware, Add	14.68	
For Vandal Proof Trim, Add	39.85	
22 42 16 00-0129 Sink Carriers (22 42 16 00-0109)		
22 42 16 00-0130 Floor Mounted, Sink Carriers (22 42 16 00-0129)		
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 00-0131 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	480.49	37.86
For Vandal Proof Trim, Add	39.85	
For Valve Plate For Attaching To Upright, Add	56.30	
22 42 16 00-0132 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2"		
Waste Fitting.....	720.28	37.86
For Vandal Proof Trim, Add	39.85	
For Auxiliary Vent, Add	122.72	
22 42 16 00-0133 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated		
Arms	890.87	37.86
For Up To 4" Extension Sleeves And Hardware, Add	30.06	
For Vandal Proof Trim, Add	39.85	
22 42 16 00-0134 Removal And Reinstallation Of Fixtures And Trim (22 42 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 00-0135 EA Remove And Reinstall Wall Hung Lavatory With Faucet	297.89	
22 42 16 00-0136 EA Remove And Reinstall Wall Hung Service Sink With Faucet.....	406.58	
22 42 19 Commercial Bathtubs (22 42)		
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,441.34	276.93
22 42 19 00-0004 EA 60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler Villager®).....	786.09	276.93
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,237.15	276.93
22 42 19 00-0006 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,446.47	276.93
22 42 19 00-0007 EA 66" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,857.13	276.93
22 42 19 00-0008 EA 66-1/4" x 32" x 16", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (American Standard Spectra™).....	1,593.25	276.93
22 42 19 00-0009 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0010	EA		46-1/2" x 27" x 15-1/2", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Huron™).....	773.57	276.93
22 42 19 00-0011	EA		54" x 30" x 15", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard Mackenzie™).....	761.60	276.93
22 42 19 00-0012	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	647.26	276.93
22 42 19 00-0013	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	661.88	276.93
22 42 19 00-0014			Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0015	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	949.73	276.93
22 42 19 00-0016			Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0017	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	977.39	276.93
22 42 19 00-0018	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,154.17	276.93
22 42 19 00-0019	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,177.00	276.93
22 42 19 00-0020	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,162.97	276.93
22 42 19 00-0021	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,213.45	276.93
22 42 19 00-0022			Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0023	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	500.67	
22 42 19 00-0024			Tub And Shower Combinations (22 42 19)		
22 42 19 00-0025			Acrylic Tub And Shower Combination (22 42 19 00-0024)		
22 42 19 00-0026	EA		3 Piece, 62" x 30-1/2" x 88" Domed Acrylic Tub And Shower (Crane Plumbing A 6031.21).....	1,349.33	96.90
			<i>For 2 Piece Enclosure, Deduct</i>	-289.31	
22 42 19 00-0027	EA		1 Piece, 59-7/8" x 34-1/2" x 79-5/8" Acrylic Tub And Shower (Aqua Glass 626036E).....	1,069.66	96.90
			<i>For 2 Piece Enclosure, Deduct</i>	-233.37	
22 42 19 00-0028			Fiberglass Tub And Shower Combination (22 42 19 00-0024)		
22 42 19 00-0029	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Lasco 2603-SG).....	791.09	96.90
22 42 19 00-0030	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Lasco 2603-2P).....	629.32	64.60
22 42 19 00-0031	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Lasco 26030-4P).....	1,254.72	146.25
22 42 19 00-0032	EA		3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	1,856.89	256.61
			<i>For 2 Piece Enclosure, Deduct</i>	-390.82	
22 42 23			Commercial Showers (22 42)		
22 42 23 00-0001			Shower Enclosures (22 42 23)		
			Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002			Stainless Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA		36" x 36" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening (Crane Plumbing, Fiat S86 Commander).....	2,887.27	160.68
22 42 23 00-0004	EA		36" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Walk Through (Crane Plumbing, Fiat S91 Commander).....	2,887.27	160.68
22 42 23 00-0005	EA		37" x 37" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Corner Opening (Crane Plumbing, Fiat S92 Commander).....	2,887.27	160.67
22 42 23 00-0006	EA		38" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening Corner (Crane Plumbing, Fiat S101 Commander).....	2,887.27	160.67
22 42 23 00-0007			Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA		39" x 39" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S115 Commander).....	3,392.58	160.67
22 42 23 00-0009	EA		39" x 48" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S125 Commander).....	4,410.08	160.67
22 42 23 00-0010	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	921.33	160.67
22 42 23 00-0011	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	921.33	160.67
22 42 23 00-0012	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,305.33	160.67
22 42 23 00-0013	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	1,419.33	160.67
22 42 23 00-0014			Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0015	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,407.33	160.67
22 42 23 00-0016	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,407.33	160.67
22 42 23 00-0017	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,947.33	160.67
22 42 23 00-0018	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,157.33	160.67
22 42 23 00-0019			1 Piece Shower Units (22 42 23)		
22 42 23 00-0020	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	710.39	96.90
22 42 23 00-0021	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	778.24	96.90
22 42 23 00-0022			Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0023			Acrylic Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0024	EA		36" x 36" Acrylic Shower Receptor.....	376.27	40.59
22 42 23 00-0025	EA		42" x 42" Acrylic Shower Receptor.....	396.36	40.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
22 42 23 00-0026	EA			48" x 48" Acrylic Shower Receptor.....	436.49	40.59	
22 42 23 00-0027	EA			60" x 60" Acrylic Shower Receptor.....	530.45	48.71	
22 42 23 00-0028	EA			48" x 32" Acrylic Shower Receptor.....	377.21	40.59	
22 42 23 00-0029	EA			48" x 36" Acrylic Shower Receptor.....	403.64	40.59	
22 42 23 00-0030	EA			48" x 42" Acrylic Shower Receptor.....	452.81	40.59	
22 42 23 00-0031	EA			60" x 30" Acrylic Shower Receptor.....	644.59	80.83	
22 42 23 00-0032	EA			60" x 32" Acrylic Shower Receptor.....	505.44	48.71	
22 42 23 00-0033	EA			60" x 36" Acrylic Shower Receptor.....	508.84	48.71	
22 42 23 00-0034	EA			60" x 42" Acrylic Shower Receptor.....	511.96	48.71	
22 42 23 00-0035	EA			60" x 48" Acrylic Shower Receptor.....	560.82	48.71	
22 42 23 00-0036	EA			37-1/2" x 37-1/2" Acrylic Corner Shower Receptor.....	537.36	40.59	
22 42 23 00-0037	EA			42" x 42" Acrylic Corner Shower Receptor.....	613.21	40.59	
22 42 23 00-0038	EA			47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	907.89	76.79	
22 42 23 00-0039				Molded Stone Shower Receptors (22 42 23 00-0022)			
22 42 23 00-0040	EA			32" x 32" Molded Stone Shower Receptor (Crane/Fiat 32WL).....	259.40	40.59	
22 42 23 00-0041	EA			34" x 34" Molded Stone Shower Receptor (Crane/Fiat 34WL).....	270.74	40.59	
22 42 23 00-0042	EA			36" x 36" Molded Stone Shower Receptor (Crane/Fiat 36WL).....	272.00	40.59	
22 42 23 00-0043	EA			42" x 42" Molded Stone Shower Receptor (Crane/Fiat 4242WL).....	328.07	40.59	
22 42 23 00-0044	EA			42" x 34" Molded Stone Shower Receptor (Crane/Fiat 42WL).....	294.05	40.59	
22 42 23 00-0045	EA			48" x 32" Molded Stone Shower Receptor (Crane/Fiat 4832WL).....	309.80	40.59	
22 42 23 00-0046	EA			48" x 34" Molded Stone Shower Receptor (Crane/Fiat 48WL).....	311.69	40.59	
22 42 23 00-0047	EA			54" x 34" Molded Stone Shower Receptor (Crane/Fiat 54WL).....	362.05	48.71	
22 42 23 00-0048	EA			60" x 34" Molded Stone Shower Receptor (Crane/Fiat 60WL).....	374.02	48.71	
22 42 23 00-0049	EA			36" x 36" Molded Stone Corner Shower Receptor (Crane/Fiat 36WLC).....	297.20	40.59	
22 42 23 00-0050	EA			38" x 38" Molded Stone Corner Shower Receptor (Crane/Fiat 38WLC).....	304.13	40.59	
22 42 23 00-0051				Precast Terrazzo Shower Receptors (22 42 23 00-0022)			
22 42 23 00-0052	EA			30" x 30" Precast Terrazzo Shower Receptor.....	464.78	40.59	
22 42 23 00-0053	EA			32" x 32" Precast Terrazzo Shower Receptor.....	481.79	40.59	
22 42 23 00-0054	EA			34" x 34" Precast Terrazzo Shower Receptor.....	497.54	40.59	
22 42 23 00-0055	EA			36" x 36" Precast Terrazzo Shower Receptor.....	499.43	40.59	
22 42 23 00-0056	EA			40" x 40" Precast Terrazzo Shower Receptor.....	544.16	40.59	
22 42 23 00-0057	EA			42" x 42" Precast Terrazzo Shower Receptor.....	566.84	40.59	
22 42 23 00-0058	EA			48" x 48" Precast Terrazzo Shower Receptor.....	786.08	40.59	
22 42 23 00-0059	EA			36" x 32" Precast Terrazzo Shower Receptor.....	493.76	40.59	
22 42 23 00-0060	EA			42" x 32" Precast Terrazzo Shower Receptor.....	502.79	40.59	
22 42 23 00-0061	EA			42" x 34" Precast Terrazzo Shower Receptor.....	518.96	40.59	
22 42 23 00-0062	EA			42" x 36" Precast Terrazzo Shower Receptor.....	539.12	40.59	
22 42 23 00-0063	EA			32" x 48" Precast Terrazzo Shower Receptor.....	541.01	40.59	
22 42 23 00-0064	EA			48" x 34" Precast Terrazzo Shower Receptor.....	566.84	40.59	
22 42 23 00-0065	EA			48" x 36" Precast Terrazzo Shower Receptor.....	585.74	40.59	
22 42 23 00-0066	EA			54" x 32" Precast Terrazzo Shower Receptor.....	592.67	40.59	
22 42 23 00-0067	EA			60" x 30" Precast Terrazzo Shower Receptor.....	797.15	48.71	
22 42 23 00-0068	EA			60" x 32" Precast Terrazzo Shower Receptor.....	868.63	48.71	
22 42 23 00-0069	EA			60" x 34" Precast Terrazzo Shower Receptor.....	872.14	48.71	
22 42 23 00-0070	EA			60" x 36" Precast Terrazzo Shower Receptor.....	875.63	48.71	
22 42 23 00-0071	EA			32" x 32" Precast Terrazzo Corner Shower Receptor.....	501.95	40.59	
22 42 23 00-0072	EA			34" x 34" Precast Terrazzo Corner Shower Receptor.....	502.79	40.59	
22 42 23 00-0073	EA			36" x 36" Precast Terrazzo Corner Shower Receptor.....	504.47	40.59	
22 42 23 00-0074	EA			40" x 40" Precast Terrazzo Corner Shower Receptor.....	599.60	40.59	
22 42 23 00-0075	EA			36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,068.95	40.59	
22 42 23 00-0076	EA			60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,192.39	48.71	
22 42 23 00-0077	EA			60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,241.53	48.71	
22 42 23 00-0078				Shower Receptors Accessories (22 42 23 00-0022)			
22 42 23 00-0079	SF			Polyvinyl Chloride (PVC) Shower Pan Liner.....	3.42		
22 42 23 00-0080				Removal And Reinstallation Of Fixtures And Trim (22 42 23)			
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.							
22 42 23 00-0081	EA			Remove And Reinstall Shower Head.....	48.71		
22 42 33				Wash Fountains (22 42)			
22 42 33 00-0001				Circular Wash Fountain, Deep Bowl (22 42 33)			
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.							
22 42 33 00-0002	EA			36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	6,227.96	157.02	
					For Metal Soap Dispenser, Add	100.00	
					For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA			36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,784.44	157.02	
					For Metal Soap Dispenser, Add	100.00	
					For Stainless Steel Pedestal Panels, Add	100.00	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,316.80	157.02
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	7,918.00	179.44
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,520.74	179.44
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,966.83	179.44
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0008			Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	5,431.43	134.59
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,369.86	134.59
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,303.08	134.59
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	6,656.99	157.02
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,273.91	157.02
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,498.59	157.02
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 39			Commercial Faucets, Supplies, And Trim <small>(22 42)</small>		
22 42 39 00-0001			Kitchen Faucets <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-WF).....	153.48	49.81
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-WF).....	171.37	49.81
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta Brilliance 140-SSWF).....	179.04	49.81
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta Brilliance 440-SSWF).....	200.91	49.81
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102-LHP+H24).....	142.27	49.81
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402-LHP+H24).....	155.85	49.81
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2176-LHP+H24).....	189.36	49.81
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 2476-LHP+H24).....	211.56	49.81
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101-WF).....	142.02	49.81
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175-WF).....	164.04	49.81
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	256.17	49.81
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	278.40	49.81
22 42 39 00-0014	EA		Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943).....	225.03	49.81
22 42 39 00-0015	EA		Wall Mount Kitchen Faucet, 8" Center, With 14" Double Joint Spout (Delta 28T4433).....	201.08	49.81
22 42 39 00-0016	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 CP).....	252.52	54.11
22 42 39 00-0017	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	247.79	54.11
22 42 39 00-0018	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	463.11	49.81
22 42 39 00-0019	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	579.85	49.81
22 42 39 00-0020	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	618.76	49.81
22 42 39 00-0021	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	542.40	49.81
22 42 39 00-0022	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	682.63	49.81
22 42 39 00-0023	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	729.62	49.81
22 42 39 00-0024			Lavatory Faucets <small>(22 42 39)</small>		
22 42 39 00-0025	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	165.07	35.86
22 42 39 00-0026	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501-WF).....	123.69	35.86
22 42 39 00-0027	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2521-LHP+H25).....	148.81	35.86
22 42 39 00-0028	EA		4" Centerset Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 2530-LHP+H24).....	161.34	35.86



Plumbing	22	22
Plumbing Fixtures	22 40	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0029 EA Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3543-LHP+H24).....	193.69	35.86
22 42 39 00-0030 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3530-LHP+H24).....	222.42	35.86
22 42 39 00-0031 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	138.14	35.86
22 42 39 00-0032 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	187.22	35.86
22 42 39 00-0033 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	170.46	35.86
22 42 39 00-0034 EA Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123).....	165.45	35.86
22 42 39 00-0035 EA Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD).....	262.55	35.86
22 42 39 00-0036 EA Easy-Push Metering Widespread Faucet (Speakman S-4171-LD).....	330.60	35.86
22 42 39 00-0037 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	104.47	35.86
22 42 39 00-0038 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	145.43	35.86
22 42 39 00-0039 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	143.34	35.86
22 42 39 00-0040 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	184.63	35.86
22 42 39 00-0041 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0042 Bath And Shower Faucets With Valve Body (22 42 39 00-0041)		
22 42 39 00-0043 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	155.16	43.23
22 42 39 00-0044 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	172.73	43.23
22 42 39 00-0045 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	187.05	43.23
22 42 39 00-0046 EA Two Lever Handle, Chrome Tub Filler (American Standard 3275.505).....	142.85	43.23
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0047 EA Two Lever Handle, Chrome Shower Only (American Standard 3275.501).....	143.84	43.23
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0048 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard 3275.502).....	160.43	43.23
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0049 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard 3375.502).....	177.35	43.23
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0050 Shower Valves And Trim (22 42 39)		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0051 EA Senior Institutional Shower Head (Symmons® 4-150).....	157.81	43.23
22 42 39 00-0052 EA Universal Institutional Shower Head (Symmons® 4-151).....	231.51	43.23
22 42 39 00-0053 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	171.31	43.23
22 42 39 00-0054 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	136.02	43.23
22 42 39 00-0055 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	441.70	64.75
22 42 39 00-0056 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	465.09	74.72
22 42 39 00-0057 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	566.56	74.72
22 42 39 00-0058 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	585.40	79.69
22 42 39 00-0059 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	285.90	67.24
22 42 39 00-0060 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	576.99	67.24
22 42 39 00-0061 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	395.88	67.24
22 42 39 00-0062 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	705.90	67.24
For Hand Spray, Hose And Wall Hooks, Add	106.44	
For Recessed Soap Dish, Add	108.12	
For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0063 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	826.33	67.24
For Hand Spray, Hose And Wall Hooks, Add	106.44	
For Recessed Soap Dish, Add	108.12	
For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0064 EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	580.76	67.24
For Hand Spray, Hose And Wall Hooks, Add	19.32	
For Hand Spray, Hose And 30" Slide Bar, Add	78.39	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0065 EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	843.77	67.24
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0066 EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	862.35	67.24
For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0067 EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,606.62	67.24
For Recessed Soap Dish, Add	83.94	
For Pressure Balance And Metering Combination, Add	227.79	
22 42 39 00-0068 EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,411.61	67.24
For Recessed Soap Dish, Add	83.94	
For Pressure Balance And Metering Combination, Add	291.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0069 EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	713.53	67.24
22 42 39 00-0070 EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,060.01	67.24
For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0071 EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	609.87	67.24
22 42 39 00-0072 EA Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	644.11	67.24
For Hand Spray, Hose And 30" Slide Bar, Add	59.07	
22 42 39 00-0073 EA Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	542.83	59.76
22 42 39 00-0074 EA Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	418.86	43.23
22 42 39 00-0075 Service Sink Faucets (22 42 39)		
22 42 39 00-0076 EA 2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®).....	297.30	82.93
22 42 39 00-0077 EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™).....	349.51	82.93
22 42 39 00-0078 EA 3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235).....	232.56	82.93
22 42 39 00-0079 EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243).....	253.39	82.93
22 42 39 00-0080 EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	274.36	82.93
22 42 39 00-0081 EA 6" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.101).....	380.65	116.25
22 42 39 00-0082 EA 6" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.110).....	427.68	132.49
22 42 39 00-0083 EA 12" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115).....	458.41	132.49
22 42 39 00-0084 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	278.28	82.93
22 42 39 00-0085 EA 8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8).....	390.38	132.49
22 42 39 00-0086 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP).....	510.75	132.49
22 42 39 00-0087 Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0088 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	139.80	35.26
22 42 39 00-0089 EA Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929).....	224.27	49.81
22 42 39 00-0090 EA Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930).....	284.38	49.81
22 42 39 00-0091 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	182.68	46.52
22 42 39 00-0092 EA Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940).....	252.58	66.34
22 42 39 00-0093 EA Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	325.51	66.34
22 42 39 00-0094 EA Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946).....	258.48	49.81
22 42 39 00-0095 EA Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942).....	263.82	66.34
22 42 39 00-0096 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	165.64	38.31
22 42 39 00-0097 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	232.79	54.11
22 42 39 00-0098 EA Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802).....	189.17	54.11
22 42 39 00-0099 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP).....	220.98	54.11
22 42 39 00-0100 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	219.33	54.11
22 42 39 00-0101 EA Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP).....	72.53	33.27
22 42 39 00-0102 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	70.58	33.27
22 42 39 00-0103 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	352.59	59.76
22 42 39 00-0104 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	352.59	59.76
22 42 39 00-0105 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	439.24	59.76
22 42 39 00-0106 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	393.65	59.76
22 42 39 00-0107 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	523.78	59.76
22 42 39 00-0108 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	102.18	32.87
22 42 39 00-0109 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	138.85	39.44
22 42 39 00-0110 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	138.85	39.44
22 42 39 00-0111 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	175.53	46.02
22 42 39 00-0112 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	212.20	52.60
22 42 39 00-0113 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0114 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	556.92	37.35
22 42 39 00-0115 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	606.41	34.87
22 42 39 00-0116 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-B).....	640.85	37.35
22 42 39 00-0117 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	665.88	37.35
22 42 39 00-0118 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	886.86	24.91
22 42 39 00-0119 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,244.26	62.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0120 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	1,443.77	62.26
22 42 39 00-0121 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	1,527.70	62.26
22 42 39 00-0122 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	179.21	37.88
22 42 39 00-0123 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	193.46	37.88
22 42 39 00-0124 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	205.92	37.88
22 42 39 00-0125 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	767.56	24.91
22 42 39 00-0126 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0127 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	225.39	35.26
22 42 39 00-0128 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	146.58	46.52
22 42 39 00-0129 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	161.28	35.26
22 42 39 00-0130 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	161.26	50.55
22 42 39 00-0131 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	198.37	38.31
22 42 39 00-0132 EA Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF).....	282.98	38.31
22 42 39 00-0133 EA Push Button Bubbler, 1/2" OD (Haws 5017LF).....	198.37	38.31
22 42 39 00-0134 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	208.50	38.31
22 42 39 00-0135 Electronic Infrared Sensor Faucets (22 42 39)		
22 42 39 00-0136 EA Electronic Lavatory Faucet (American Standard 6055.205.002).....	431.07	83.08
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0137 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	434.32	83.08
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0138 EA Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	581.55	90.27
22 42 39 00-0139 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	577.26	83.08
22 42 39 00-0140 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	999.84	90.27
22 42 39 00-0141 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,156.43	90.27
22 42 39 00-0142 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,003.57	90.27
22 42 39 00-0143 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	668.70	83.08
22 42 39 00-0144 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	981.45	83.08
22 42 39 00-0145 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL5GKCN-60)	1,166.58	83.08
22 42 39 00-0146 Other Trim (22 42 39)		
22 42 39 00-0147 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	15.27	5.41
22 42 39 00-0148 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	79.78	16.23
22 42 39 00-0149 EA Basket Strainer Assembly (American Standard 055781-0070A)	38.78	13.53
22 42 39 00-0150 EA 1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout.....	98.17	28.29
22 42 39 00-0151 EA 1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout.....	100.60	29.88
22 42 39 00-0152 EA 1-1/2" Cast Brass P-Trap With Cleanout	156.64	29.88
22 42 39 00-0153 Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0154 EA Remove And Reinstall Faucet	86.58	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0002 EA Remove And Reinstall Flush Valve.....	135.29	
22 42 43 00-0003 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0004 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	37.62	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year.....	4,132.70	996.14
For Extra Urinal, Add	134.35	
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year.....	4,911.41	1,186.41
For Extra Urinal, Add	159.09	
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year	5,911.98	1,345.79
For Extra Urinal, Add	214.68	

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 43 Healthcare Plumbing Fixtures ^(22 40)

22 43 13 Healthcare Water Closets ^(22 43)

22 43 13 00-0001 Healthcare Water Closets ^(22 43 13)

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	758.28	103.60
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	602.72	103.60

22 43 16 Healthcare Sinks ^(22 43)

22 43 16 00-0001 Healthcare Sinks ^(22 43 16)

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,156.28	66.74
		<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	105.70	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,244.88	191.76
		<i>For Stainless Steel Rim Guards (Three Sides), Add</i>	105.70	
		<i>For Pedestal Base, Add</i>	484.63	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,109.75	66.74
		<i>For Painted Bracket Supports, Add</i>	170.15	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	970.14	66.74

22 43 39 Healthcare Faucets ^(22 43)

22 43 39 00-0001 Medical Faucet Spouts ^(22 43 39)

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	97.28	14.94
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22 43 39 00-0003 Electronic Proximity Medical Faucets ^(22 43 39)

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	556.58	73.12
		<i>For Hard Wired AC Powered, Add</i>	24.07	

22 43 39 00-0005 Foot And Knee Faucet Controls ^(22 43 39)

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	324.55	132.89
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	368.52	132.89
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOC).....	707.50	132.89
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	645.55	132.89

22 43 39 00-0010 Centerset Medical Faucets ^(22 43 39)

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	291.11	73.12
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	302.22	73.12
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	284.17	73.12
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	271.67	73.12
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	262.30	73.12

22 43 39 00-0016 Bedpan Washers ^(22 43 39)

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	784.11	132.89
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	749.06	132.89
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	702.20	132.89
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	676.45	132.89

22 43 43 Healthcare Plumbing Fixture Flushometers ^(22 43)

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers ^(22 43 43)

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	221.63	33.96
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	493.18	33.96

22 43 46 Patient Care Fixtures ^(22 43)

22 43 46 00-0001 Modular Patient Care Units ^(22 43 46)



Plumbing	22	22
Plumbing Fixtures	22 40	
Healthcare Plumbing Fixtures	22 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) 10,227.60		199.23
For SDB Single Temperature Dialysis Box, Add	722.50	
For DDB Dual Temperature Dialysis Box, Add	767.38	
For BWSEV Bedpan Washer With Elevated Valve, Add	625.11	
For LOCK Flush Valve Lockout Device, Add	407.25	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) 8,088.38		174.33
For SDB Single Temperature Dialysis Box, Add	722.50	
For DDB Dual Temperature Dialysis Box, Add	767.38	
For BWSEV Bedpan Washer With Elevated Valve, Add	625.11	
For LOCK Flush Valve Lockout Device, Add	407.25	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920) 965.56		27.06
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919) 1,061.37		27.06
22 45 Emergency Plumbing Fixtures (22 45)		
22 45 13 Emergency Showers (22 45)		
22 45 13 00-0001 Emergency Drench Showers (22 45 13)		
22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) 577.03		174.33
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) 647.90		174.33
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC) 687.27		174.33
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) 805.40		174.33
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) 1,049.53		174.33
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) 863.08		199.23
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) 948.32		224.14
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169) 873.51		224.14
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) 889.26		224.14
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) 1,184.57		224.14
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220) 497.33		174.33
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227) 501.05		174.33
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253) 751.89		199.23
22 45 13 00-0017 Emergency Drench Showers (Guardian) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0018 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994) 2,935.81		174.33
22 45 13 00-0019 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0020 EA Emergency Shower, Vertically Mounted (WaterSaver ES635) 556.55		174.33
22 45 13 00-0021 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643) 565.64		174.33
22 45 13 00-0022 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691) 1,010.87		174.33
22 45 13 00-0023 EA Emergency Shower, Recess Mounted (WaterSaver ES629) 830.52		224.14
22 45 13 00-0024 EA Emergency Shower, Semi-Concealed (WaterSaver ES658) 1,036.23		224.14
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620) 214.71		4.98
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP) 1,121.57		224.14
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805) 427.21		49.81
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH) 427.21		49.81
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806) 434.10		49.81
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH) 434.10		49.81

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	560.56	49.81
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	631.80	49.81
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	631.80	49.81
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,128.68	49.81
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,128.68	49.81
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,178.81	49.81
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,178.81	49.81
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	1,442.60	49.81
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	1,442.60	49.81
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	868.45	174.33
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	858.73	174.33
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	667.08	174.33
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	869.19	174.33
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	594.93	174.33
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,221.21	14.94
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	591.60	124.52
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	620.34	174.33
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	608.53	174.33
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	654.99	174.33
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	659.71	174.33
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	715.63	174.33
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	939.27	174.33
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,687.40	174.33
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	752.84	199.23
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	843.40	199.23
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,756.90	199.23
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	465.80	49.81
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	450.05	49.81
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	469.73	49.81
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	583.92	49.81
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,490.32	249.04
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	1,749.02	199.23
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	1,821.07	249.04
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,087.65	199.23
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	543.95	174.33
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE- 496)	653.61	199.23
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	793.91	174.33



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	996.02	174.33
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	970.32	174.33
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	909.01	174.33
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	447.27	49.81
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	447.27	49.81
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	435.31	49.81
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	435.31	49.81
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	640.79	49.81
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	640.79	49.81
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	502.52	62.26
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	573.40	62.26
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	365.55	62.26
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	341.54	62.26
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	482.77	62.26
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	456.06	62.26
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	465.62	62.26
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	591.56	62.26
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	675.32	62.26
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	646.92	62.26
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	2,950.93	323.75
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,053.18	323.75
Note: Includes freeze protection bury valve.		
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,482.24	323.75
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,257.93	323.75
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,702.74	323.75
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,612.18	323.75
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,403.49	323.75
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,187.05	323.75
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,379.99	323.75
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,423.30	323.75
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,687.11	323.75
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCCD).....	2,840.68	323.75
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	2,797.37	323.75
22 45 33 00-0016 EA Floor Mounted, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,096.74	323.75
22 45 33 00-0017 EA Floor Mounted, 220 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,309.37	323.75
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	8,916.24	323.75
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,403.49	323.75

22	Plumbing
22 40	Plumbing Fixtures
22 45	Emergency Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,564.93	323.75
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,217.01	323.75
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	3,044.05	270.57
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	3,104.96	270.57
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,388.37	270.57
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,293.61	270.57
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	1,590.48	270.57
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0004 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0005 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	530.08	62.26
22 45 36 00-0006 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	762.40	62.26
22 45 36 00-0007 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,104.96	62.26
22 45 36 00-0008 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,297.90	62.26
22 45 36 00-0009 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	1,825.52	62.26
22 45 36 00-0010 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	1,923.96	62.26
22 45 36 00-0011 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,211.52	62.26
22 45 36 00-0012 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	3,853.33	62.26
22 45 36 00-0013 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	589.14	62.26
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	138.29	19.92
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	189.47	19.92
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	197.35	19.92
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	211.82	7.47
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	214.71	4.98
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	236.48	9.96
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	444.73	74.72
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317DLTEXP)	430.37	30.13
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	635.13	30.13
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	762.40	74.72
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,402.94	30.13
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,578.96	100.42
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,610.46	100.42
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	2,957.09	100.42
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	5,595.22	100.42
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers	687.32	74.72
Note: Curtain includes stainless steel curtain rod and mounting accessories.		
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	96.59	16.23

22 46 Security Plumbing Fixtures (22 40)

22 46 13 Security Water Closets And Urinals (22 46)



Plumbing	22
Plumbing Fixtures	22 40
Security Plumbing Fixtures	22 46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 00-0001 Security Fixtures (22 46 13)		
22 46 13 00-0002 EA Prison Urinal, Back Supply And Flush, Wall Hung, Stainless Steel	2,690.82	224.14
22 46 13 00-0003 EA Prison Urinal, Back Supply And Flush, Stall, Stainless Steel.....	4,544.28	318.47
22 46 13 00-0004 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum.....	2,295.76	249.04
For Angled Toilet, Add	24.90	
For Offset Toilet, Add	204.67	
22 46 13 00-0005 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum.....	2,758.82	249.04
For Angled Toilet, Add	24.90	
For Offset Toilet, Add	250.98	
22 46 13 00-0006 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum.....	2,799.39	249.04
For Angled Toilet, Add	24.90	
For Offset Toilet, Add	255.04	
22 46 13 00-0007 EA For Recessed Tissue Holder For Prison Water Closet, Stainless Steel.....	266.02	49.81
22 46 13 00-0008 EA 15" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,112.26	308.81
For Angled Toilet, Add	30.88	
For Offset Toilet, Add	380.35	
For 15" Mirror/Shelf Module, Add	858.81	
For AC Duplex Outlet Option, Add	91.76	
For Intercom Option, Add	136.76	
For 15" Wide Light/Ventilation Module, Add	820.28	
22 46 13 00-0009 EA 18" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,238.67	323.75
For Angled Toilet, Add	32.37	
For Offset Toilet, Add	391.49	
For 18" Mirror/Shelf Module, Add	898.75	
For AC Duplex Outlet Option, Add	94.75	
For Intercom Option, Add	139.75	
For 18" Wide Light/Ventilation Module, Add	844.25	
22 46 13 00-0010 EA 20" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,335.71	338.69
For Angled Toilet, Add	33.87	
For Offset Toilet, Add	399.70	
For 20" Mirror/Shelf Module, Add	948.69	
For AC Duplex Outlet Option, Add	97.74	
For Intercom Option, Add	142.74	
For 20" Wide Light/Ventilation Module, Add	878.21	
22 46 13 00-0011 EA 26" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,637.00	353.63
For Angled Toilet, Add	35.36	
For Offset Toilet, Add	428.34	
For 26" Mirror/Shelf Module, Add	988.64	
For AC Duplex Outlet Option, Add	100.73	
For Intercom Option, Add	145.73	
For 26" Wide Light/Ventilation Module, Add	907.18	
22 46 13 00-0012 EA 28" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel.....	7,404.68	368.57
For Angled Toilet, Add	36.86	
For Offset Toilet, Add	703.61	
For 28" Mirror/Shelf Module, Add	1,023.58	
For AC Duplex Outlet Option, Add	103.72	
For Intercom Option, Add	148.72	
For 28" Wide Light/Ventilation Module, Add	936.15	
22 46 16 Security Lavatories And Sinks (22 46)		
22 46 16 00-0001 Security Lavatories And Sinks (22 46 16)		
22 46 16 00-0002 EA Prison Lavatory, Wall Hung, Push Button Filler V, Rectangular Bowl, Stainless Steel	1,652.87	174.33
For Shelf, Add	87.30	
22 46 16 00-0003 EA Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Stainless Steel	1,679.73	174.33
For Shelf, Add	87.30	
22 46 16 00-0004 EA Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Corner Mount, Stainless Steel	1,906.55	174.33
For Shelf, Add	87.30	
22 46 16 00-0005 EA Prison Lavatory, Wall Hung, Push Button Filler V, Multi Sided Bowl, Stainless Steel.....	1,679.73	174.33
For Shelf, Add	87.30	
22 46 16 00-0006 EA Prison Service Sink, With Soap Dish, 22" x 16" x 10", Stainless Steel	3,518.46	265.47
22 46 19 Security Showers (22 46)		
22 46 19 00-0001 EA Prison Shower Cabinet, Unitized, 36" X 36" X 88", Stainless Steel	9,662.95	362.00
For Door, Add	137.40	
22 46 19 00-0002 EA Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel.....	620.76	132.98
22 46 19 00-0003 EA Prison Shower Head With Mixing Valves And Piping Assembly In Wall.....	442.40	69.73
22 46 19 00-0004 EA 30" Prison Shower, Stainless Steel, Knock-Down, Acorn 1730-3M-KD.....	9,077.32	398.46
22 46 19 00-0005 EA 32" Prison Shower, Stainless Steel, Knock-Down, Acorn 1732-3M-KD.....	9,401.88	398.46
22 46 19 00-0006 EA 36" Prison Shower, Stainless Steel, Knock-Down, Acorn 1736-3M-KD.....	9,735.91	398.46
22 46 19 00-0007 EA 36" ADA Prison Shower, Stainless Steel, Front Access, Acorn 1736-ADA-3M-FA.....	12,351.35	398.46
22 46 19 00-0008 EA Wall Mounted Shower, Stainless Steel, Acorn 1741	929.99	104.60
For PWT Electronic FV, Add	148.00	
22 46 19 00-0009 EA Wall Mounted ADA Shower, Stainless Steel, Acorn 1741 ADA.....	1,117.97	104.60
For PWT Electronic FV, Add	148.00	

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 46 56 Security Drinking Fountains (22 46)

22 46 56 00-0001 Drinking Fountain (22 46 56)

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Drinking Fountain, Stainless Steel, Acorn 1670-1-BP-3-FA	1,868.96	199.23
22 46 56 00-0003	EA	Wall Mounted ADA Drinking Fountain, Stainless Steel, Acorn 1672-1-ADA-BP-3-FA	1,881.91	199.23

22 47 Drinking Fountains And Water Coolers (22 40)

22 47 13 Drinking Fountains (22 47)

22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,489.91	161.88
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	1,765.76	174.33
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,671.54	161.88
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	1,792.96	174.33
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFBS)	1,017.84	161.88
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSEBP)	1,199.79	174.33
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSE)	1,094.17	161.88
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSEBP)	1,220.86	174.33

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,050.63	174.33
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8WF)	1,412.57	174.33
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Elkay/Halsey-Taylor HTHB-HAC8BLWF)	2,003.38	174.33

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,394.04	186.77
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,912.94	186.77

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,490.91	199.23
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,656.19	199.23

22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	634.25	124.52
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	612.31	124.52
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	732.53	124.52

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	465.78	124.52
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	585.99	124.52

22 47 13 00-0028 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0029	EA	Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,757.10	199.23
22 47 13 00-0030	EA	Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	2,997.53	199.23
22 47 13 00-0031	EA	Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,323.63	199.23
22 47 13 00-0032	EA	White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)	1,925.26	199.23
22 47 13 00-0033	EA	White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435)	2,428.05	199.23
22 47 13 00-0034	EA	Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,148.03	254.14
22 47 13 00-0035	EA	Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)	2,881.13	199.23
22 47 13 00-0036	EA	Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408)	3,034.67	199.23



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0037 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0038 Face Mounted (22 47 13 00-0037)		
22 47 13 00-0039 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,632.18	199.23
22 47 13 00-0040 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEFP-FR).....	1,733.09	199.23
22 47 13 00-0041 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,318.05	199.23
22 47 13 00-0042 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	1,765.56	199.23
22 47 13 00-0043 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM).....	1,016.68	199.23
Note: For use with remote chillers		
22 47 13 00-0044 Free Standing (22 47 13 00-0037)		
22 47 13 00-0045 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,296.08	186.77
22 47 13 00-0046 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,189.34	186.77
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,416.29	186.77
22 47 13 00-0048 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,309.55	186.77
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,434.51	199.23
22 47 13 00-0050 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	4,881.45	199.23
22 47 13 00-0051 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,329.98	186.77
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,232.02	186.77
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,126.16	186.77
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,350.27	199.23
22 47 13 00-0055 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	4,708.59	199.23
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,708.84	199.23
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,882.58	199.23
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,120.62	199.23
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,159.23	199.23
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,274.18	199.23
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,297.87	199.23
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	989.52	199.23
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,182.92	199.23
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,091.66	199.23
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,629.40	199.23
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,874.41	298.84
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,602.35	199.23
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	2,566.44	224.14
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,715.93	224.14
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,336.30	224.14
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,099.75	174.33
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,138.36	174.33
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,254.19	174.33
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,443.72	174.33
22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	463.64	99.61

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water	547.88	99.61
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	3,775.01	298.84
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	3,941.73	298.84
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,798.95	298.84
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,376.59	124.52
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,154.03	124.52
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	1,867.87	186.77
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,213.59	186.77
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041 EA Remove And Reinstall Wall Hung Water Cooler	484.01	
22 47 16 00-0042 EA Remove And Reinstall Floor Mount Water Cooler	108.23	
22 47 19 Water-Station Water Coolers (22 47)		
22 47 19 00-0001 Bottle Filler (22 47 19)		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,253.90	199.23
<i>For Stainless Steel Carrier, Add 205.00</i>		
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BF FRK)	4,101.19	199.23
<i>For Stainless Steel Carrier, Add 205.00</i>		
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,254.83	224.14
<i>For Stainless Steel Carrier, Add 205.00</i>		
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,672.42	224.14
<i>For Stainless Steel Carrier, Add 205.00</i>		
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	6,090.01	224.14
<i>For Stainless Steel Carrier, Add 205.00</i>		
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	740.81	67.24
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,112.00	74.72
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	896.49	87.16
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,258.34	99.61
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	1,790.55	149.42
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,248.93	161.88
22 47 26 Fixture Carriers (22 47)		
22 47 26 00-0001 Water Cooler Carriers (22 47 26)		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	344.17	37.86
<i>For Up To 4" Extension Sleeves And Hardware, Add 14.68</i>		
<i>For Bi-Level Carrier, Add 180.09</i>		
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	370.73	37.86
<i>For Up To 4" Extension Sleeves And Hardware, Add 14.68</i>		
<i>For Bi-Level Carrier, Add 180.09</i>		
22 50 Pool And Fountain Plumbing Systems (22)		
22 51 Swimming Pool Plumbing Systems (22 50)		
22 51 13 Swimming Pool Piping (22 51)		
22 51 13 00-0001 Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless	230.64	22.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001 Swimming Pool Heaters (22 51 19) <small>Note: Excludes wiring, external piping, base or pad. Commercial pools.</small>		
22 51 19 00-0002 Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003 EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	2,989.12	199.23
22 51 19 00-0004 EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	3,331.70	214.17
22 51 19 00-0005 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	3,713.07	249.04
22 51 19 00-0006 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	3,964.78	298.84
22 51 19 00-0007 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	4,448.93	418.38
22 51 19 00-0008 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	5,214.19	597.69
22 51 19 00-0009 Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010 EA 120 MBH Output Gas Fired Pool Heater	3,561.97	448.89
22 51 19 00-0011 EA 180 MBH Output Gas Fired Pool Heater	4,108.79	533.05
22 51 19 00-0012 EA 240 MBH Output Gas Fired Pool Heater	5,452.18	935.19
22 51 19 00-0013 EA 300 MBH Output Gas Fired Pool Heater	6,597.16	1,122.23
22 51 19 00-0014 EA 360 MBH Output Gas Fired Pool Heater	7,007.11	1,244.24
22 51 19 00-0015 EA 400 MBH Output Gas Fired Pool Heater	8,037.89	1,458.58
22 51 19 00-0016 EA 500 MBH Output Gas Fired Pool Heater	12,586.07	1,750.30
22 51 19 00-0017 EA 600 MBH Output Gas Fired Pool Heater	14,534.69	1,944.78
22 51 19 00-0018 EA 750 MBH Output Gas Fired Pool Heater	16,349.76	2,100.35
22 51 19 00-0019 EA 1,000 MBH Output Gas Fired Pool Heater	20,841.35	2,479.59
22 51 19 00-0020 Surge Tanks (22 51 19) <small>Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.</small>		
22 51 19 00-0021 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	11,565.71	748.55
22 51 19 00-0022 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	12,851.29	748.55
22 51 19 00-0023 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	15,438.26	909.31
22 51 19 00-0024 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	20,840.53	1,467.53
22 51 19 00-0025 Diatomite Type Filter System (22 51 19)		
22 51 19 00-0026 EA 35,000 Gallon Filter System, Diatomite	11,796.02	2,522.64
22 51 19 00-0027 EA 45,000 Gallon Filter System, Diatomite	14,081.89	3,027.17
22 51 19 00-0028 Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0029 EA 20 Gallon/Day Capacity, Silver Recovery System	1,498.93	338.21
22 51 19 00-0030 EA 40 Gallon/Day Capacity, Silver Recovery System	2,173.04	451.00
22 51 19 00-0031 Inline Water Filter (22 51 19) <small>Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.</small>		
22 51 19 00-0032 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	215.82	99.61
22 51 19 00-0033 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	358.64	149.42
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)		
22 63 Gas Systems For Laboratory And Healthcare Facilities (22 60)		
22 63 13 Gas Piping For Laboratory And Healthcare Facilities (22 63)		
22 63 13 53 Laboratory Gas Piping (22 63 13) <small>See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-1952 for PVC piping.</small>		
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)		
22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)		
22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fusal Fittings (22 66 53 00-0001)		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	12.14	5.68
<small>For Schedule 80, Add</small>	1.87	
<small>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</small>	1.60	
<small>For Work In Restricted Working Space, Add</small>	2.57	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	14.47 2.52 2.16 2.89	6.37
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	22.70 4.56 3.90 4.18	9.26
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	30.54 6.46 5.53 5.43	12.06
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	48.97 11.65 9.97 7.97	17.74
22 66 53 00-0009			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	46.59 9.64	21.42
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	60.35 12.72	28.29
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	79.08 14.58	32.38
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	112.81 19.28	42.83
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	214.17 28.46	63.25
22 66 53 00-0015			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	46.35 9.64	21.42
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	59.70 12.72	28.29
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	80.33 14.58	32.38
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	100.27 19.28	42.83
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	194.73 28.46	63.25
22 66 53 00-0021			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0022	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	86.66 20.61	45.82
22 66 53 00-0023	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	108.14 25.99	57.77
22 66 53 00-0024	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	137.92 28.46	63.25
22 66 53 00-0025	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	188.99 37.36	83.08
22 66 53 00-0026	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	327.45 59.77	132.89
22 66 53 00-0027			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0028	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	108.11 25.99	57.77
22 66 53 00-0029	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	134.92 28.46	63.25
22 66 53 00-0030	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	132.25 28.46	63.25
22 66 53 00-0031	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	182.14 37.36	83.08
22 66 53 00-0032	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	184.72 37.36	83.08
22 66 53 00-0033	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	308.37 59.77	132.89
22 66 53 00-0034			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)		
22 66 53 00-0035	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	95.43 20.61	45.82
22 66 53 00-0036	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	110.26 25.99	57.77
22 66 53 00-0037	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	144.42 28.46	63.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	191.98 37.36	83.08
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	290.45 59.77	132.89
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	91.59 20.61	45.82
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	112.70 25.99	57.77
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	140.64 28.46	63.25
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	191.24 37.36	83.08
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	368.62 59.77	132.89
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	118.73 25.99	57.77
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	137.55 28.46	63.25
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	137.55 28.46	63.25
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	188.57 37.36	83.08
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	188.57 37.36	83.08
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	333.16 59.77	132.89
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	335.23 59.77	132.89
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	309.24 59.77	132.89
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	114.04 25.76	57.28
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	142.02 32.48	72.22
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	186.08 35.58	79.09
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	256.71 46.69	103.80
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	450.04 74.71	166.06
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	85.06 20.61	45.82
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	110.52 25.99	57.77
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	125.45 28.46	63.25
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	172.08 37.36	83.08
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	103.41 25.99	57.77
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	122.59 28.46	63.25
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	123.74 28.46	63.25
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	167.82 37.36	83.08
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	168.55 37.36	83.08
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <small>(22 66 53 00-0002)</small>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	100.21 23.91	53.20
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	133.09 31.46	69.93
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	197.83 42.69	94.94

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	274.43 54.34	120.84
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	45.91 9.64	21.42
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	56.75 12.72	28.29
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	66.36 14.58	32.38
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	89.89 19.28	42.83
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	133.23 28.46	63.25
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	44.18 9.64	21.42
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	58.06 12.72	28.29
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	68.76 14.58	32.38
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	92.24 19.28	42.83
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	42.03 9.64	21.42
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	54.20 12.72	28.29
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	62.92 14.58	32.38
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	83.22 19.28	42.83
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	122.42 28.46	63.25
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	19.05 3.29	5.48
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	22.97 3.59	5.97
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	31.92 5.04	8.37
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	49.25 6.52	10.86
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	78.97 8.90	14.84
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	65.92 14.61	24.40
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	73.42 15.51	25.90
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	94.55 17.63	29.39
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	134.83 23.31	38.85
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	281.71 32.28	53.79
22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	66.13 14.68	24.50
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	73.02 15.39	25.60
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	94.35 17.57	29.29
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	134.83 23.31	38.85
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	281.69 32.27	53.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	66.60	24.50
<i>For Work In Restricted Working Space, Add</i>	14.68	
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	73.59	25.60
<i>For Work In Restricted Working Space, Add</i>	15.39	
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	95.34	29.29
<i>For Work In Restricted Working Space, Add</i>	17.57	
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	134.83	38.85
<i>For Work In Restricted Working Space, Add</i>	23.31	
22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	66.60	24.50
<i>For Work In Restricted Working Space, Add</i>	14.68	
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	73.59	25.60
<i>For Work In Restricted Working Space, Add</i>	15.39	
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	95.34	29.29
<i>For Work In Restricted Working Space, Add</i>	17.57	
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	134.83	38.85
<i>For Work In Restricted Working Space, Add</i>	23.31	
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg.....	73.31	24.50
<i>For Work In Restricted Working Space, Add</i>	14.68	
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg.....	83.23	25.60
<i>For Work In Restricted Working Space, Add</i>	15.39	
22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126 EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend.....	104.13	36.66
<i>For Work In Restricted Working Space, Add</i>	22.01	
22 66 53 00-0127 EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend.....	122.45	37.96
<i>For Work In Restricted Working Space, Add</i>	22.77	
22 66 53 00-0128 EA 2" Glass Acid Resistant DWV Double Quarter Bend.....	117.30	38.45
<i>For Work In Restricted Working Space, Add</i>	23.09	
22 66 53 00-0129 EA 3" Glass Acid Resistant DWV Double Quarter Bend.....	150.42	43.93
<i>For Work In Restricted Working Space, Add</i>	26.36	
22 66 53 00-0130 EA 4" Glass Acid Resistant DWV Double Quarter Bend.....	233.47	58.28
<i>For Work In Restricted Working Space, Add</i>	34.96	
22 66 53 00-0131 EA 6" Glass Acid Resistant DWV Double Quarter Bend.....	349.11	80.69
<i>For Work In Restricted Working Space, Add</i>	48.42	
22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133 EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee.....	101.45	36.86
<i>For Work In Restricted Working Space, Add</i>	22.11	
22 66 53 00-0134 EA 2" Glass Acid Resistant DWV Sanitary Tee.....	104.45	38.35
<i>For Work In Restricted Working Space, Add</i>	23.01	
22 66 53 00-0135 EA 3" Glass Acid Resistant DWV Sanitary Tee.....	129.05	43.83
<i>For Work In Restricted Working Space, Add</i>	26.30	
22 66 53 00-0136 EA 4" Glass Acid Resistant DWV Sanitary Tee.....	190.79	58.28
<i>For Work In Restricted Working Space, Add</i>	34.96	
22 66 53 00-0137 EA 6" Glass Acid Resistant DWV Sanitary Tee.....	360.28	80.69
<i>For Work In Restricted Working Space, Add</i>	48.41	
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	103.45	37.86
<i>For Work In Restricted Working Space, Add</i>	22.71	
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	119.26	41.34
<i>For Work In Restricted Working Space, Add</i>	24.80	
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	125.06	42.34
<i>For Work In Restricted Working Space, Add</i>	25.40	
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	157.95	51.30
<i>For Work In Restricted Working Space, Add</i>	30.78	
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	163.50	51.80
<i>For Work In Restricted Working Space, Add</i>	31.08	
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	170.59	53.29
<i>For Work In Restricted Working Space, Add</i>	31.98	
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	273.08	66.74
<i>For Work In Restricted Working Space, Add</i>	40.04	
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	290.65	68.24
<i>For Work In Restricted Working Space, Add</i>	40.94	
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee.....	301.41	73.22
<i>For Work In Restricted Working Space, Add</i>	43.93	
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	140.18	48.81
			<i>For Work In Restricted Working Space, Add</i>	29.29	
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee.....	145.15	51.30
			<i>For Work In Restricted Working Space, Add</i>	30.78	
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee.....	180.08	58.77
			<i>For Work In Restricted Working Space, Add</i>	35.26	
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee.....	275.23	77.70
			<i>For Work In Restricted Working Space, Add</i>	46.61	
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee.....	459.60	107.58
			<i>For Work In Restricted Working Space, Add</i>	64.56	
22 66 53 00-0154			Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	143.15	50.30
			<i>For Work In Restricted Working Space, Add</i>	30.18	
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	160.95	53.79
			<i>For Work In Restricted Working Space, Add</i>	32.27	
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	167.98	54.79
			<i>For Work In Restricted Working Space, Add</i>	32.87	
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	227.76	63.25
			<i>For Work In Restricted Working Space, Add</i>	37.96	
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	227.72	64.75
			<i>For Work In Restricted Working Space, Add</i>	38.85	
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	243.14	68.24
			<i>For Work In Restricted Working Space, Add</i>	40.95	
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	311.37	79.69
			<i>For Work In Restricted Working Space, Add</i>	47.81	
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	335.06	83.18
			<i>For Work In Restricted Working Space, Add</i>	49.90	
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee.....	377.89	92.64
			<i>For Work In Restricted Working Space, Add</i>	55.58	
22 66 53 00-0164			Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165	EA		1-1/2" Glass Acid Resistant DWV Tee.....	108.05	36.86
			<i>For Work In Restricted Working Space, Add</i>	22.12	
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee	111.03	38.35
			<i>For Work In Restricted Working Space, Add</i>	23.01	
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee	137.22	43.83
			<i>For Work In Restricted Working Space, Add</i>	26.30	
22 66 53 00-0168	EA		4" Glass Acid Resistant DWV Tee	203.61	58.28
			<i>For Work In Restricted Working Space, Add</i>	34.96	
22 66 53 00-0169	EA		6" Glass Acid Resistant DWV Tee	375.67	80.69
			<i>For Work In Restricted Working Space, Add</i>	48.42	
22 66 53 00-0170			Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	110.02	37.86
			<i>For Work In Restricted Working Space, Add</i>	22.71	
22 66 53 00-0172	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	126.13	41.34
			<i>For Work In Restricted Working Space, Add</i>	24.80	
22 66 53 00-0173	EA		3" x 2" Glass Acid Resistant DWV Reducing Tee	129.11	42.34
			<i>For Work In Restricted Working Space, Add</i>	25.40	
22 66 53 00-0174	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	159.46	51.30
			<i>For Work In Restricted Working Space, Add</i>	30.78	
22 66 53 00-0175	EA		4" x 2" Glass Acid Resistant DWV Reducing Tee	162.79	51.80
			<i>For Work In Restricted Working Space, Add</i>	31.08	
22 66 53 00-0176	EA		4" x 3" Glass Acid Resistant DWV Reducing Tee.....	186.03	53.29
			<i>For Work In Restricted Working Space, Add</i>	31.98	
22 66 53 00-0177	EA		6" x 3" Glass Acid Resistant DWV Reducing Tee	318.85	68.24
			<i>For Work In Restricted Working Space, Add</i>	40.94	
22 66 53 00-0178	EA		6" x 4" Glass Acid Resistant DWV Reducing Tee	334.39	73.22
			<i>For Work In Restricted Working Space, Add</i>	43.92	
22 66 53 00-0179			Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180	EA		1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout.....	119.33	36.86
			<i>For Work In Restricted Working Space, Add</i>	22.12	
22 66 53 00-0181	EA		2" Glass Acid Resistant DWV Test Tee With Cleanout.....	130.16	38.35
			<i>For Work In Restricted Working Space, Add</i>	23.01	
22 66 53 00-0182	EA		3" Glass Acid Resistant DWV Test Tee With Cleanout.....	161.34	43.83
			<i>For Work In Restricted Working Space, Add</i>	26.30	
22 66 53 00-0183	EA		4" Glass Acid Resistant DWV Test Tee With Cleanout.....	258.58	58.28
			<i>For Work In Restricted Working Space, Add</i>	34.96	
22 66 53 00-0184	EA		6" Glass Acid Resistant DWV Test Tee With Cleanout.....	375.67	80.69
			<i>For Work In Restricted Working Space, Add</i>	48.42	
22 66 53 00-0185			Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186	EA		1-1/2" Glass Acid Resistant DWV Wye.....	102.87	36.86
			<i>For Work In Restricted Working Space, Add</i>	22.12	
22 66 53 00-0187	EA		2" Glass Acid Resistant DWV Wye	105.85	38.35
			<i>For Work In Restricted Working Space, Add</i>	23.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	134.68 26.30	43.83
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	197.08 34.96	58.28
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	355.97 48.42	80.69
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	104.84 22.71	37.86
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	122.18 24.80	41.34
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	125.40 25.40	42.34
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	163.60 30.78	51.30
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	165.14 31.08	51.80
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	176.15 31.98	53.29
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	266.95 40.04	66.74
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	299.29 40.94	68.24
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	324.23 43.92	73.22
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	154.37 29.29	48.81
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	159.36 30.78	51.30
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	202.12 35.26	58.77
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	297.73 46.61	77.70
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	471.81 64.58	107.58
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	157.33 30.17	50.30
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	164.32 32.27	53.79
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	181.74 32.87	54.79
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	218.95 37.97	63.25
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	228.86 38.85	64.75
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	260.36 40.94	68.24
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	373.95 47.80	79.69
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	392.00 49.91	83.18
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	423.23 55.59	92.64
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	110.32 22.12	36.86
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	113.61 23.01	38.35
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	139.29 26.30	43.83
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	199.47 34.96	58.28
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	349.25 48.42	80.69
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	112.60 22.71	37.86
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	123.35 24.80	41.34

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	130.10 25.40	42.34
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	160.77 30.78	51.30
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	165.75 31.08	51.80
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	176.86 31.98	53.29
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	267.38 40.04	66.74
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	295.20 40.94	68.24
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	305.42 43.92	73.22
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	147.32 29.29	48.81
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	165.29 30.78	51.30
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	211.05 35.26	58.77
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	318.51 46.61	77.70
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	504.99 64.58	107.58
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	151.36 30.17	50.30
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	180.97 32.27	53.79
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	180.23 32.87	54.79
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	230.51 37.97	63.25
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	230.69 38.85	64.75
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	253.82 40.94	68.24
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	343.65 47.80	79.69
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	364.26 49.91	83.18
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	419.93 55.59	92.64
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	160.77 30.17	50.30
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	162.80 30.78	51.30
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	168.54 29.88	49.81
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	143.97 22.12	36.86
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	156.12 23.01	38.35
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	179.30 26.30	43.83
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	256.37 34.96	58.28
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	449.50 48.42	80.69
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	145.66 22.71	37.86
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	164.21 24.80	41.34
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	173.03 25.40	42.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	203.09 30.78	51.30
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	212.21 31.08	51.80
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	229.15 31.98	53.29
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	320.78 40.94	68.24
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	360.44 43.92	73.22
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.86 1.20 14.94	24.91
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.13 1.79 16.14	26.90
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.81 2.00 16.44	27.40
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.70 2.80 19.13	31.87
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.85 2.97 19.43	32.38
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.85 3.21 20.32	33.87
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.26 8.12 23.61	39.34
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.70 8.64 23.91	39.85
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.07 9.23 24.80	41.34
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.37 9.50 27.79	46.32
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	126.66 22.11	36.86
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	133.69 22.71	37.86
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	145.27 23.01	38.35
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	133.52 22.11	36.86
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	142.43 22.71	37.86
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	155.14 23.01	38.35
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	135.40 22.11	36.86
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	142.43 22.71	37.86
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	155.14 23.01	38.35
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	156.75 22.11	36.86
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	187.15 22.71	37.86
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	191.91 23.01	38.35
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	168.17 22.11	36.86
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	176.85 22.71	37.86
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	194.12 23.01	38.35
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	31.92 7.47	12.45
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	34.74 7.77	12.95
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	41.54 8.67	14.45
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	61.61 11.66	19.43
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	87.03 16.14	26.90
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	298.45 29.29	48.81
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	37.93 7.47	12.45
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	40.43 7.47	12.45
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	65.23 14.94	24.91
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	103.29 15.54	25.90
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	104.23 15.54	25.90
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	113.63 15.54	25.90
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	98.21 15.54	25.90
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	108.40 22.05	36.76
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	113.35 23.13	38.55
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	145.72 26.36	43.93
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	202.74 34.99	58.38
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	11.80	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	14.89	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.91	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	33.54	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	78.13	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	15.22	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.04	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	32.33	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	48.20	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	117.52	
22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	65.97	8.87
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	92.04	11.06
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	123.93	12.75
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	200.84	17.36
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	350.46	23.29
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	613.32	29.37
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,086.69	39.56
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,921.84	45.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	286.60	75.51
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	365.70	83.08
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	573.68	99.42
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	831.65	114.64
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,869.78	187.13
22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	184.95	75.51
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	232.16	83.08
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	288.65	99.42
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	674.18	114.64
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,490.47	187.13
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,235.92	233.14
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,249.80	280.37
22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	184.95	75.51
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	232.16	83.08
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	288.65	99.42
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	510.73	114.64
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,279.18	187.13
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,847.53	233.14
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,592.33	280.37
22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	184.95	75.51
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	232.16	83.08
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	288.42	99.32
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	236.77	75.51
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	389.62	83.08
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	440.14	99.42
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	265.09	112.96
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	323.28	125.22
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	435.48	149.52
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	676.87	172.28
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,938.08	280.93
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,725.44	350.79
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	250.08	108.28
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	285.95	116.25
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	313.96	120.33
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	356.70	132.89
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	378.99	137.07
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	410.88	141.16
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	492.93	149.08
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	540.23	152.91
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	598.60	159.95
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	292.94	112.96
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	346.71	124.92
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	461.36	149.52
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	277.95	108.28
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	338.72	120.94
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	403.49	137.47
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	429.44	141.55

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0396 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	263.30	113.16
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	345.21	125.22
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	435.30	149.42
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	679.86	171.64
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	2,388.12	280.65
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	265.99	108.28
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	285.90	116.25
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	301.06	121.04
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	334.77	132.89
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	347.34	137.26
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	403.53	141.55
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	514.82	149.26
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	598.03	152.91
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	624.51	159.95
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,437.76	226.41
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,546.63	233.89
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,869.46	245.86
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	300.85	112.96
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	352.69	124.92
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	501.22	149.52
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	732.01	171.82
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	258.02	108.28
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	293.88	116.25
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	320.78	120.94
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	348.72	132.89
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	393.53	137.47
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	437.37	141.46
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	540.67	149.26
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	655.91	153.00
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	714.59	160.22
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	162.42	71.13
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	176.34	75.11
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	194.29	79.09
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	288.95	87.67
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	302.92	91.75
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	322.82	95.64
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	407.51	102.95
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	587.11	140.38
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	626.88	152.25
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	420.46	166.06
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	524.11	166.06
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	533.41	166.06
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	608.73	213.29
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	404.20	75.51
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	483.31	83.08
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	587.64	99.42
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,624.96	114.64
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	222.82	75.51
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	274.01	83.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	368.38	99.42
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	462.56	114.64
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	865.73	159.95
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
<small>Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.</small>		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	36.54	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<small>Note: ASTM A518.</small>		
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	52.12	6.68
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	59.21	7.37
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	81.17	9.26
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	101.78	10.76
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	208.89	52.90
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	227.19	59.76
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	302.14	65.95
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	364.71	79.69
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	131.15	52.90
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	154.50	59.17
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	192.85	66.15
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	248.20	79.09
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	149.57	55.88
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	131.15	52.90
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	154.50	59.17
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	192.85	66.15
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	248.20	79.09
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	149.09	52.90
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	182.40	59.17
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	266.60	66.15
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	302.02	79.09
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	145.11	52.90
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	170.44	59.17
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	248.66	66.15
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	284.08	79.09
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	219.00	79.59
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	187.11	79.59
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	226.10	89.66
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	287.32	99.91
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	416.50	119.64

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	213.07	86.27
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	253.06	93.04
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	267.95	96.32
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	288.86	106.29
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	313.36	109.27
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	336.27	112.56
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	187.50	79.89
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	218.13	89.66
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	279.35	99.91
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	416.50	119.64
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	207.76	86.76
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	247.06	92.94
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	258.43	96.62
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	289.35	106.59
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	314.26	109.88
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	330.70	112.86
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	273.13	106.39
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	338.90	119.74
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	421.84	132.49
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	541.79	159.28
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	298.53	112.66
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	330.40	119.34
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	384.19	125.91
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	424.29	139.46
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	498.69	146.53
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	296.97	106.39
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	346.64	119.54
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	474.79	133.18
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	647.69	159.49
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	318.40	112.66
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	400.12	119.34
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	421.98	125.91
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	454.14	139.36
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	559.71	145.93
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	202.66	79.29
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	234.07	89.66
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	279.35	99.91
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	438.42	119.64
22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	223.11	86.37
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	247.45	93.24
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	266.40	96.62
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	347.16	106.59
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	356.12	109.88
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	392.49	112.86
22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	310.71	106.19
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	382.43	119.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	527.90	132.79
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	634.23	159.79
22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	336.34	112.66
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	394.11	119.24
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	412.01	125.91
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	458.13	139.36
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	559.71	145.93
22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	150.41	56.49
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	167.35	59.76
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	196.24	69.73
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	222.90	66.24
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	235.84	69.53
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	248.78	72.82
22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	135.51	46.52
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	156.61	52.60
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	182.93	59.57
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	312.07	72.52
22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	63.59	26.49
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	74.26	29.59
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	81.48	33.07
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	103.17	39.54
22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	228.36	52.60
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	238.21	59.17
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	290.52	66.15
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	367.80	79.09
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	308.00	56.58
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	415.64	63.15
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	499.17	69.73
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	618.83	83.08
22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	402.95	60.07
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	619.86	66.44
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	418.55	59.76
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	619.86	66.44
22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	376.69	59.76
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	440.47	66.44
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	430.51	59.76
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	908.88	66.44
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	556.08	66.44
22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	173.37	53.20
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	221.21	59.76

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0600			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	95.64	39.85
22 66 53 00-0602	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	158.43	43.23
22 66 53 00-0603	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	126.54	49.81
22 66 53 00-0604			Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	168.75	56.68
22 66 53 00-0606	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	183.29	59.76
22 66 53 00-0607	EA		1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	202.22	63.05
22 66 53 00-0608	EA		1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	217.91	69.53
22 66 53 00-0609	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	202.27	63.15
22 66 53 00-0610	EA		2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	213.18	66.44
22 66 53 00-0611	EA		2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	230.84	72.82
22 66 53 00-0612	EA		3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	254.09	69.73
22 66 53 00-0613	EA		4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	311.89	83.08
22 66 53 00-0614			Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615	EA		1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	47.84	
22 66 53 00-0616	EA		2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	55.81	
22 66 53 00-0617	EA		3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	59.80	
22 66 53 00-0618	EA		4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.78	
22 66 53 00-0619			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0620	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	368.74	26.59
22 66 53 00-0621	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	141.51	13.25
22 66 53 00-0622	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	257.12	13.25
22 66 53 00-0623			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,343.36	132.89
22 66 53 00-0625	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,644.32	139.56
22 66 53 00-0626	EA		Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,060.39	13.25
22 66 83			Chemical-Waste Tanks <small>(22 66)</small>		
22 66 83 16			Chemical-Waste Neutralization Tanks <small>(22 66 83)</small>		
22 66 83 16-0001			Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002			Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003	EA		5 Gallon Capacity Polyethylene Acid Neutralization Tank	407.75	202.93
22 66 83 16-0004	EA		15 Gallon Capacity Polyethylene Acid Neutralization Tank	693.16	281.40
22 66 83 16-0005	EA		30 Gallon Capacity Polyethylene Acid Neutralization Tank	890.95	405.86
22 66 83 16-0006	EA		55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,154.12	541.14
22 66 83 16-0007	EA		100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,457.99	649.37
22 66 83 16-0008	EA		150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,952.23	811.72
22 66 83 16-0009	EA		200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,295.97	1,014.65
22 66 83 16-0010	EA		275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,926.63	1,217.58
22 66 83 16-0011	EA		350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,365.62	1,461.09
22 66 83 16-0012			Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013	EA		5 Gallon Capacity Polypropylene Acid Neutralization Tank	599.80	202.93
22 66 83 16-0014	EA		15 Gallon Capacity Polypropylene Acid Neutralization Tank	997.24	281.40
22 66 83 16-0015	EA		30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,566.34	405.86
22 66 83 16-0016	EA		55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,067.06	541.14
22 66 83 16-0017	EA		100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,596.93	649.37
22 66 83 16-0018	EA		150 Gallon Capacity Polypropylene Acid Neutralization Tank	2,987.92	811.72
22 66 83 16-0019	EA		200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,327.09	1,014.65
22 66 83 16-0020	EA		275 Gallon Capacity Polypropylene Acid Neutralization Tank	4,727.09	1,217.58
22 66 83 16-0021	EA		350 Gallon Capacity Polypropylene Acid Neutralization Tank	5,190.09	1,461.09
22 66 83 16-0022			Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023	EA		1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	320.90	67.64
			Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024	EA		1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	329.35	67.64
			Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025	EA		2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	337.80	67.64
			Note: 1-1/2" top inlet and side outlet with anti siphon.		



Plumbing	22	22
Gas and Vacuum Systems For Laboratory And Healthcare Facilities	22 60	
Chemical-Waste Systems for Laboratory and Healthcare Facilities	22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	376.03	81.17

END OF SECTION 22

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 00-0001 Purge Gas Systems ^(23 01 10)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 00-0022 for refrigerant.

23 01 10 00-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	499.61
23 01 10 00-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	713.33
23 01 10 00-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	748.07
23 01 10 00-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	823.85
23 01 10 00-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,491.57
23 01 10 00-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	670.03
23 01 10 00-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	960.65
23 01 10 00-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,011.86
23 01 10 00-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,123.32
23 01 10 00-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,038.50
23 01 10 00-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	783.54
23 01 10 00-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,140.54
23 01 10 00-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,518.48
23 01 10 00-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,910.07
23 01 10 00-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	7,335.08

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 00-0001 Special Cleaning Of Piping Systems ^(23 01 20)

23 01 20 00-0002 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0003	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.16
23 01 20 00-0004	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	3.56
23 01 20 00-0005	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	4.97
23 01 20 00-0006	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	6.42
23 01 20 00-0007	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	8.93

23 01 20 00-0008 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0009	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.28
23 01 20 00-0010	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	3.71
23 01 20 00-0011	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	5.18
23 01 20 00-0012	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	6.74
23 01 20 00-0013	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	9.36

23 01 20 00-0014 Drewspense 4945/4395 Pipe Disinfection/Flush/Testing ^(23 01 20 00-0001)

23 01 20 00-0015	LF	Up To 1", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing.....	2.31
23 01 20 00-0016	LF	>1" To 2", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing.....	3.77
23 01 20 00-0017	LF	>2" To 3", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing.....	5.27
23 01 20 00-0018	LF	>3" To 4", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing.....	6.86
23 01 20 00-0019	LF	>4" To 6", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing.....	9.52

23 01 20 00-0020 Lock Out/Tag Out System ^(23 01 20)

23 01 20 00-0021	EA	Up To 1", Lock Out/Tag Out Valve.....	27.06
23 01 20 00-0022	EA	>1" To 3", Lock Out/Tag Out Valve.....	32.47
23 01 20 00-0023	EA	>3" To 6", Lock Out/Tag Out Valve.....	37.88
23 01 20 00-0024	EA	>6" To 10", Lock Out/Tag Out Valve.....	43.29
23 01 20 00-0025	EA	>10" To 14", Lock Out/Tag Out Valve.....	54.11
23 01 20 00-0026	EA	Lock Out/Tag Out Padlock System.....	21.65
23 01 20 00-0027	EA	Lock Out/Tag Out Tag.....	3.25

23 01 20 00-0028 Freeze Pipe Using CO2 Kit ^(23 01 20)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0029	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	135.04
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23 01 20 00-0030 Freeze Pipe Using Nitrogen ^(23 01 20)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 00-0031	EA	Up To 4" Pipe Freezing Using Nitrogen.....	1,295.53
		Note: For each location. Includes freezing on each side of valve or fitting.	
23 01 20 00-0032	EA	>4" To 12" Pipe Freezing Using Nitrogen.....	2,591.04
		Note: For each location. Includes freezing on each side of valve or fitting.	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 00-0033	Water/Chlorine Pipe Disinfection/Flush/Testing <small>(23 01 20)</small>	
	Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".	
23 01 20 00-0034	LF Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.76
23 01 20 00-0035	LF >1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.39
23 01 20 00-0036	LF >2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	3.67
23 01 20 00-0037	LF 4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	5.02
23 01 20 00-0038	LF 6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	6.14
23 01 20 00-0039	LF 8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	7.74
23 01 20 00-0040	LF 10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	10.22
23 01 20 00-0041	LF 12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	12.27

23 01 20 00-0042	Shut Down Existing Piping System <small>(23 01 20)</small>	
23 01 20 00-0043	EA Shut Down Existing Interior Piping System.....	214.14
	Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	

23 01 20 00-0044	Purge Liquid Systems <small>(23 01 20)</small>	
	Note: Includes collection and refilling/bleeding of system.	
23 01 20 00-0045	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	356.22
23 01 20 00-0046	EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	508.75
23 01 20 00-0047	EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	609.58
23 01 20 00-0048	EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	644.42
23 01 20 00-0049	EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	1,230.24
23 01 20 00-0050	EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	474.16
23 01 20 00-0051	EA >100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	676.63
23 01 20 00-0052	EA >250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	805.52
23 01 20 00-0053	EA >500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	856.49
23 01 20 00-0054	EA >1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,650.32
23 01 20 00-0055	EA Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System.....	584.57
23 01 20 00-0056	EA >100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	835.35
23 01 20 00-0057	EA >250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	2,190.49
23 01 20 00-0058	EA >1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	3,476.22

23 01 20 00-0059	Add-A-Valve Emergency Shut Off Device <small>(23 01 20)</small>	
23 01 20 00-0060	EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	217.84
23 01 20 00-0061	EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	273.07
23 01 20 00-0062	EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	373.07
23 01 20 00-0063	EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	559.79
23 01 20 00-0064	EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	687.60
23 01 20 00-0065	EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	1,023.80

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning** (23 01 30)**23 01 30 51-0001 Special Cleaning Of Ductwork** (23 01 30 51)

Note: Includes sealing registers, grilles, diffusers as required.

23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork.....	3.43
	<i>For Exhaust Ductwork, Add</i>	0.86
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork.....	4.29
	<i>For Exhaust Ductwork, Add</i>	1.07
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork.....	5.74
	<i>For Exhaust Ductwork, Add</i>	1.44
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork.....	8.11
	<i>For Exhaust Ductwork, Add</i>	2.03
23 01 30 51-0006	SF Clean Duct Dampers.....	11.58
23 01 30 51-0007	SF Clean Duct Fire Dampers.....	23.15
23 01 30 51-0008	SF Clean Louver.....	9.27
23 01 30 51-0009	EA Clean Turning Vane Set.....	27.79
23 01 30 51-0010	EA Clean Grille/Diffuser/Register.....	27.79
	Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF Clean Linear Diffuser.....	6.94
	Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors.....	85.01
	<i>For Stainless Steel, Add</i>	45.00
23 01 30 51-0013	EA Clean Variable Air Volume (VAV) Unit.....	83.37
23 01 30 51-0014	EA Clean Fan Powered Induction Unit (PIU) Unit.....	111.16
23 01 30 51-0015	EA Clean Fan Coil Unit (FCU) Unit.....	111.16
23 01 30 51-0016	EA Clean Supply Or Return Fan.....	222.32
23 01 30 51-0017	EA Clean Exhaust Fan.....	194.53
23 01 30 51-0018	EA Clean Duct Coil.....	166.73
23 01 30 51-0019	SF Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	5.56
	Note: Excluding fan and coils.	
23 01 30 51-0020	EA Clean Air Handling Unit Fan.....	222.32
23 01 30 51-0021	EA Clean Air Handling Unit Coil.....	333.48
23 01 30 51-0022	SF Clean Equipment Surfaces, Rust Reform And Prime.....	2.68
23 01 30 51-0023	SF Clean Interior Equipment Surfaces, Rust Reform And Prime.....	3.24



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0024	SF			HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.50	
23 01 30 51-0025	EA			Cleaning Of Ductwork Minimum Set-up Charge	765.19	
				Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026	SF			Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.44	
23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)						
23 01 50 00-0001 Boiler And Chiller Water Treatment (23 01 50)						
				Note: 3 LB chemical per 50 gallon system water.		
23 01 50 00-0002	LB			Boil Out Boiler And System With Caustic Soda	0.84	
				Note: Includes disposal after treatment.		
23 01 50 00-0003	LB			Boil Out Boiler And System With Trisodium Phosphate.....	1.26	
				Note: Includes disposal after treatment.		
23 01 50 00-0004	GAL			Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	79.04	
23 01 50 00-0005 Boiler Repairs (23 01 50)						
23 01 50 00-0006 Setup And Maintenance (23 01 50 00-0005)						
23 01 50 00-0007	EA			Set-up Charge For Boiler Fire Side Maintenance	2,262.25	
				Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 00-0008	EA			Close-up Charge For Boiler Fire Side Maintenance	2,380.33	
				Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
				<i>For Burner Seals, Add</i>	626.23	
				Note: Used when burner must be removed from door for maintenance.		
23 01 50 00-0009	EA			Setup Charge For Boiler Water Side Maintenance	3,016.34	
				Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 00-0010	EA			Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,508.17	
				Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 00-0011	EA			>100 HP, Hydrostatic Test - Boiler Maintenance	3,016.34	
				Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 00-0012	EA			Remove And Replace Handhole.....	94.26	
23 01 50 00-0013	EA			Remove And Replace Manhole	282.79	
23 01 50 00-0014	SF			Sheet Metal Jacket Patch	11.26	
23 01 50 00-0015 Boiler Tube Replacement (23 01 50 00-0005)						
23 01 50 00-0016	EA			Remove Up To 2" Boiler Tube	226.22	
23 01 50 00-0017	EA			Remove >2" To 3" Boiler Tube	282.79	
23 01 50 00-0018	EA			Remove >3" To 4" Boiler Tube	395.88	
23 01 50 00-0019	LF			Place 1-1/2" Boiler Tube Into Position For Termination	5.84	
23 01 50 00-0020	LF			Place 2" Boiler Tube Into Position For Termination	6.71	
23 01 50 00-0021	LF			Place 2-1/2" Boiler Tube Into Position For Termination	7.60	
23 01 50 00-0022	LF			Place 3" Boiler Tube Into Position For Termination	10.33	
23 01 50 00-0023	LF			Place 3-1/2" Boiler Tube Into Position For Termination	11.95	
23 01 50 00-0024	LF			Place 4" Boiler Tube Into Position For Termination	14.92	
23 01 50 00-0025	EA			1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	28.28	
23 01 50 00-0026	EA			2" Rolled Boiler Tube Termination (2 Per New Tube).....	42.42	
23 01 50 00-0027	EA			2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	56.56	
23 01 50 00-0028	EA			3" Rolled Boiler Tube Termination (2 Per New Tube).....	70.70	
23 01 50 00-0029	EA			3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	84.84	
23 01 50 00-0030	EA			4" Rolled Boiler Tube Termination (2 Per New Tube).....	98.98	
23 01 50 00-0031	EA			1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	84.84	
23 01 50 00-0032	EA			2" Welded Boiler Tube Termination (2 Per New Tube).....	113.12	
23 01 50 00-0033	EA			2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	141.39	
23 01 50 00-0034	EA			3" Welded Boiler Tube Termination (2 Per New Tube).....	169.67	
23 01 50 00-0035	EA			3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	197.95	
23 01 50 00-0036	EA			4" Welded Boiler Tube Termination (2 Per New Tube).....	226.22	
23 01 50 00-0037	EA			Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	232.44	
23 01 50 00-0038 Cast Iron Boiler Section Replacement (23 01 50 00-0005)						
23 01 50 00-0039	EA			Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,362.87	
23 01 50 00-0040	EA			Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,585.68	
23 01 50 00-0041	EA			Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,071.81	
23 01 50 00-0042	EA			Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,276.57	
23 01 50 00-0043	EA			Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,077.31	
23 01 50 00-0044	EA			Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,719.86	
23 01 50 00-0045	EA			Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,843.55	
23 01 50 00-0046	EA			Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler	5,205.90	
23 01 50 00-0047	EA			Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,785.80	
23 01 50 00-0048 Cast Iron Grate Replacement (23 01 50 00-0005)						
23 01 50 00-0049	SF			Replace Cast Iron Boiler Grates, Prepared From Casting Mold	112.29	
				Note: Includes support, linkages and removal of existing.		
23 01 50 00-0050	EA			Prepare Cast Iron Boiler Grate Mold.....	1,544.88	
				Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 01 50 00-0051****Replacement Or Conversion Of Boiler Burners (23 01 50 00-0051)**

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 00-0052	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	6,120.06	1,062.26
23 01 50 00-0053	EA	2100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	8,679.86	1,315.16
23 01 50 00-0054	EA	2800 MBH Max Input Burner With 3" Boiler Connection, Screwed	10,280.18	1,593.29
23 01 50 00-0055	EA	3800 MBH Max Input Burner With 4" Boiler Connection, Flanged	12,010.95	1,713.87

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 00-0001****Cooling Tower Repairs (23 01 60)**

23 01 60 00-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	1,838.16	
23 01 60 00-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,152.18	
23 01 60 00-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,463.90	
23 01 60 00-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	2,895.97	
23 01 60 00-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,183.63	
23 01 60 00-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	2,041.56	
23 01 60 00-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,261.60	
23 01 60 00-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	2,639.79	
23 01 60 00-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	2,995.07	
23 01 60 00-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,289.61	
23 01 60 00-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	502.51	
23 01 60 00-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	525.08	
23 01 60 00-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	563.71	
23 01 60 00-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	656.19	
23 01 60 00-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	809.41	
23 01 60 00-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,085.25	
23 01 60 00-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,143.36	
23 01 60 00-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,230.51	
23 01 60 00-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	31.88	
23 01 60 00-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	21.35	

23 01 60 00-0022**Refrigerant Recovery, Reclaim And Recycling (23 01 60)**

23 01 60 00-0023	LB	Recovery Of Refrigerant	8.48	
23 01 60 00-0024	LB	Recovery And Recharging Of Refrigerant.....	15.90	

Note: Includes cleaning refrigerant gas prior to recharging.

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001**Premium Efficient, Motors (23 05 13)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002**Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003**Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)**

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	374.10	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	423.60	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	417.11	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	443.08	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	581.03	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	490.15	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	474.73	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	594.02	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	496.64	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	512.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	756.32	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	542.08	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	560.75	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	990.84	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	860.19	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	824.48	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,188.04	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	983.54	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	998.14	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,545.91	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,397.40	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,413.63	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,084.74	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,641.66	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,774.75	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,537.56	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,971.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0032	EA		25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,163.46	
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,065.04	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,325.76	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,365.52	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,197.31	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,996.87	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,086.13	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,263.85	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,405.87	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,129.72	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,287.97	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,417.57	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,263.39	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,790.86	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,123.58	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,267.79	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,512.06	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,965.45	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)					
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	4,554.95	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	5,514.14	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,000.81	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,794.46	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,579.18	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,264.90	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,344.65	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,911.43	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,159.98	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,427.78	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,343.26	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)					
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)					
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	437.40	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	482.03	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	573.73	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	495.83	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	500.70	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	542.89	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	519.36	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	602.13	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	573.73	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	921.05	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	667.86	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	628.10	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,040.34	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,000.58	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	905.63	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,014.38	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,022.49	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)					
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	624.04	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	698.70	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	658.94	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	646.77	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	831.79	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	693.02	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	677.60	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	844.77	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	748.20	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	769.30	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,052.52	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	921.05	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	770.11	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,221.31	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,066.31	
23 05 13 00-0097	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,027.36	
23 05 13 00-0098	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,741.48	
23 05 13 00-0099	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,249.71	
23 05 13 00-0100	EA		10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,152.33	
23 05 13 00-0101	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,988.18	
23 05 13 00-0102	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,722.00	
23 05 13 00-0103	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,575.93	
23 05 13 00-0104	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,651.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,889.98	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,911.08	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,530.84	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,466.15	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,499.42	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,995.01	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,930.33	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,965.22	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,615.00	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,016.92	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,877.35	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,751.10	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,394.27	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,237.65	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,949.69	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,173.08	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,097.61	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,435.54	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,181.78	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,129.84	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,823.21	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,854.28	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,961.74	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,609.09	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,846.97	

23 05 13 00-0130**Premium Efficient, Severe Duty Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	648.39	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	712.50	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	787.16	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,106.07	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	737.65	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	726.29	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	921.05	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,376.30	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	771.74	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	757.94	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	933.22	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,735.80	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	912.94	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	959.19	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,347.09	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,882.68	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,123.12	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	976.23	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,364.94	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,996.87	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,465.57	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,229.42	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,953.28	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,426.96	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,560.51	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,472.06	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,537.56	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,997.45	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,996.29	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,875.38	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,909.23	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,336.42	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,329.00	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,011.71	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,952.82	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,083.82	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,798.86	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,632.51	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,130.54	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,412.36	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,125.90	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,325.06	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,688.04	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,089.96	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,637.26	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,912.82	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,800.83	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,069.79	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,129.84	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,434.38	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,656.85	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,970.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0183	EA			75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,518.55	
23 05 13 00-0184	EA			75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,752.95	
23 05 13 00-0185	EA			100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,018.78	
23 05 13 00-0186	EA			100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,869.46	
23 05 13 00-0187	EA			100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,927.20	
23 05 13 00-0188	EA			125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,772.43	
23 05 13 00-0189	EA			125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,667.75	
23 05 13 00-0190	EA			125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,603.75	
23 05 13 00-0191	EA			150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,801.18	
23 05 13 00-0192	EA			150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,668.91	
23 05 13 00-0193	EA			150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,465.34	
23 05 13 00-0194	EA			200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,342.80	
23 05 13 00-0195	EA			200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,443.42	
23 05 13 00-0196	EA			200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,568.05	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)						
Note: NEMA premium efficiency, explosion proof, three phase AC motors.						
23 05 13 00-0198	EA			1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	865.06	
23 05 13 00-0199	EA			1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	895.90	
23 05 13 00-0200	EA			2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	977.05	
23 05 13 00-0201	EA			3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,207.51	
23 05 13 00-0202	EA			5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,338.98	
23 05 13 00-0203	EA			7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,845.35	
23 05 13 00-0204	EA			10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,883.49	
23 05 13 00-0205	EA			15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,549.73	
23 05 13 00-0206	EA			20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,906.79	
23 05 13 00-0207	EA			25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,818.92	
23 05 13 00-0208	EA			30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,286.34	
23 05 13 00-0209	EA			40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,605.03	
23 05 13 00-0210	EA			50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,312.66	
23 05 13 00-0211	EA			60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,830.74	
23 05 13 00-0212	EA			75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,366.91	
23 05 13 00-0213	EA			100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,628.56	
23 05 13 00-0214	EA			125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,505.91	
23 05 13 00-0215	EA			150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,833.29	
23 05 13 00-0216 Motor Mounting (23 05 13)						
Note: Includes handling and motor installation on mounting base. Excludes mounting base.						
23 05 13 00-0217	EA			1/2 HP Motor Mounting.....	157.67	80.23
23 05 13 00-0218	EA			3/4 HP Motor Mounting.....	181.67	100.29
23 05 13 00-0219	EA			1 HP Motor Mounting.....	194.34	100.29
23 05 13 00-0220	EA			1-1/2 HP Motor Mounting.....	208.92	100.29
23 05 13 00-0221	EA			2 HP Motor Mounting.....	225.86	120.33
23 05 13 00-0222	EA			3 HP Motor Mounting.....	261.15	120.33
23 05 13 00-0223	EA			5 HP Motor Mounting.....	309.51	200.56
23 05 13 00-0224	EA			7-1/2 HP Motor Mounting.....	397.95	200.56
23 05 13 00-0225	EA			10 HP Motor Mounting.....	522.30	350.99
23 05 13 00-0226	EA			15 HP Motor Mounting.....	642.83	350.99
23 05 13 00-0227	EA			20 HP Motor Mounting.....	759.71	501.41
23 05 13 00-0228	EA			25 HP Motor Mounting.....	861.52	501.41
23 05 13 00-0229	EA			30 HP Motor Mounting.....	1,044.59	501.41
23 05 13 00-0230	EA			40 HP Motor Mounting.....	1,177.01	752.11
23 05 13 00-0231	EA			50 HP Motor Mounting.....	1,305.75	752.11
23 05 13 00-0232	EA			75 HP Motor Mounting.....	1,576.75	1,103.09
23 05 13 00-0233	EA			100 HP Motor Mounting.....	1,899.26	1,103.09
23 05 13 00-0234	EA			125 HP Motor Mounting.....	2,321.32	1,504.22
23 05 13 00-0235	EA			150 HP Motor Mounting.....	2,695.74	1,504.22
23 05 13 00-0236	EA			200 HP Motor Mounting.....	3,095.09	1,805.06
23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)						
23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)						
Note: Includes internal sleeves and external covers.						
23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)						
Note: Carbon steel ends. Includes internal sleeves and external covers.						
23 05 16 00-0003	EA			1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	197.97	87.26
				<i>For 300 LB Rating, Add</i>	5.84	
23 05 16 00-0004	EA			3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	222.27	98.41
				<i>For 300 LB Rating, Add</i>	6.39	
23 05 16 00-0005	EA			1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	258.89	112.81
				<i>For 300 LB Rating, Add</i>	8.34	
23 05 16 00-0006	EA			1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	291.56	125.91
				<i>For 300 LB Rating, Add</i>	10.01	
23 05 16 00-0007	EA			1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	315.09	135.33
				<i>For 300 LB Rating, Add</i>	11.11	
23 05 16 00-0008	EA			2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	365.08	159.25
				<i>For 300 LB Rating, Add</i>	11.67	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	694.40	79.72
For 300 LB Rating, Add	133.75	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	730.73	80.32
For 300 LB Rating, Add	142.50	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	736.18	83.11
For 300 LB Rating, Add	142.52	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	793.52	90.59
For 300 LB Rating, Add	153.08	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	874.62	106.53
For 300 LB Rating, Add	165.42	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,137.43	211.97
For 300 LB Rating, Add	178.43	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,476.28	206.33
For 300 LB Rating, Add	266.04	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,368.24	228.44
For 300 LB Rating, Add	227.84	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,702.17	261.05
For 300 LB Rating, Add	295.33	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,166.43	319.81
For 300 LB Rating, Add	382.02	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,848.93	387.61
For 300 LB Rating, Add	518.17	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,505.83	394.74
For 300 LB Rating, Add	679.04	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,676.34	493.43
For 300 LB Rating, Add	923.08	
23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	668.80	119.59
For 300 LB Rating, Add	107.43	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	698.99	120.58
For 300 LB Rating, Add	114.45	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	707.27	124.57
For 300 LB Rating, Add	114.47	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	763.79	135.83
For 300 LB Rating, Add	122.95	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	852.36	159.75
For 300 LB Rating, Add	133.14	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,208.81	318.10
For 300 LB Rating, Add	143.32	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,472.12	309.49
For 300 LB Rating, Add	213.68	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,416.83	342.66
For 300 LB Rating, Add	183.00	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,730.75	391.54
For 300 LB Rating, Add	237.20	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,184.86	479.72
For 300 LB Rating, Add	306.84	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,827.70	581.51
For 300 LB Rating, Add	416.19	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,450.57	592.11
For 300 LB Rating, Add	566.52	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,561.07	740.14
For 300 LB Rating, Add	770.12	
23 05 19 Meters And Gages For HVAC Piping (23 05)		
23 05 19 00-0001 Thermometers (23 05 19)		
23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0003 EA 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	99.70	34.65
23 05 19 00-0004 EA 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	115.02	34.65
23 05 19 00-0005 EA 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	115.02	34.65
23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0007 EA 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	130.34	34.65
23 05 19 00-0008 EA 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	130.34	34.65
23 05 19 00-0009 EA 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	162.38	34.65
23 05 19 00-0010 EA 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	134.52	34.65
23 05 19 00-0011 EA 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	141.48	34.65
23 05 19 00-0012 EA 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	166.55	34.65
23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001) Note: Various ranges. Socket connection for thermowell.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0014 EA 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	130.34	34.65
23 05 19 00-0015 EA 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	130.34	34.65
23 05 19 00-0016 EA 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	162.38	34.65
23 05 19 00-0017 EA 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	148.45	34.65
23 05 19 00-0018 EA 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	162.38	34.65
23 05 19 00-0019 EA 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	165.93	34.65
23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)		
23 05 19 00-0021 EA 4" Long, 1" NPT, 304 Stainless Steel Thermowell	157.74	64.96
23 05 19 00-0022 EA 8" Long, 1" NPT, 304 Stainless Steel Thermowell	157.68	64.96
23 05 19 00-0023 Pressure Gauges (23 05 19)		
23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0025 EA 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	35.98	13.53
23 05 19 00-0026 EA 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	44.20	13.53
23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0028 EA 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	99.52	13.53
23 05 19 00-0029 EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	99.52	13.53
23 05 19 00-0030 EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	124.13	13.53
23 05 19 00-0031 EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	269.04	13.53
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
Note: Liquid filled.		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	85.59	13.53
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	179.17	13.53
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	276.39	13.53
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	276.39	13.53
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	276.39	13.53
23 05 19 00-0039 Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	54.63	10.83
23 05 19 00-0041 EA 1/4" Snubber Valve	40.77	10.83
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock	26.86	16.24
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock	24.93	16.24
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon	25.82	16.24
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple	5.99	5.41
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let	65.31	27.07
23 05 19 00-0047 EA 1/4" Black Steel Union	34.98	10.83
23 05 19 00-0048 EA 1/4" Black Steel Coupling	29.24	10.83
23 05 19 00-0049 EA 1/4" Black Steel Plug	18.20	6.49
23 05 19 00-0050 EA 1/4" Black Steel Cap	20.23	6.49
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded, Black Steel Pipe	6.57	
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	6.41	
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded, Galvanized Steel Pipe	7.16	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve	64.60	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover	56.44	16.57
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter	171.38	73.61
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter	194.27	88.34
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter	214.79	98.20
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter	241.94	110.42
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter	284.29	126.24
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter	378.21	158.50
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0066 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	606.53 995.00 106.46	151.18
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	798.83 995.00 152.60	181.41
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,031.48 995.00 202.28	226.77
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,273.92 995.00 234.22	302.35
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,749.73 995.00 358.43	362.83
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,661.19 995.00 613.94	453.53
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	3,830.99 995.00 929.79	587.23
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	5,452.44 995.00 1,291.76	880.84
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	7,686.20 995.00 2,005.07	978.71
23 05 19 00-0075 Turbine Flowmeter <small>(23 05 19)</small>		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter	392.33	81.20
23 05 19 00-0077 Sight Flow Indicator <small>(23 05 19)</small>		
23 05 19 00-0078 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0079 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	100.51	15.76
23 05 19 00-0080 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	105.08	16.58
23 05 19 00-0081 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	113.26	17.43
23 05 19 00-0082 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	130.08	23.49
23 05 19 00-0083 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	155.77	28.46
23 05 19 00-0084 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	179.74	36.04
23 05 19 00-0085 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	246.95	41.67
23 05 19 00-0086 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	276.12	49.24
23 05 19 00-0087 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0088 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	126.82	15.76
23 05 19 00-0089 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	130.81	16.58
23 05 19 00-0090 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	140.74	17.43
23 05 19 00-0091 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	153.47	23.49
23 05 19 00-0092 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	165.70	28.46
23 05 19 00-0093 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	183.83	36.04
23 05 19 00-0094 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	326.46	41.67
23 05 19 00-0095 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	353.30	49.24
23 05 19 00-0096 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0097 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	177.68	15.76
23 05 19 00-0098 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	187.52	16.58
23 05 19 00-0099 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	203.30	17.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0100 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	224.79	23.49
23 05 19 00-0101 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	259.25	28.46
23 05 19 00-0102 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	279.13	36.04
23 05 19 00-0103 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	536.94	41.67
23 05 19 00-0104 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	569.62	49.24
23 05 19 00-0105 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0106 EA 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	125.06	15.76
23 05 19 00-0107 EA 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	130.22	16.58
23 05 19 00-0108 EA 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	137.82	17.43
23 05 19 00-0109 EA 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	152.88	23.49
23 05 19 00-0110 EA 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	165.12	28.46
23 05 19 00-0111 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	183.83	36.04
23 05 19 00-0112 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	322.96	41.67
23 05 19 00-0113 EA 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	348.62	49.24
23 05 19 00-0114 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0115 EA 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	176.51	15.76
23 05 19 00-0116 EA 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	189.86	16.58
23 05 19 00-0117 EA 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	206.81	17.43
23 05 19 00-0118 EA 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	224.79	23.49
23 05 19 00-0119 EA 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	259.25	28.46
23 05 19 00-0120 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	281.46	36.04
23 05 19 00-0121 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	536.94	41.67
23 05 19 00-0122 EA 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	569.62	49.24
23 05 19 00-0123 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0124 EA 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	263.93	28.46
23 05 19 00-0125 EA 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	300.17	36.04
23 05 19 00-0126 EA 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	341.67	41.67
23 05 19 00-0127 EA 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	386.04	49.24
23 05 19 00-0128 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129 EA 1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	588.21	113.64
23 05 19 00-0130 EA 2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	665.93	144.27
23 05 19 00-0131 EA 3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	958.26	169.35
23 05 19 00-0132 EA 4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,461.05	283.90
23 05 19 00-0133 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,330.24	365.39
23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135 EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	448.22	81.17
23 05 19 00-0136 EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	528.06	94.70
23 05 19 00-0137 EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	576.22	113.64
23 05 19 00-0138 EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	722.94	144.27
23 05 19 00-0139 EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,028.12	169.35
23 05 19 00-0140 EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,536.76	283.90
23 05 23 General-Duty Valves For HVAC Piping <small>(23 05)</small>		
23 05 23 00-0001 Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).</small>		
23 05 23 00-0003 EA 1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	43.12	10.82
<i>For Work In Restricted Working Space, Add</i>	<i>9.46</i>	
<i>For 150 LB Rating, Add</i>	<i>1.16</i>	
<i>For 200 LB Rating, Add</i>	<i>1.74</i>	
<i>For 250 LB Rating, Add</i>	<i>2.90</i>	
<i>For 300 LB Rating, Add</i>	<i>4.06</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0004 EA 3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	44.77	10.82
For Work In Restricted Working Space, Add	9.95	
For 150 LB Rating, Add	1.16	
For 200 LB Rating, Add	1.74	
For 250 LB Rating, Add	2.90	
For 300 LB Rating, Add	4.06	
23 05 23 00-0005 EA 1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	46.52	10.82
For Work In Restricted Working Space, Add	10.48	
For 150 LB Rating, Add	1.16	
For 200 LB Rating, Add	1.74	
For 250 LB Rating, Add	2.90	
For 300 LB Rating, Add	4.06	
23 05 23 00-0006 EA 3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	60.90	11.90
For Work In Restricted Working Space, Add	14.12	
For 150 LB Rating, Add	1.38	
For 200 LB Rating, Add	2.08	
For 250 LB Rating, Add	3.46	
For 300 LB Rating, Add	4.84	
23 05 23 00-0007 EA 1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	77.87	13.53
For Work In Restricted Working Space, Add	17.09	
For 150 LB Rating, Add	2.09	
For 200 LB Rating, Add	3.14	
For 250 LB Rating, Add	5.23	
For 300 LB Rating, Add	7.32	
23 05 23 00-0008 EA 1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	100.35	14.39
For Work In Restricted Working Space, Add	21.65	
For 150 LB Rating, Add	2.82	
For 200 LB Rating, Add	4.23	
For 250 LB Rating, Add	7.05	
For 300 LB Rating, Add	9.87	
23 05 23 00-0009 EA 1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	118.78	16.66
For Work In Restricted Working Space, Add	24.98	
For 150 LB Rating, Add	3.55	
For 200 LB Rating, Add	5.33	
For 250 LB Rating, Add	8.88	
For 300 LB Rating, Add	12.44	
23 05 23 00-0010 EA 2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	146.93	19.70
For Work In Restricted Working Space, Add	29.52	
For 150 LB Rating, Add	4.85	
For 200 LB Rating, Add	7.28	
For 250 LB Rating, Add	12.14	
For 300 LB Rating, Add	16.99	
23 05 23 00-0011 EA 2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	271.26	26.59
For Work In Restricted Working Space, Add	39.85	
For 150 LB Rating, Add	13.84	
For 200 LB Rating, Add	20.77	
For 250 LB Rating, Add	34.61	
For 300 LB Rating, Add	48.45	
For Chain Operated Type, Add	62.30	
23 05 23 00-0012 EA 3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	318.74	30.88
For Work In Restricted Working Space, Add	45.98	
For 150 LB Rating, Add	16.55	
For 200 LB Rating, Add	24.82	
For 250 LB Rating, Add	41.37	
For 300 LB Rating, Add	57.92	
For Chain Operated Type, Add	74.47	
23 05 23 00-0013 EA 4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	568.57	34.87
For Work In Restricted Working Space, Add	52.30	
For 150 LB Rating, Add	39.42	
For 200 LB Rating, Add	59.14	
For 250 LB Rating, Add	98.56	
For 300 LB Rating, Add	137.98	
For Chain Operated Type, Add	177.41	
23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves		
<small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	113.57	16.66
For Work In Restricted Working Space, Add	24.98	
For 150 LB Rating, Add	6.06	
For 250 LB Rating, Add	10.61	
For Chain Operated Type, Add	10.61	
23 05 23 00-0016 EA 2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	214.18	19.70
For Work In Restricted Working Space, Add	29.52	
For 150 LB Rating, Add	23.16	
For 250 LB Rating, Add	40.53	
For Chain Operated Type, Add	40.53	
23 05 23 00-0017 EA 2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	306.96	26.59
For Work In Restricted Working Space, Add	39.85	
For 150 LB Rating, Add	34.83	
For 250 LB Rating, Add	60.95	
For Chain Operated Type, Add	60.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0018 EA 3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	381.74	30.88
<i>For Work In Restricted Working Space, Add</i>	45.98	
<i>For 150 LB Rating, Add</i>	45.70	
<i>For 250 LB Rating, Add</i>	79.97	
<i>For Chain Operated Type, Add</i>	79.97	
23 05 23 00-0019 EA 4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	789.39	34.87
<i>For Work In Restricted Working Space, Add</i>	52.30	
<i>For 150 LB Rating, Add</i>	123.01	
<i>For 250 LB Rating, Add</i>	215.27	
<i>For Chain Operated Type, Add</i>	215.27	
23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves		
<small>(23 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure.</small>		
23 05 23 00-0021 EA 1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	301.48	113.64
<i>For Work In Restricted Working Space, Add</i>	42.72	
<i>For 150 LB Rating, Add</i>	46.13	
<i>For 250 LB Rating, Add</i>	79.54	
<i>For 300 LB Rating, ASTM A182, Add</i>	230.28	
<i>For Chain Operated Type, Add</i>	79.54	
23 05 23 00-0022 EA 2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	346.74	144.27
<i>For Work In Restricted Working Space, Add</i>	54.11	
<i>For 150 LB Rating, Add</i>	48.24	
<i>For 250 LB Rating, Add</i>	83.18	
<i>For 300 LB Rating, ASTM A182, Add</i>	256.55	
<i>For Chain Operated Type, Add</i>	83.18	
23 05 23 00-0023 EA 2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	380.73	144.44
<i>For Work In Restricted Working Space, Add</i>	54.34	
<i>For 150 LB Rating, Add</i>	57.89	
<i>For 250 LB Rating, Add</i>	99.81	
<i>For 300 LB Rating, ASTM A182, Add</i>	290.17	
<i>For Chain Operated Type, Add</i>	99.81	
23 05 23 00-0024 EA 3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	461.44	169.35
<i>For Work In Restricted Working Space, Add</i>	63.59	
<i>For 150 LB Rating, Add</i>	72.35	
<i>For 250 LB Rating, Add</i>	124.75	
<i>For 300 LB Rating, ASTM A182, Add</i>	355.47	
<i>For Chain Operated Type, Add</i>	124.75	
23 05 23 00-0025 EA 4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	688.45	283.90
<i>For Work In Restricted Working Space, Add</i>	106.73	
<i>For 150 LB Rating, Add</i>	96.48	
<i>For 250 LB Rating, Add</i>	166.34	
<i>For 300 LB Rating, ASTM A182, Add</i>	510.57	
<i>For Chain Operated Type, Add</i>	166.34	
23 05 23 00-0026 EA 5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	844.97	328.84
<i>For Work In Restricted Working Space, Add</i>	123.76	
<i>For 150 LB Rating, Add</i>	125.41	
<i>For 250 LB Rating, Add</i>	216.22	
<i>For 300 LB Rating, ASTM A182, Add</i>	638.71	
<i>For Chain Operated Type, Add</i>	216.22	
23 05 23 00-0027 EA 6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	988.91	365.39
<i>For Work In Restricted Working Space, Add</i>	137.02	
<i>For 150 LB Rating, Add</i>	154.33	
<i>For 250 LB Rating, Add</i>	266.09	
<i>For 300 LB Rating, ASTM A182, Add</i>	760.55	
<i>For Chain Operated Type, Add</i>	266.09	
23 05 23 00-0028 EA 8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,403.52	420.20
<i>For Work In Restricted Working Space, Add</i>	156.59	
<i>For 150 LB Rating, Add</i>	255.65	
<i>For 250 LB Rating, Add</i>	440.78	
<i>For 300 LB Rating, ASTM A182, Add</i>	1,142.54	
<i>For Chain Operated Type, Add</i>	440.78	
23 05 23 00-0029 EA 10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,803.65	511.54
<i>For Work In Restricted Working Space, Add</i>	191.83	
<i>For 150 LB Rating, Add</i>	337.63	
<i>For 250 LB Rating, Add</i>	582.12	
<i>For 300 LB Rating, ASTM A182, Add</i>	1,483.94	
<i>For Chain Operated Type, Add</i>	582.12	
23 05 23 00-0030 EA 12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,438.34	621.16
<i>For Work In Restricted Working Space, Add</i>	232.52	
<i>For 150 LB Rating, Add</i>	482.35	
<i>For 250 LB Rating, Add</i>	831.64	
<i>For 300 LB Rating, ASTM A182, Add</i>	2,050.81	
<i>For Chain Operated Type, Add</i>	831.64	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves		
<small>(23 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure.</small>		
23 05 23 00-0032 EA 1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	251.22	16.66
<i>For Work In Restricted Working Space, Add</i>	24.98	
<i>For 175 LB Rating, Add</i>	83.99	
<i>For 250 LB Rating, Add</i>	125.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0033	EA		2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	315.53	19.70
			<i>For Work In Restricted Working Space, Add</i>	29.52	
			<i>For 175 LB Rating, Add</i>	108.57	
			<i>For 250 LB Rating, Add</i>	162.86	
23 05 23 00-0034	EA		2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	377.67	26.59
			<i>For Work In Restricted Working Space, Add</i>	39.85	
			<i>For 175 LB Rating, Add</i>	122.43	
			<i>For 250 LB Rating, Add</i>	183.64	
23 05 23 00-0035	EA		3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	423.42	30.88
			<i>For Work In Restricted Working Space, Add</i>	45.98	
			<i>For 175 LB Rating, Add</i>	135.09	
			<i>For 250 LB Rating, Add</i>	202.63	
23 05 23 00-0036	EA		4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	547.39	34.87
			<i>For Work In Restricted Working Space, Add</i>	52.30	
			<i>For 175 LB Rating, Add</i>	186.53	
			<i>For 250 LB Rating, Add</i>	279.80	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves					
<small>(23 05 23 00-0001)</small>					
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".</small>					
23 05 23 00-0038	EA		1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	371.72	113.64
			<i>For Work In Restricted Working Space, Add</i>	42.72	
			<i>For 150 LB Rating, Add</i>	34.40	
			<i>For 175 LB Rating, Add</i>	71.09	
			<i>For 250 LB Rating, Add</i>	149.05	
			<i>For Chain Operated Type, Add</i>	114.66	
23 05 23 00-0039	EA		2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	416.51	144.27
			<i>For Work In Restricted Working Space, Add</i>	54.11	
			<i>For 150 LB Rating, Add</i>	35.42	
			<i>For 175 LB Rating, Add</i>	73.20	
			<i>For 250 LB Rating, Add</i>	153.48	
			<i>For Chain Operated Type, Add</i>	118.07	
23 05 23 00-0040	EA		2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	424.95	144.44
			<i>For Work In Restricted Working Space, Add</i>	54.34	
			<i>For 150 LB Rating, Add</i>	36.57	
			<i>For 175 LB Rating, Add</i>	75.59	
			<i>For 250 LB Rating, Add</i>	158.49	
			<i>For Chain Operated Type, Add</i>	121.92	
23 05 23 00-0041	EA		3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	480.23	169.35
			<i>For Work In Restricted Working Space, Add</i>	63.59	
			<i>For 150 LB Rating, Add</i>	40.24	
			<i>For 175 LB Rating, Add</i>	83.17	
			<i>For 250 LB Rating, Add</i>	174.38	
			<i>For Chain Operated Type, Add</i>	134.14	
23 05 23 00-0042	EA		4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	681.13	283.90
			<i>For Work In Restricted Working Space, Add</i>	106.73	
			<i>For 150 LB Rating, Add</i>	48.80	
			<i>For 175 LB Rating, Add</i>	100.86	
			<i>For 250 LB Rating, Add</i>	211.48	
			<i>For Chain Operated Type, Add</i>	162.68	
23 05 23 00-0043	EA		5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	866.47	328.84
			<i>For Work In Restricted Working Space, Add</i>	123.76	
			<i>For 150 LB Rating, Add</i>	68.09	
			<i>For 175 LB Rating, Add</i>	140.72	
			<i>For 250 LB Rating, Add</i>	295.06	
			<i>For Chain Operated Type, Add</i>	226.97	
23 05 23 00-0044	EA		6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	975.15	365.39
			<i>For Work In Restricted Working Space, Add</i>	137.02	
			<i>For 150 LB Rating, Add</i>	77.76	
			<i>For 175 LB Rating, Add</i>	160.71	
			<i>For 250 LB Rating, Add</i>	336.97	
			<i>For Chain Operated Type, Add</i>	259.21	
23 05 23 00-0045	EA		8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,398.76	420.20
			<i>For Work In Restricted Working Space, Add</i>	156.59	
			<i>For 150 LB Rating, Add</i>	131.52	
			<i>For 175 LB Rating, Add</i>	271.80	
			<i>For 250 LB Rating, Add</i>	569.91	
			<i>For Chain Operated Type, Add</i>	438.40	
23 05 23 00-0046	EA		10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,988.79	511.54
			<i>For Work In Restricted Working Space, Add</i>	191.83	
			<i>For 150 LB Rating, Add</i>	202.41	
			<i>For 175 LB Rating, Add</i>	418.30	
			<i>For 250 LB Rating, Add</i>	877.09	
			<i>For Chain Operated Type, Add</i>	674.69	
23 05 23 00-0047	EA		12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,485.28	621.16
			<i>For Work In Restricted Working Space, Add</i>	232.52	
			<i>For 150 LB Rating, Add</i>	256.53	
			<i>For 175 LB Rating, Add</i>	530.17	
			<i>For 250 LB Rating, Add</i>	1,111.64	
			<i>For Chain Operated Type, Add</i>	855.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0048 EA 14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,612.04	723.76
<i>For Work In Restricted Working Space, Add</i>	289.50	
<i>For 150 LB Rating, Add</i>	547.05	
<i>For 175 LB Rating, Add</i>	1,130.58	
<i>For 250 LB Rating, Add</i>	2,370.57	
23 05 23 00-0049 EA 16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,912.41	849.21
<i>For Work In Restricted Working Space, Add</i>	318.45	
<i>For 150 LB Rating, Add</i>	727.64	
<i>For 175 LB Rating, Add</i>	1,503.78	
<i>For 250 LB Rating, Add</i>	3,153.09	
23 05 23 00-0050 EA 18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	7,970.81	945.70
<i>For Work In Restricted Working Space, Add</i>	353.84	
<i>For 150 LB Rating, Add</i>	1,018.70	
<i>For 175 LB Rating, Add</i>	2,105.32	
<i>For 250 LB Rating, Add</i>	4,414.38	
23 05 23 00-0051 EA 20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	10,057.30	1,061.50
<i>For Work In Restricted Working Space, Add</i>	398.06	
<i>For 150 LB Rating, Add</i>	1,309.56	
<i>For 175 LB Rating, Add</i>	2,706.43	
<i>For 250 LB Rating, Add</i>	5,674.77	
23 05 23 00-0052 EA 24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	13,676.88	1,302.76
<i>For Work In Restricted Working Space, Add</i>	489.92	
<i>For 150 LB Rating, Add</i>	1,806.57	
<i>For 175 LB Rating, Add</i>	3,733.58	
<i>For 250 LB Rating, Add</i>	7,828.47	
23 05 23 00-0053 EA 30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	28,246.85	2,123.02
<i>For Work In Restricted Working Space, Add</i>	796.13	
<i>For 150 LB Rating, Add</i>	3,838.96	
<i>For 175 LB Rating, Add</i>	7,933.85	
<i>For 250 LB Rating, Add</i>	16,635.50	
23 05 23 00-0054 EA 36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	36,056.62	2,895.02
<i>For Work In Restricted Working Space, Add</i>	1,061.51	
<i>For 150 LB Rating, Add</i>	4,877.74	
<i>For 175 LB Rating, Add</i>	10,080.66	
<i>For 250 LB Rating, Add</i>	21,136.87	
23 05 23 00-0055 EA 42" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	43,245.51	4,246.02
<i>For Work In Restricted Working Space, Add</i>	1,592.26	
<i>For 150 LB Rating, Add</i>	5,690.70	
<i>For 175 LB Rating, Add</i>	11,760.77	
<i>For 250 LB Rating, Add</i>	24,659.68	
23 05 23 00-0056 EA 48" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	52,133.22	5,307.54
<i>For Work In Restricted Working Space, Add</i>	1,990.33	
<i>For 150 LB Rating, Add</i>	6,824.82	
<i>For 175 LB Rating, Add</i>	14,104.63	
<i>For 250 LB Rating, Add</i>	29,574.22	
23 05 23 00-0057 EA 54" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	62,567.83	6,369.04
<i>For Work In Restricted Working Space, Add</i>	2,390.78	
<i>For 150 LB Rating, Add</i>	8,189.78	
<i>For 175 LB Rating, Add</i>	16,925.55	
<i>For 250 LB Rating, Add</i>	35,489.06	
23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 800 psig at 850 degrees F.		
23 05 23 00-0059 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	79.66	17.43
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0060 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	83.06	17.43
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0061 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	101.66	23.49
<i>For Work In Restricted Working Space, Add</i>	14.12	
23 05 23 00-0062 EA 1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	123.30	28.46
<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0063 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	179.19	36.04
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 05 23 00-0064 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	210.64	41.67
<i>For Work In Restricted Working Space, Add</i>	24.98	
23 05 23 00-0065 EA 2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	261.00	49.24
<i>For Work In Restricted Working Space, Add</i>	29.52	
23 05 23 00-0066 Ball Valves <small>(23 05 23)</small>		
See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
Note: 125 LB WSP.		
23 05 23 00-0068 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	40.30	10.82
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	2.42	
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0069 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	55.33	11.90
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	3.72	
<i>For Work In Restricted Working Space, Add</i>	14.12	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0070 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	68.13	13.53
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	5.03	
<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0071 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	90.91	14.39
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	8.44	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 05 23 00-0072 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	107.20	16.66
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	10.78	
<i>For Work In Restricted Working Space, Add</i>	24.98	
23 05 23 00-0073 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	128.39	19.70
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	29.52	
23 05 23 00-0074 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	274.40	26.59
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	63.71	
<i>For Work In Restricted Working Space, Add</i>	39.85	
23 05 23 00-0075 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	316.61	30.88
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	73.51	
<i>For Work In Restricted Working Space, Add</i>	45.98	
23 05 23 00-0076 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	397.04	34.87
<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
<i>For Full Port, Add</i>	100.22	
<i>For Work In Restricted Working Space, Add</i>	52.30	
23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)		
23 05 23 00-0078 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	41.82	10.82
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0079 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	46.10	10.82
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0080 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	63.22	11.90
<i>For Work In Restricted Working Space, Add</i>	14.12	
23 05 23 00-0081 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	78.70	13.53
<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0082 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	109.31	14.39
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 05 23 00-0083 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	130.31	16.66
<i>For Work In Restricted Working Space, Add</i>	24.98	
23 05 23 00-0084 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	163.19	19.70
<i>For Work In Restricted Working Space, Add</i>	29.52	
23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)		
23 05 23 00-0086 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	961.10	283.90
<i>For Work In Restricted Working Space, Add</i>	106.73	
23 05 23 00-0087 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,571.23	365.39
<i>For Work In Restricted Working Space, Add</i>	137.02	
23 05 23 00-0088 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,145.27	420.20
<i>For Work In Restricted Working Space, Add</i>	156.59	
23 05 23 00-0089 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0066)		
23 05 23 00-0090 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	37.97	10.82
<i>For True Union Socket Or Thread Type, Add</i>	3.05	
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0091 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	50.57	11.90
<i>For True Union Socket Or Thread Type, Add</i>	3.87	
<i>For Work In Restricted Working Space, Add</i>	14.12	
23 05 23 00-0092 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	61.85	13.53
<i>For True Union Socket Or Thread Type, Add</i>	4.95	
<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0093 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	78.59	14.39
<i>For True Union Socket Or Thread Type, Add</i>	6.36	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 05 23 00-0094 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	94.43	16.66
<i>For True Union Socket Or Thread Type, Add</i>	8.84	
<i>For Work In Restricted Working Space, Add</i>	24.98	
23 05 23 00-0095 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	112.64	19.70
<i>For True Union Socket Or Thread Type, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	29.52	
23 05 23 00-0096 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	163.49	26.59
<i>For True Union Socket Or Thread Type, Add</i>	19.24	
<i>For Work In Restricted Working Space, Add</i>	39.85	
23 05 23 00-0097 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	205.40	30.88
<i>For True Union Socket Or Thread Type, Add</i>	28.91	
<i>For Work In Restricted Working Space, Add</i>	45.98	
23 05 23 00-0098 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	274.04	34.87
<i>For True Union Socket Or Thread Type, Add</i>	49.04	
<i>For Work In Restricted Working Space, Add</i>	52.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0099				Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0100	EA			1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 63.45	63.45	16.23
				<i>For Full Port, Add</i>	7.28	
				<i>For Work In Restricted Working Space, Add</i>	14.18	
23 05 23 00-0101	EA			3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 65.94	65.94	16.23
				<i>For Full Port, Add</i>	7.28	
				<i>For Work In Restricted Working Space, Add</i>	14.93	
23 05 23 00-0102	EA			1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 68.55	68.55	16.23
				<i>For Full Port, Add</i>	7.28	
				<i>For Work In Restricted Working Space, Add</i>	15.71	
23 05 23 00-0103	EA			3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 87.75	87.75	17.86
				<i>For Full Port, Add</i>	7.72	
				<i>For Work In Restricted Working Space, Add</i>	21.18	
23 05 23 00-0104	EA			1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 110.85	110.85	20.29
				<i>For Full Port, Add</i>	11.43	
				<i>For Work In Restricted Working Space, Add</i>	25.63	
23 05 23 00-0105	EA			1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 143.01	143.01	21.59
				<i>For Full Port, Add</i>	15.65	
				<i>For Work In Restricted Working Space, Add</i>	32.47	
23 05 23 00-0106	EA			1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 171.13	171.13	25.00
				<i>For Full Port, Add</i>	20.81	
				<i>For Work In Restricted Working Space, Add</i>	37.46	
23 05 23 00-0107	EA			2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 222.84	222.84	29.55
				<i>For Full Port, Add</i>	33.87	
				<i>For Work In Restricted Working Space, Add</i>	44.27	
23 05 23 00-0108	EA			2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 381.88	381.88	39.90
				<i>For Full Port, Add</i>	82.19	
				<i>For Work In Restricted Working Space, Add</i>	59.77	
23 05 23 00-0109	EA			3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve 519.92	519.92	46.32
				<i>For Full Port, Add</i>	130.51	
				<i>For Work In Restricted Working Space, Add</i>	68.97	
23 05 23 00-0110				Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0111				Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0110)</small>		
23 05 23 00-0112	EA			1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 48.13	48.13	10.82
				<i>For 150 LB Rating, Add</i>	4.10	
				<i>For 200 LB Rating, Add</i>	5.02	
				<i>For 250 LB Rating, Add</i>	5.94	
				<i>For 300 LB Rating, Add</i>	7.27	
				<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0113	EA			1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 44.73	44.73	10.82
				<i>For 150 LB Rating, Add</i>	4.10	
				<i>For 200 LB Rating, Add</i>	5.02	
				<i>For 250 LB Rating, Add</i>	5.94	
				<i>For 300 LB Rating, Add</i>	7.27	
				<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0114	EA			3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 52.88	52.88	10.82
				<i>For 150 LB Rating, Add</i>	6.11	
				<i>For 200 LB Rating, Add</i>	7.49	
				<i>For 250 LB Rating, Add</i>	8.87	
				<i>For 300 LB Rating, Add</i>	10.84	
				<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 23 00-0115	EA			1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 54.63	54.63	10.82
				<i>For 150 LB Rating, Add</i>	6.11	
				<i>For 200 LB Rating, Add</i>	7.49	
				<i>For 250 LB Rating, Add</i>	8.87	
				<i>For 300 LB Rating, Add</i>	10.84	
				<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	35.65	
				<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0116	EA			3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 68.43	68.43	11.37
				<i>For 150 LB Rating, Add</i>	6.62	
				<i>For 200 LB Rating, Add</i>	8.12	
				<i>For 250 LB Rating, Add</i>	9.62	
				<i>For 300 LB Rating, Add</i>	11.75	
				<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	42.33	
				<i>For Work In Restricted Working Space, Add</i>	14.12	
23 05 23 00-0117	EA			1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 85.84	85.84	11.37
				<i>For 150 LB Rating, Add</i>	8.95	
				<i>For 200 LB Rating, Add</i>	10.97	
				<i>For 250 LB Rating, Add</i>	13.00	
				<i>For 300 LB Rating, Add</i>	15.88	
				<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	54.55	
				<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0118	EA			1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve 122.04	122.04	14.39
				<i>For 150 LB Rating, Add</i>	15.46	
				<i>For 200 LB Rating, Add</i>	18.95	
				<i>For 250 LB Rating, Add</i>	22.45	
				<i>For 300 LB Rating, Add</i>	27.43	
				<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	83.73	
				<i>For Work In Restricted Working Space, Add</i>	21.65	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0119 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	154.53	16.66
For 150 LB Rating, Add	22.10	
For 200 LB Rating, Add	27.09	
For 250 LB Rating, Add	32.08	
For 300 LB Rating, Add	39.20	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	111.71	
For Work In Restricted Working Space, Add	24.98	
23 05 23 00-0120 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	182.19	19.70
For 150 LB Rating, Add	25.98	
For 200 LB Rating, Add	31.84	
For 250 LB Rating, Add	37.71	
For 300 LB Rating, Add	46.09	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	131.54	
For Work In Restricted Working Space, Add	29.52	
23 05 23 00-0121 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	217.31	26.59
For 150 LB Rating, Add	26.19	
For 200 LB Rating, Add	32.11	
For 250 LB Rating, Add	38.02	
For 300 LB Rating, Add	46.47	
For Work In Restricted Working Space, Add	39.85	
23 05 23 00-0122 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	342.54	30.88
For 150 LB Rating, Add	58.68	
For 200 LB Rating, Add	71.93	
For 250 LB Rating, Add	85.18	
For 300 LB Rating, Add	104.11	
For Work In Restricted Working Space, Add	45.98	
23 05 23 00-0123 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-		
0110)		
23 05 23 00-0124 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	245.62	19.70
For 150 LB Rating, Add	45.64	
For 200 LB Rating, Add	55.95	
For 250 LB Rating, Add	66.25	
For 300 LB Rating, Add	80.98	
For Chain Operated Type, Add	122.94	
For Work In Restricted Working Space, Add	29.52	
23 05 23 00-0125 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	311.29	26.59
For 150 LB Rating, Add	55.33	
For 200 LB Rating, Add	67.82	
For 250 LB Rating, Add	80.31	
For 300 LB Rating, Add	98.16	
For Chain Operated Type, Add	149.02	
For Work In Restricted Working Space, Add	39.85	
23 05 23 00-0126 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	367.41	30.88
For 150 LB Rating, Add	66.39	
For 200 LB Rating, Add	81.38	
For 250 LB Rating, Add	96.37	
For 300 LB Rating, Add	117.79	
For Chain Operated Type, Add	178.82	
For Work In Restricted Working Space, Add	45.98	
23 05 23 00-0127 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	459.82	34.87
For 150 LB Rating, Add	88.52	
For 200 LB Rating, Add	108.51	
For 250 LB Rating, Add	128.49	
For 300 LB Rating, Add	157.05	
For Chain Operated Type, Add	238.43	
For Work In Restricted Working Space, Add	52.28	
23 05 23 00-0128 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-		
0110)		
23 05 23 00-0129 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	316.66	144.27
For 150 LB Rating, Add	42.25	
For 250 LB Rating, Add	61.33	
For Chain Operated Type, Add	68.14	
For Work In Restricted Working Space, Add	54.11	
23 05 23 00-0130 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	347.25	144.44
For 150 LB Rating, Add	51.50	
For 250 LB Rating, Add	74.76	
For Chain Operated Type, Add	83.07	
For Work In Restricted Working Space, Add	54.34	
23 05 23 00-0131 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	411.31	169.35
For 150 LB Rating, Add	61.80	
For 250 LB Rating, Add	89.71	
For Chain Operated Type, Add	99.68	
For Work In Restricted Working Space, Add	63.59	
23 05 23 00-0132 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	577.11	283.90
For 150 LB Rating, Add	82.40	
For 250 LB Rating, Add	119.61	
For Chain Operated Type, Add	132.91	
For Work In Restricted Working Space, Add	93.39	
23 05 23 00-0133 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	782.17	328.84
For 150 LB Rating, Add	114.59	
For 250 LB Rating, Add	166.34	
For Chain Operated Type, Add	184.82	
For Work In Restricted Working Space, Add	123.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0134 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	923.98	365.99
<i>For 150 LB Rating, Add</i>	144.85	
<i>For 250 LB Rating, Add</i>	210.26	
<i>For Chain Operated Type, Add</i>	233.63	
<i>For Work In Restricted Working Space, Add</i>	137.02	
23 05 23 00-0135 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,240.49	420.20
<i>For 150 LB Rating, Add</i>	222.74	
<i>For 250 LB Rating, Add</i>	323.33	
<i>For Chain Operated Type, Add</i>	359.26	
<i>For Work In Restricted Working Space, Add</i>	156.59	
23 05 23 00-0136 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,733.81	511.54
<i>For 150 LB Rating, Add</i>	339.26	
<i>For 250 LB Rating, Add</i>	492.48	
<i>For Chain Operated Type, Add</i>	547.20	
<i>For Work In Restricted Working Space, Add</i>	191.83	
23 05 23 00-0137 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,845.95	621.16
<i>For 150 LB Rating, Add</i>	641.98	
<i>For 250 LB Rating, Add</i>	931.90	
<i>For Chain Operated Type, Add</i>	1,035.45	
<i>For Work In Restricted Working Space, Add</i>	232.52	
23 05 23 00-0138 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves <small>(23 05 23 00-0110)</small>		
23 05 23 00-0139 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	44.92	10.82
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0140 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	41.52	10.82
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 23 00-0141 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	43.17	10.82
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 23 00-0142 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	45.59	10.82
<i>For 150 LB Rating, Add</i>	3.31	
<i>For 200 LB Rating, Add</i>	4.05	
<i>For 300 LB Rating, Add</i>	5.87	
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 23 00-0143 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	61.86	11.37
<i>For 150 LB Rating, Add</i>	4.59	
<i>For 200 LB Rating, Add</i>	5.62	
<i>For 300 LB Rating, Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	14.12	
23 05 23 00-0144 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	76.38	11.37
<i>For 150 LB Rating, Add</i>	6.02	
<i>For 200 LB Rating, Add</i>	7.38	
<i>For 300 LB Rating, Add</i>	10.68	
<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 23 00-0145 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	101.00	14.39
<i>For 150 LB Rating, Add</i>	8.94	
<i>For 200 LB Rating, Add</i>	10.96	
<i>For 300 LB Rating, Add</i>	15.86	
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 05 23 00-0146 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	116.88	16.66
<i>For 150 LB Rating, Add</i>	10.43	
<i>For 200 LB Rating, Add</i>	12.78	
<i>For 300 LB Rating, Add</i>	18.50	
<i>For Work In Restricted Working Space, Add</i>	24.98	
23 05 23 00-0147 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	149.04	19.70
<i>For 150 LB Rating, Add</i>	15.70	
<i>For 200 LB Rating, Add</i>	19.25	
<i>For 300 LB Rating, Add</i>	27.86	
<i>For Work In Restricted Working Space, Add</i>	29.52	
23 05 23 00-0148 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	235.67	28.90
<i>For 150 LB Rating, Add</i>	28.32	
<i>For 200 LB Rating, Add</i>	34.72	
<i>For 300 LB Rating, Add</i>	50.25	
<i>For Work In Restricted Working Space, Add</i>	43.29	
23 05 23 00-0149 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	321.23	33.55
<i>For 150 LB Rating, Add</i>	47.97	
<i>For 200 LB Rating, Add</i>	58.80	
<i>For 300 LB Rating, Add</i>	85.10	
<i>For Work In Restricted Working Space, Add</i>	49.95	
23 05 23 00-0150 Flanged, 125 LB, Iron Body, Angle Globe Valves <small>(23 05 23 00-0110)</small>		
23 05 23 00-0151 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	531.00	144.27
<i>For 250 LB Rating, Add</i>	210.37	
<i>For Chain Operated Type, Add</i>	136.74	
<i>For Work In Restricted Working Space, Add</i>	54.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0152 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	595.79	144.44
For 250 LB Rating, Add	248.80	
For Chain Operated Type, Add	161.72	
For Work In Restricted Working Space, Add	54.34	
23 05 23 00-0153 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve	700.61	169.35
For 250 LB Rating, Add	293.20	
For Chain Operated Type, Add	190.58	
For Work In Restricted Working Space, Add	63.59	
23 05 23 00-0154 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,053.72	283.90
For 250 LB Rating, Add	418.77	
For Chain Operated Type, Add	272.20	
For Work In Restricted Working Space, Add	106.73	
23 05 23 00-0155 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,663.38	328.84
For 250 LB Rating, Add	750.51	
For Chain Operated Type, Add	487.83	
For Work In Restricted Working Space, Add	123.76	
23 05 23 00-0156 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,707.58	365.39
For 250 LB Rating, Add	750.51	
For Chain Operated Type, Add	487.83	
For Work In Restricted Working Space, Add	137.02	
23 05 23 00-0157 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,970.14	420.20
For 250 LB Rating, Add	1,468.90	
For Chain Operated Type, Add	954.79	
For Work In Restricted Working Space, Add	156.59	
23 05 23 00-0158 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0110)		
Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0159 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	95.51	17.53
For Work In Restricted Working Space, Add	9.46	
23 05 23 00-0160 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	98.91	17.53
For Work In Restricted Working Space, Add	10.48	
23 05 23 00-0161 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	119.85	23.59
For Work In Restricted Working Space, Add	14.12	
23 05 23 00-0162 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	147.37	28.46
For Work In Restricted Working Space, Add	17.09	
23 05 23 00-0163 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	227.14	36.04
For Work In Restricted Working Space, Add	21.65	
23 05 23 00-0164 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	270.52	41.67
For Work In Restricted Working Space, Add	24.98	
23 05 23 00-0165 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	339.67	49.24
For Work In Restricted Working Space, Add	29.52	
23 05 23 00-0166 Triple Duty Valves (23 05 23)		
Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0167 Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0168 EA 1" Threaded, Straight Pattern, Triple Duty Valve	237.06	11.37
23 05 23 00-0169 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve	276.02	14.39
23 05 23 00-0170 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve	300.75	16.66
23 05 23 00-0171 EA 2" Flanged, Straight Pattern, Triple Duty Valve	738.96	29.55
23 05 23 00-0172 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve	864.27	144.44
23 05 23 00-0173 EA 3" Flanged, Straight Pattern, Triple Duty Valve	949.48	169.35
23 05 23 00-0174 EA 4" Flanged, Straight Pattern, Triple Duty Valve	1,926.00	283.90
23 05 23 00-0175 EA 5" Flanged, Straight Pattern Triple Duty Valve	2,264.85	328.84
23 05 23 00-0176 EA 6" Flanged, Straight Pattern, Triple Duty Valve	2,985.41	365.39
23 05 23 00-0177 EA 8" Flanged, Straight Pattern, Triple Duty Valve	3,954.72	420.20
23 05 23 00-0178 EA 10" Flanged, Straight Pattern, Triple Duty Valve	6,308.55	511.54
23 05 23 00-0179 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0180 EA 2" Flanged, Angle Pattern, Triple Duty Valve	721.97	29.55
23 05 23 00-0181 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve	843.88	144.44
23 05 23 00-0182 EA 3" Flanged, Angle Pattern, Triple Duty Valve	932.49	169.35
23 05 23 00-0183 EA 4" Flanged, Angle Pattern, Triple Duty Valve	1,881.81	283.90
23 05 23 00-0184 EA 5" Flanged, Angle Pattern, Triple Duty Valve	2,210.47	328.84
23 05 23 00-0185 EA 6" Flanged, Angle Pattern, Triple Duty Valve	2,475.59	365.39
23 05 23 00-0186 EA 8" Flanged, Angle Pattern, Triple Duty Valve	3,713.41	420.20
23 05 23 00-0187 EA 10" Flanged, Angle Pattern, Triple Duty Valve	4,952.45	511.54
23 05 23 00-0188 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0189 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	874.71	169.35
23 05 23 00-0190 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,728.87	283.90
23 05 23 00-0191 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,037.14	328.84
23 05 23 00-0192 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,676.12	365.39
23 05 23 00-0193 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,533.27	420.20
23 05 23 00-0194 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	5,605.01	511.54



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Common Work Results For HVAC	23 05
General-Duty Valves For HVAC Piping 23 05 23	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 23 00-0195 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	8,402.09	621.16
				23 05 23 00-0196 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	10,206.94	685.09
				23 05 23 00-0197 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	12,761.81	803.85
23 05 23 00-0198				Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DS-G Series.						
				23 05 23 00-0199 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	787.23	26.74
				23 05 23 00-0200 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	938.59	31.87
				23 05 23 00-0201 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,091.82	34.57
				23 05 23 00-0202 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	1,806.65	37.25
				23 05 23 00-0203 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,091.68	46.59
				23 05 23 00-0204 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	2,788.14	59.74
				23 05 23 00-0205 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	3,790.73	75.81
				23 05 23 00-0206 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	5,973.75	84.95
				23 05 23 00-0207 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	9,477.10	103.59
23 05 23 00-0208				Plug Valves (23 05 23)		
23 05 23 00-0209				Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0208)		
Note: Includes wrench.						
				23 05 23 00-0210 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	128.51	10.82
				23 05 23 00-0211 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	140.65	11.90
				23 05 23 00-0212 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	176.34	13.53
				23 05 23 00-0213 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	213.51	14.39
				23 05 23 00-0214 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	237.01	16.66
				23 05 23 00-0215 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	279.85	19.70
				23 05 23 00-0216 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	410.74	26.59
				23 05 23 00-0217 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	497.07	30.88
23 05 23 00-0218				Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0208)		
Note: Wrench operated for 4", gear operated for 6" and 10".						
				23 05 23 00-0219 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	325.91	144.27
				23 05 23 00-0220 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	372.82	144.44
				23 05 23 00-0221 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	452.83	169.35
				23 05 23 00-0222 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	681.96	283.90
				23 05 23 00-0223 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,326.89	365.39
				23 05 23 00-0224 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,089.67	420.20
				23 05 23 00-0225 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,251.92	511.54
				23 05 23 00-0226 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,740.48	621.16
23 05 23 00-0227				Plug Valves, Forged Steel, Screwed (23 05 23 00-0208)		
				23 05 23 00-0228 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	435.26	10.82
				23 05 23 00-0229 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	517.74	11.90
				23 05 23 00-0230 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	587.56	13.53
				23 05 23 00-0231 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	707.26	14.39
				23 05 23 00-0232 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	823.14	16.66
				23 05 23 00-0233 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,076.23	19.70
23 05 23 00-0234				Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0208)		
				23 05 23 00-0235 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	748.51	283.90
				23 05 23 00-0236 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,085.97	328.84
				23 05 23 00-0237 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,460.68	420.20
				23 05 23 00-0238 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,028.81	511.54
				23 05 23 00-0239 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,598.38	621.16
23 05 23 00-0240				Foot Valves (23 05 23)		
23 05 23 00-0241				Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
				23 05 23 00-0242 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	67.98	27.07
				23 05 23 00-0243 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	76.46	30.31
				23 05 23 00-0244 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	92.35	34.65
				23 05 23 00-0245 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	114.48	38.98
				23 05 23 00-0246 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	231.67	63.87
				23 05 23 00-0247 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	291.29	77.95
23 05 23 00-0248				Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
				23 05 23 00-0249 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	67.98	27.07
				23 05 23 00-0250 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	112.04	30.31
				23 05 23 00-0251 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	112.88	34.65
				23 05 23 00-0252 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	144.58	38.98
				23 05 23 00-0253 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	268.98	63.87
				23 05 23 00-0254 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	354.61	76.86

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0255 Float Valves <small>(23 05 23)</small>		
23 05 23 00-0256 Float Valve Assembly For Maintaining Liquid Level In Tanks <small>(23 05 23 00-0255)</small>		
23 05 23 00-0257 Single Seat, Bronze Construction <small>(23 05 23 00-0256)</small>		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0258 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	109.80	22.73
23 05 23 00-0259 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	127.05	27.06
23 05 23 00-0260 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	157.14	29.22
23 05 23 00-0261 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	248.29	36.80
23 05 23 00-0262 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	259.11	42.21
23 05 23 00-0263 Double Seat, Bronze Construction <small>(23 05 23 00-0256)</small>		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0264 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	469.99	22.73
23 05 23 00-0265 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	478.64	27.06
23 05 23 00-0266 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	549.43	29.22
23 05 23 00-0267 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	612.82	36.80
23 05 23 00-0268 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	700.83	42.21
23 05 23 00-0269 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	912.82	49.78
23 05 23 00-0270 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,072.25	66.74
23 05 23 00-0271 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	1,286.13	76.71
23 05 23 00-0272 Float Valve Single Seated Balanced For Air Oil Or Water <small>(23 05 23 00-0255)</small>		
Note: Includes arm, ball and bracket.		
23 05 23 00-0273 Brass Body Threaded Ends <small>(23 05 23 00-0272)</small>		
23 05 23 00-0274 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	137.60	29.33
23 05 23 00-0275 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	154.63	32.58
23 05 23 00-0276 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	183.94	36.04
23 05 23 00-0277 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	295.08	58.23
23 05 23 00-0278 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	318.45	66.35
23 05 23 00-0279 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	371.59	82.26
23 05 23 00-0280 Cast Iron Body Flanged <small>(23 05 23 00-0272)</small>		
23 05 23 00-0281 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	2,941.95	175.32
23 05 23 00-0282 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	3,538.62	199.23
23 05 23 00-0283 Float Operated Valves <small>(23 05 23 00-0255)</small>		
23 05 23 00-0284 For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0283)</small>		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0285 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	372.65	50.87
23 05 23 00-0286 For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0283)</small>		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0287 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	505.24	94.63
23 05 23 00-0288 Needle Valves <small>(23 05 23)</small>		
23 05 23 00-0289 Bronze Needle Valve <small>(23 05 23 00-0288)</small>		
Note: For heating and cooling applications.		
23 05 23 00-0290 EA 1/4" Needle Valve, Bronze.....	61.93	10.82
23 05 23 00-0291 EA 3/8" Needle Valve, Bronze.....	67.87	10.82
23 05 23 00-0292 EA 1/2" Needle Valve, Bronze.....	73.42	10.82
23 05 23 00-0293 EA 3/4" Needle Valve, Bronze.....	107.86	11.90
23 05 23 00-0294 EA 1" Needle Valve, Bronze.....	156.15	13.53
23 05 23 00-0295 Eccentric Valves With Taps <small>(23 05 23)</small>		
23 05 23 00-0296 Screwed Eccentric Valves With Taps <small>(23 05 23 00-0295)</small>		
23 05 23 00-0297 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	125.72	10.82
23 05 23 00-0298 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	139.25	11.90
23 05 23 00-0299 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	174.30	13.53
23 05 23 00-0300 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	213.24	14.39
23 05 23 00-0301 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	235.51	16.66
23 05 23 00-0302 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	277.19	19.70
23 05 23 00-0303 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	409.40	26.59
23 05 23 00-0304 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	492.69	30.88
23 05 23 00-0305 Flanged Eccentric Valves With Taps <small>(23 05 23 00-0295)</small>		
23 05 23 00-0306 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	509.39	144.44
23 05 23 00-0307 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	603.08	169.35
23 05 23 00-0308 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	851.66	283.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0309 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,110.97	328.84
23 05 23 00-0310 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	1,364.70	365.39
23 05 23 00-0311 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	2,163.30	420.20
23 05 23 00-0312 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	2,979.19	511.54
23 05 23 00-0313 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	4,930.78	621.16
23 05 23 00-0314 Check Valves <small>(23 05 23)</small>		
23 05 23 00-0315 Iron Body Wafer Type Check Valve <small>(23 05 23 00-0314)</small>		
23 05 23 00-0316 Single Disk Type <small>(23 05 23 00-0315)</small>		
23 05 23 00-0317 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	296.53	144.31
For 150 LB Rating, Add	24.38	
For 200 LB Rating, Add	29.02	
For 300 LB Rating, Add	34.83	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	88.33	
23 05 23 00-0318 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	333.30	144.50
For 150 LB Rating, Add	31.94	
For 200 LB Rating, Add	38.03	
For 300 LB Rating, Add	45.63	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	104.69	
23 05 23 00-0319 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	404.29	169.42
For 150 LB Rating, Add	40.37	
For 200 LB Rating, Add	48.06	
For 300 LB Rating, Add	57.68	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	128.92	
23 05 23 00-0320 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	616.30	284.01
For 150 LB Rating, Add	54.68	
For 200 LB Rating, Add	65.10	
For 300 LB Rating, Add	78.12	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	188.36	
23 05 23 00-0321 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	906.14	398.62
For 150 LB Rating, Add	85.65	
For 200 LB Rating, Add	101.97	
For 300 LB Rating, Add	122.36	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	283.20	
23 05 23 00-0322 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,196.85	458.41
For 150 LB Rating, Add	131.44	
For 200 LB Rating, Add	156.48	
For 300 LB Rating, Add	187.77	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	395.85	
23 05 23 00-0323 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,702.40	558.07
For 150 LB Rating, Add	209.94	
For 200 LB Rating, Add	249.93	
For 300 LB Rating, Add	299.91	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	590.41	
23 05 23 00-0324 Twin Disc Type <small>(23 05 23 00-0315)</small>		
23 05 23 00-0325 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	310.80	144.31
For 150 LB Rating, Add	27.38	
For 200 LB Rating, Add	32.59	
For 300 LB Rating, Add	39.11	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	94.75	
23 05 23 00-0326 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	337.65	144.50
For 150 LB Rating, Add	32.85	
For 200 LB Rating, Add	39.11	
For 300 LB Rating, Add	46.94	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	106.64	
23 05 23 00-0327 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	394.57	169.42
For 150 LB Rating, Add	38.33	
For 200 LB Rating, Add	45.63	
For 300 LB Rating, Add	54.76	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	124.55	
23 05 23 00-0328 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	587.72	284.01
For 150 LB Rating, Add	48.68	
For 200 LB Rating, Add	57.95	
For 300 LB Rating, Add	69.54	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	175.50	
23 05 23 00-0329 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	872.07	398.62
For 150 LB Rating, Add	78.50	
For 200 LB Rating, Add	93.45	
For 300 LB Rating, Add	112.14	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	267.86	
23 05 23 00-0330 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,140.31	458.41
For 150 LB Rating, Add	119.88	
For 200 LB Rating, Add	142.71	
For 300 LB Rating, Add	171.26	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	370.77	
23 05 23 00-0331 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,601.92	49.83
For 150 LB Rating, Add	189.85	
For 200 LB Rating, Add	226.01	
For 300 LB Rating, Add	271.22	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	546.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0332 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,055.77	677.66
For 150 LB Rating, Add	254.36	
For 200 LB Rating, Add	302.81	
For 300 LB Rating, Add	363.37	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	713.96	
23 05 23 00-0333 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,480.67	763.25
For 150 LB Rating, Add	517.23	
For 200 LB Rating, Add	615.75	
For 300 LB Rating, Add	738.90	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,311.88	
23 05 23 00-0334 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,596.62	895.55
For 150 LB Rating, Add	730.21	
For 200 LB Rating, Add	869.30	
For 300 LB Rating, Add	1,043.15	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,788.62	
23 05 23 00-0335 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,964.94	997.32
For 150 LB Rating, Add	991.44	
For 200 LB Rating, Add	1,180.28	
For 300 LB Rating, Add	1,416.34	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,373.27	
23 05 23 00-0336 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,045.18	1,119.44
For 150 LB Rating, Add	1,185.63	
For 200 LB Rating, Add	1,411.47	
For 300 LB Rating, Add	1,693.76	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,820.51	
23 05 23 00-0337 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,140.70	1,373.86
For 150 LB Rating, Add	1,557.88	
For 200 LB Rating, Add	1,854.62	
For 300 LB Rating, Add	2,225.55	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	3,682.76	
23 05 23 00-0338 Lift Check Valves (23 05 23 00-0314)		
23 05 23 00-0339 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0338)		
Note: Watts #600 series.		
23 05 23 00-0340 EA 3/8" Lift Check Valve, Bronze, Threaded.....	64.17	10.82
23 05 23 00-0341 EA 1/2" Lift Check Valve, Bronze, Threaded.....	67.79	10.82
23 05 23 00-0342 EA 3/4" Lift Check Valve, Bronze, Threaded.....	88.00	11.37
23 05 23 00-0343 EA 1" Lift Check Valve, Bronze, Threaded.....	112.84	11.37
23 05 23 00-0344 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	152.25	14.39
23 05 23 00-0345 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	182.42	16.66
23 05 23 00-0346 EA 2" Lift Check Valve, Bronze, Threaded.....	247.50	19.70
23 05 23 00-0347 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0338)		
Note: Crane 366E.		
23 05 23 00-0348 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	292.40	10.82
23 05 23 00-0349 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	358.04	11.37
23 05 23 00-0350 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	625.43	11.37
23 05 23 00-0351 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	831.23	14.39
23 05 23 00-0352 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	905.87	16.66
23 05 23 00-0353 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,158.41	19.70
23 05 23 00-0354 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0338)		
Note: Mueller 105MAP.		
23 05 23 00-0355 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	506.78	144.27
23 05 23 00-0356 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	684.71	144.44
23 05 23 00-0357 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	754.94	169.35
23 05 23 00-0358 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,085.46	283.90
23 05 23 00-0359 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,351.20	328.84
23 05 23 00-0360 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,632.63	365.39
23 05 23 00-0361 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,674.22	420.20
23 05 23 00-0362 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,349.22	511.54
23 05 23 00-0363 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,283.40	621.16
23 05 23 00-0364 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,107.46	723.76
23 05 23 00-0365 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,871.97	849.21
23 05 23 00-0366 Bronze Body Swing Check Valves (23 05 23 00-0314)		
23 05 23 00-0367 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0366)		
23 05 23 00-0368 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	51.19	10.82
For 300 LB Rating, Add	6.35	
For Work In Restricted Working Space, Add	10.48	
23 05 23 00-0369 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	47.79	10.82
For 300 LB Rating, Add	6.35	
For Work In Restricted Working Space, Add	9.46	
23 05 23 00-0370 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	49.44	10.82
For 300 LB Rating, Add	6.35	
For Work In Restricted Working Space, Add	9.95	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0371 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.83 6.59 10.48	10.82
23 05 23 00-0372 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.55 7.99 14.12	11.37
23 05 23 00-0373 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.78 10.85 17.09	11.37
23 05 23 00-0374 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.22 15.23 21.65	14.39
23 05 23 00-0375 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.94 21.33 24.98	16.66
23 05 23 00-0376 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.71 27.42 29.52	19.70
23 05 23 00-0377 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.47 63.04 39.85	26.59
23 05 23 00-0378 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.15 89.66 45.98	30.88
23 05 23 00-0379 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.49 101.46 52.30	34.87
23 05 23 00-0380 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0314)</small>		
23 05 23 00-0381 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.68 97.63 186.64 30.63	81.17
23 05 23 00-0382 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.81 107.56 205.62 35.29	94.70
23 05 23 00-0383 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	313.96 116.65 223.02 42.72	113.64
23 05 23 00-0384 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	393.45 144.89 276.99 54.11	144.27
23 05 23 00-0385 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	429.78 169.09 323.26 54.34	144.44
23 05 23 00-0386 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	482.17 183.75 351.29 63.59	169.35
23 05 23 00-0387 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	773.38 283.97 542.89 106.73	283.90
23 05 23 00-0388 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,025.67 416.94 797.08 123.76	328.84
23 05 23 00-0389 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,167.64 483.42 924.18 137.02	365.39
23 05 23 00-0390 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,296.84 1,206.91 2,307.33 156.59	420.20
23 05 23 00-0391 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,055.39 1,642.86 3,140.76 191.83	511.54
23 05 23 00-0392 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,542.66 2,561.97 4,897.88 232.52	621.16
23 05 23 00-0393 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,230.44 2,900.49 5,545.06 289.50	723.76
23 05 23 00-0394 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,274.07 4,224.55 8,076.34 318.45	849.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0395 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,943.87 6,639.81 12,693.75 353.84	945.70
23 05 23 00-0396 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	14,917.31 9,241.49 17,667.56 398.06	1,061.50
23 05 23 00-0397 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20,658.83 12,937.51 24,733.48 489.92	1,302.76
23 05 23 00-0398 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0314) Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0399 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	91.28 10.48	10.82
23 05 23 00-0400 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	111.05 14.12	11.90
23 05 23 00-0401 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	132.10 17.09	13.53
23 05 23 00-0402 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	195.05 21.65	14.39
23 05 23 00-0403 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	230.01 24.98	16.66
23 05 23 00-0404 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	302.68 29.52	19.70
23 05 23 00-0405 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0314)		
23 05 23 00-0406 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	47.41 10.48	10.82
23 05 23 00-0407 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	59.55 14.12	11.90
23 05 23 00-0408 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	69.94 17.09	13.53
23 05 23 00-0409 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	85.68 21.65	14.39
23 05 23 00-0410 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	97.55 24.98	16.66
23 05 23 00-0411 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	120.62 29.52	19.70
23 05 23 00-0412 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	164.47 39.85	26.59
23 05 23 00-0413 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	194.32 45.98	30.88
23 05 23 00-0414 Cast Iron Valves (23 05 23)		
23 05 23 00-0415 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Valves (23 05 23 00-0414)		
23 05 23 00-0416 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	142.92	32.38
23 05 23 00-0417 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	176.68	35.86
23 05 23 00-0418 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	197.88	44.33
23 05 23 00-0419 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	309.60	66.24
23 05 23 00-0420 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	466.93	79.69
23 05 23 00-0421 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Valves (23 05 23 00-0414)		
23 05 23 00-0422 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	175.12	48.71
23 05 23 00-0423 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	200.77	54.11
23 05 23 00-0424 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	244.03	81.17
23 05 23 00-0425 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	363.16	113.64
23 05 23 00-0426 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	554.32	144.27
23 05 23 00-0427 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	682.91	144.44
23 05 23 00-0428 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	841.56	169.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0429	EA			4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,220.08	283.90
23 05 23 00-0430	EA			6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,393.10	365.39
23 05 23 00-0431	EA			8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,592.57	420.20
23 05 23 00-0432 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Valves <small>(23 05 23 00-0414)</small>						
23 05 23 00-0433	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	102.20	32.38
23 05 23 00-0434	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	126.31	35.86
23 05 23 00-0435	EA			1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	147.51	44.33
23 05 23 00-0436	EA			1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	241.00	66.24
23 05 23 00-0437	EA			2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	307.23	79.69
23 05 23 00-0438 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Valves <small>(23 05 23 00-0414)</small>						
23 05 23 00-0439	EA			1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	132.30	48.71
23 05 23 00-0440	EA			3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	147.85	54.11
23 05 23 00-0441	EA			1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	191.09	81.17
23 05 23 00-0442	EA			1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	291.09	113.64
23 05 23 00-0443	EA			2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	386.49	144.27
23 05 23 00-0444	EA			2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	449.85	144.44
23 05 23 00-0445	EA			3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	543.09	169.35
23 05 23 00-0446	EA			4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	868.25	283.90
23 05 23 00-0447	EA			6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,604.87	365.39
23 05 23 00-0448	EA			8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,342.37	420.20
23 05 23 00-0449 125 LB, Flanged Cast Iron Diaphragm Valves, Hand Wheel Operated <small>(23 05 23 00-0414)</small>						
23 05 23 00-0450	EA			1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	228.08	81.17
23 05 23 00-0451	EA			1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	357.31	113.64
23 05 23 00-0452	EA			2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	474.93	144.27
23 05 23 00-0453	EA			2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	640.54	144.44
23 05 23 00-0454	EA			3" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	713.97	169.35
23 05 23 00-0455	EA			4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,131.97	283.90
23 05 23 00-0456	EA			6" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	2,142.49	365.39
23 05 23 00-0457	EA			8" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	4,193.59	420.20
23 05 23 00-0458 Solenoid Valves <small>(23 05 23)</small>						
23 05 23 00-0459 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure <small>(23 05 23 00-0458)</small>						
23 05 23 00-0460	EA			1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	69.74	10.82
23 05 23 00-0461	EA			1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	79.99	10.82
23 05 23 00-0462	EA			3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	103.74	11.90
23 05 23 00-0463	EA			1" Solenoid Valve, Bronze, 150 PSI, Water.....	145.73	13.53
23 05 23 00-0464	EA			1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	247.13	16.66
23 05 23 00-0465	EA			2" Solenoid Valve, Bronze, 150 PSI, Water.....	368.58	19.70
23 05 23 00-0466	EA			2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	501.32	26.59
23 05 23 00-0467	EA			3" Solenoid Valve, Bronze, 150 PSI, Water.....	704.57	30.88
23 05 23 00-0468 Flow Control Valves And Meters <small>(23 05 23)</small>						
23 05 23 00-0469 Conditioned Water Balancing Valves <small>(23 05 23 00-0468)</small>						
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.						
23 05 23 00-0470	EA			1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	105.21	55.22
23 05 23 00-0471	EA			3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	131.40	73.61
23 05 23 00-0472	EA			1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	186.08	84.12
23 05 23 00-0473	EA			1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	239.29	103.93
23 05 23 00-0474	EA			1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	270.41	110.42
23 05 23 00-0475	EA			2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	349.57	126.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0476 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	652.29	219.64
23 05 23 00-0477 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	874.76	251.03
23 05 23 00-0478 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,184.70	292.99
23 05 23 00-0479 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,337.44	303.45
23 05 23 00-0480 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,489.44	313.91
23 05 23 00-0481 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,424.05	358.76
23 05 23 00-0482 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,034.37	398.62
23 05 23 00-0483 Read Out Meters (23 05 23 00-0468)		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0484 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	502.11	
23 05 23 00-0485 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0486 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0487 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0488 Balancing Valves (23 05 23)		
23 05 23 00-0489 Balancing Valves With Lever (23 05 23 00-0488)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0490 EA 1/2" Threaded Balancing Valve With Lever.....	161.60	34.10
23 05 23 00-0491 EA 3/4" Threaded Balancing Valve With Lever.....	186.56	44.93
23 05 23 00-0492 EA 1" Threaded Balancing Valve With Lever.....	201.82	51.43
23 05 23 00-0493 EA 1-1/4" Threaded Balancing Valve With Lever	234.49	63.87
23 05 23 00-0494 EA 1-1/2" Threaded Balancing Valve With Lever	250.95	67.66
23 05 23 00-0495 EA 2" Threaded Balancing Valve With Lever.....	279.92	77.41
23 05 23 00-0496 EA 2-1/2" Flanged Balancing Valve With Lever.....	517.33	137.03
23 05 23 00-0497 EA 3" Flanged Balancing Valve With Lever	640.00	182.87
23 05 23 00-0498 EA 4" Flanged Balancing Valve With Lever	822.22	211.76
23 05 23 00-0499 EA 5" Flanged Balancing Valve With Lever	1,171.52	249.14
23 05 23 00-0500 EA 6" Flanged Balancing Valve With Lever	1,241.78	284.52
23 05 23 00-0501 EA 8" Flanged Balancing Valve With Lever	1,572.40	318.90
23 05 23 00-0502 Balancing Valves With Nut (23 05 23 00-0488)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0503 EA 4" Flanged Balancing Valve With Nut	790.91	211.76
23 05 23 00-0504 EA 5" Flanged Balancing Valve With Nut	1,131.77	249.14
23 05 23 00-0505 EA 6" Flanged Balancing Valve With Nut	1,202.03	284.52
23 05 23 00-0506 EA 8" Flanged Balancing Valve With Nut	1,517.00	318.90
23 05 23 00-0507 Balancing Valves With Hand Wheel (23 05 23 00-0488)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0508 EA 4" Flanged Balancing Valve With Hand Wheel	1,025.76	211.76
23 05 23 00-0509 EA 5" Flanged Balancing Valve With Hand Wheel	1,448.97	284.52
23 05 23 00-0510 EA 6" Flanged Balancing Valve With Hand Wheel	1,378.67	249.14
23 05 23 00-0511 EA 8" Flanged Balancing Valve With Hand Wheel	1,717.55	284.52
23 05 23 00-0512 EA 10" Flanged Balancing Valve With Hand Wheel	2,496.32	348.49
23 05 23 00-0513 EA 12" Flanged Balancing Valve With Hand Wheel	3,219.27	431.80
23 05 23 00-0514 EA 14" Flanged Balancing Valve With Hand Wheel	4,175.71	447.57
23 05 23 00-0515 Balancing Valves With Chain Wheel (23 05 23 00-0488)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0516 EA 4" Flanged Balancing Valve With Chain Wheel	1,153.42	211.76
23 05 23 00-0517 EA 5" Flanged Balancing Valve With Chain Wheel	1,577.84	284.52
23 05 23 00-0518 EA 6" Flanged Balancing Valve With Chain Wheel	1,507.54	249.14
23 05 23 00-0519 EA 8" Flanged Balancing Valve With Chain Wheel	1,845.21	284.52
23 05 23 00-0520 EA 10" Flanged Balancing Valve With Chain Wheel	2,625.54	348.29
23 05 23 00-0521 EA 12" Flanged Balancing Valve With Chain Wheel	3,377.30	431.50
23 05 23 00-0522 EA 14" Flanged Balancing Valve With Chain Wheel	4,331.42	447.77
23 05 23 00-0523 Calibrated Balancing Valves (23 05 23 00-0488)		
Note: Bell & Gossett CB Series.		
23 05 23 00-0524 EA 1/2" Brazerd Or Soldered Calibrated Balancing Valve (CB-1/2S)	89.31	10.83
23 05 23 00-0525 EA 3/4" Brazerd Or Soldered Calibrated Balancing Valve (CB-3/4S)	106.89	11.90
23 05 23 00-0526 EA 1" Brazerd Or Soldered Calibrated Balancing Valve (CB-1S)	130.39	13.53
23 05 23 00-0527 EA 1-1/4" Brazerd Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	174.14	14.40
23 05 23 00-0528 EA 1" Threaded Calibrated Balancing Valve (CB-1)	137.87	13.53
23 05 23 00-0529 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	187.06	14.40
23 05 23 00-0530 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	217.19	16.67
23 05 23 00-0531 EA 2" Threaded Calibrated Balancing Valve (CB-2)	288.75	19.71
23 05 23 00-0532 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	524.97	28.91
23 05 23 00-0533 EA 3" Threaded Calibrated Balancing Valve (CB-3)	727.30	33.56
23 05 23 00-0534 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	699.86	156.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0535 EA 3" Flanged Calibrated Balancing Valve (CB-3F).....	995.06	184.05
23 05 23 00-0536 EA 4" Flanged Calibrated Balancing Valve (CB-4F).....	1,517.68	308.55
23 05 23 00-0537 EA 5" Flanged Calibrated Balancing Valve (CB-5F).....	2,266.46	389.74
23 05 23 00-0538 EA 6" Flanged Calibrated Balancing Valve (CB-6F).....	2,937.43	433.04
23 05 23 00-0539 EA 8" Flanged Calibrated Balancing Valve (CB-8F).....	5,121.97	498.00
23 05 23 00-0540 EA 10" Flanged Calibrated Balancing Valve (CB-10F).....	7,079.51	569.90
23 05 23 00-0541 EA 12" Flanged Calibrated Balancing Valve (CB-12F).....	14,641.19	692.01
23 05 23 00-0542 EA 4" Grooved Calibrated Balancing Valve (CB-4G).....	1,721.68	37.25
23 05 23 00-0543 EA 5" Grooved Calibrated Balancing Valve (CB-5G).....	1,986.32	46.59
23 05 23 00-0544 EA 6" Grooved Calibrated Balancing Valve (CB-6G).....	2,638.59	59.74
23 05 23 00-0545 EA 8" Grooved Calibrated Balancing Valve (CB-8G).....	4,919.12	75.81
23 05 23 00-0546 EA 10" Grooved Calibrated Balancing Valve (CB-10G).....	6,603.65	84.95
23 05 23 00-0547 EA 12" Grooved Calibrated Balancing Valve (CB-12G).....	13,557.57	103.59
23 05 23 00-0548 Butterfly Valves (23 05 23)		
23 05 23 00-0549 Cast Iron Body, Iron Disc, Butterfly Valves (23 05 23 00-0548)		
Note: With on-off handle, 150 PSI wafer type.		
23 05 23 00-0550 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	263.24	144.27
For 200 PSI, Add	39.77	
For 175 PSI, Add	14.50	
For Work In Restricted Working Space, Add	54.11	
23 05 23 00-0551 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	268.80	144.44
For 200 PSI, Add	42.09	
For 175 PSI, Add	15.34	
For Work In Restricted Working Space, Add	54.34	
23 05 23 00-0552 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	306.37	169.35
For 200 PSI, Add	45.32	
For 175 PSI, Add	16.52	
For Work In Restricted Working Space, Add	63.59	
23 05 23 00-0553 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	474.28	283.90
For 200 PSI, Add	56.88	
For 175 PSI, Add	20.74	
For Work In Restricted Working Space, Add	106.73	
23 05 23 00-0554 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	581.14	328.84
For 200 PSI, Add	80.93	
For 175 PSI, Add	29.51	
For Work In Restricted Working Space, Add	123.76	
23 05 23 00-0555 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	662.92	365.39
For 200 PSI, Add	98.97	
For 175 PSI, Add	36.08	
For Work In Restricted Working Space, Add	137.02	
23 05 23 00-0556 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	832.22	420.20
For 200 PSI, Add	148.92	
For 175 PSI, Add	54.29	
For Work In Restricted Working Space, Add	156.59	
23 05 23 00-0557 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,240.65	511.54
For 200 PSI, Add	288.59	
For 175 PSI, Add	105.22	
For Work In Restricted Working Space, Add	191.83	
23 05 23 00-0558 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,541.05	621.16
For 200 PSI, Add	367.68	
For 175 PSI, Add	134.05	
For Work In Restricted Working Space, Add	232.52	
23 05 23 00-0559 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves (23 05 23 00-0548)		
23 05 23 00-0560 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	407.77	144.27
For Work In Restricted Working Space, Add	54.11	
23 05 23 00-0561 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	410.43	144.44
For Work In Restricted Working Space, Add	54.34	
23 05 23 00-0562 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	452.83	169.35
For Work In Restricted Working Space, Add	63.59	
23 05 23 00-0563 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	627.48	283.90
For Work In Restricted Working Space, Add	106.73	
23 05 23 00-0564 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	750.72	328.84
For Work In Restricted Working Space, Add	123.76	
23 05 23 00-0565 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	831.48	365.39
For Work In Restricted Working Space, Add	137.02	
23 05 23 00-0566 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,007.58	420.20
For Work In Restricted Working Space, Add	156.59	
23 05 23 00-0567 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,266.66	511.54
For Work In Restricted Working Space, Add	191.83	
23 05 23 00-0568 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,686.53	621.16
For Work In Restricted Working Space, Add	232.52	
23 05 23 00-0569 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves (23 05 23 00-0548)		
23 05 23 00-0570 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,592.10	723.76
For 200 PSI, Add	585.75	
For 175 PSI, Add	203.39	
For Work In Restricted Working Space, Add	289.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0571 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,247.47	849.21
For 200 PSI, Add	786.95	
For 175 PSI, Add	273.25	
For Work In Restricted Working Space, Add	318.45	
23 05 23 00-0572 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,427.26	945.70
For 200 PSI, Add	1,169.21	
For 175 PSI, Add	405.98	
For Work In Restricted Working Space, Add	353.84	
23 05 23 00-0573 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	5,622.50	1,061.50
For 200 PSI, Add	1,546.42	
For 175 PSI, Add	536.95	
For Work In Restricted Working Space, Add	398.06	
23 05 23 00-0574 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,498.41	1,302.76
For 200 PSI, Add	2,111.52	
For 175 PSI, Add	733.17	
For Work In Restricted Working Space, Add	489.92	
23 05 23 00-0575 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	15,390.71	2,200.24
For 200 PSI, Add	4,532.55	
For 175 PSI, Add	1,573.80	
For Work In Restricted Working Space, Add	840.09	
23 05 23 00-0576 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	19,497.34	3,000.33
For 200 PSI, Add	5,758.91	
For 175 PSI, Add	1,999.62	
For Work In Restricted Working Space, Add	1,050.11	
23 05 23 00-0577 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	24,055.67	4,400.48
For 200 PSI, Add	6,721.37	
For 175 PSI, Add	2,333.81	
For Work In Restricted Working Space, Add	1,615.56	
23 05 23 00-0578 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	29,397.21	5,500.60
For 200 PSI, Add	8,062.72	
For 175 PSI, Add	2,799.56	
For Work In Restricted Working Space, Add	2,100.23	
23 05 23 00-0579 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	35,608.63	6,600.72
For 200 PSI, Add	9,668.76	
For 175 PSI, Add	3,357.21	
For Work In Restricted Working Space, Add	2,625.29	
23 05 23 00-0580 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB ^(23 05 23 00-0548)		
Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0581 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	222.94	13.53
For Work In Restricted Working Space, Add	17.09	
23 05 23 00-0582 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	248.63	14.39
For Work In Restricted Working Space, Add	21.65	
23 05 23 00-0583 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	307.69	16.66
For Work In Restricted Working Space, Add	24.98	
23 05 23 00-0584 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	382.40	19.70
For Work In Restricted Working Space, Add	29.52	
23 05 23 00-0585 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB	513.60	26.59
For Work In Restricted Working Space, Add	39.85	
23 05 23 00-0586 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB ^(23 05 23 00-0548)		
Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0587 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	319.56	13.53
For Work In Restricted Working Space, Add	17.09	
23 05 23 00-0588 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	351.47	14.39
For Work In Restricted Working Space, Add	21.65	
23 05 23 00-0589 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	418.74	16.66
For Work In Restricted Working Space, Add	24.98	
23 05 23 00-0590 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	500.68	19.70
For Work In Restricted Working Space, Add	29.52	
23 05 23 00-0591 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB	644.41	26.59
For Work In Restricted Working Space, Add	39.85	
23 05 29 Hangers And Supports For HVAC Piping And Equipment ^(23 05)		
23 05 29 00-0001 Hangers And Supports ^(23 05 29)		
23 05 29 00-0002 Clevis Hangers ^(23 05 29 00-0001)		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) ^(23 05 29 00-0002)		
Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100)	19.50	8.97
For Work In Restricted Working Space, Add	5.38	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100)	21.49	9.96
For Work In Restricted Working Space, Add	5.98	
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100)	22.60	9.96
For Work In Restricted Working Space, Add	6.29	
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	23.43	10.78
For Work In Restricted Working Space, Add	6.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	23.63 6.47	10.78
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	24.62 6.64	10.96
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	26.80 6.83	11.35
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	28.50 7.03	11.95
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.86 7.50	13.13
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	32.65 7.97	13.95
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	41.80 10.01	16.68
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	50.26 11.96	19.92
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	67.05 14.94	24.91
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	97.14 19.92	33.87
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	113.44 22.42	37.35
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	140.20 25.70	41.84
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	173.64 29.88	49.81
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	216.47 37.36	62.26
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	342.64 44.83	74.72
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	515.63 52.30	87.16
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	23.67 5.38	8.97
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	25.66 5.98	9.96
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	26.86 6.29	9.96
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	27.77 6.47	10.78
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	28.30 6.47	10.78
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.03 6.64	10.96
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	32.18 6.83	11.35
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	33.70 7.03	11.95
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	37.83 7.97	13.95
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	41.35 7.97	13.95
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	66.32 10.01	16.68
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	81.96 11.96	19.92
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	97.96 14.94	24.91
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	19.35 5.38	8.97
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	21.37 5.98	9.96
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	22.57 6.29	9.96
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.19 6.47	10.78
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.31 6.47	10.78
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.97 6.64	10.96
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	25.95 6.83	11.35
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	27.05 7.03	11.95
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	30.50 7.97	13.95
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	31.32 7.97	13.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	26.58	9.96
<i>For Work In Restricted Working Space, Add</i>	5.98	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	27.69	9.96
<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	28.28	10.78
<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	29.10	10.78
<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.07	10.96
<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.16	11.35
<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.74	11.95
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	41.47	13.95
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	52.30	16.68
<i>For Work In Restricted Working Space, Add</i>	10.01	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	64.34	19.92
<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	90.15	24.91
<i>For Work In Restricted Working Space, Add</i>	14.94	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	126.07	33.87
<i>For Work In Restricted Working Space, Add</i>	19.92	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	141.62	37.35
<i>For Work In Restricted Working Space, Add</i>	22.42	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <small>(23 05 29 00-0002)</small>		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	32.05	10.96
<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	34.08	11.35
<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.78	11.95
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	39.69	13.95
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	41.76	13.95
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	51.92	16.68
<i>For Work In Restricted Working Space, Add</i>	10.01	
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	60.73	19.92
<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	80.15	24.91
<i>For Work In Restricted Working Space, Add</i>	14.94	
23 05 29 00-0072 Adjustable Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <small>(23 05 29 00-0072)</small>		
Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	17.77	7.89
<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.51	8.75
<i>For Work In Restricted Working Space, Add</i>	5.25	
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.42	9.72
<i>For Work In Restricted Working Space, Add</i>	5.83	
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.66	10.79
<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.86	11.34
<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.57	11.88
<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.21	12.42
<i>For Work In Restricted Working Space, Add</i>	7.45	
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	31.56	12.96
<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.37	14.58
<i>For Work In Restricted Working Space, Add</i>	8.75	
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) <small>(23 05 29 00-0072)</small>		
Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.84	9.96
<i>For Work In Restricted Working Space, Add</i>	5.98	
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.98	9.96
<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.15	10.96
<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.56	11.95
<i>For Work In Restricted Working Space, Add</i>	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i>	27.68 7.97	13.95
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i>	29.64 8.54	13.95
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i>	32.57 9.20	14.94
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i>	35.21 9.96	16.93
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.05 10.91 17.75 22.87	18.18
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i>	42.54 11.96	19.92
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.41 13.45 36.89 47.52	22.41
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	55.49 14.94 37.49 48.28	24.91
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	66.50 17.93 44.48 57.29	29.88
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.29 5.98 9.04 11.65	9.96
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.34 6.29 9.04 11.65	9.96
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.51 6.64 9.04 11.65	10.96
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.81 7.03 9.04 11.65	11.95
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.04 7.97 9.77 12.58	13.95
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.94 8.54 9.77 12.58	13.95
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.54 9.20 25.67 33.07	14.94
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	38.01 9.96 31.75 40.89	16.93
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	41.55 10.91 34.25 44.12	18.18
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	46.17 11.96 41.71 53.72	19.92
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.23 13.45 42.31 54.49	22.41
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	59.09 14.94 61.25 78.88	24.91
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110) Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	28.98 4.78	7.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	31.95 5.38	8.97
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	35.72 6.28	10.46
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	41.07 7.18	11.96
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	55.81 8.07	13.46
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	50.71 8.97	14.95
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	62.91 10.76	17.93
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	83.79 12.56	20.93
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	99.37 14.95	24.92
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	43.72 8.12	14.08
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	45.67 8.71 109.89 141.53	14.51
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	49.51 9.28	15.16
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	57.19 9.74 163.15 210.12	16.24
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	60.80 10.82	18.41
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	68.49 11.89 190.54 245.40	19.82
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	79.14 12.99	21.66
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	107.78 16.24	27.07
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	136.09 21.65	36.81
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	175.16 24.36	40.60
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	353.49 27.93	46.55
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i>	442.49 32.48	54.13
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	42.63 8.12	14.08
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	45.91 8.71	14.51
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	48.21 9.28	15.16
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	54.47 9.74	16.24
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	60.69 10.82	18.41
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	66.36 11.89	19.82
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	80.54 12.99	21.66
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	104.47 16.24	27.07
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	135.32 21.65	36.81
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	173.15 24.36	40.60
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	189.56 27.93	46.55
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	227.98 32.48	54.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	305.80 40.60	67.66
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	377.67 48.72	81.20
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	47.75 8.12	14.08
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	53.48 8.71	14.51
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	56.29 9.28	15.16
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	59.42 9.74	16.24
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	71.04 10.82	18.41
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	80.37 11.89	19.82
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	93.20 12.99	21.66
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	130.52 16.24	27.07
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	163.42 21.65	36.81
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	188.71 24.36	40.60
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	264.03 27.93	46.55
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	316.05 32.48	54.13
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	360.61 40.60	67.66
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	48.04 8.12	14.08
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	53.74 8.71	14.51
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	56.73 9.28	15.16
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	59.03 9.74	16.24
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	74.03 10.82	18.41
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	83.90 11.89	19.82
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	97.39 12.99	21.66
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	137.03 16.24	27.07
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	171.23 21.65	36.81
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	197.84 24.36	40.60
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	278.64 27.93	46.55
23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001)		
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0175) Note: Type 4.		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	16.84 3.89	6.48
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	17.05 3.95	6.59
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	17.29 4.02	6.69
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	18.69 4.08	6.80
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	18.91 4.15	6.91
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	20.01 4.21	7.02
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	20.80 4.34	7.23
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	21.97 4.47	7.45
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	25.12 4.54	7.55
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	29.43 5.83	9.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	41.88 7.77	12.96
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	56.88 9.72	16.19
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	66.89 11.34	18.89
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	95.66 12.96	21.60
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	128.66 14.25	23.76
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	204.14 15.55	25.91
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	221.27 16.85	28.07
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	354.62 18.14	30.24
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	409.28 19.44	32.39
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140) <i>For Work In Restricted Working Space, Add</i>	531.33 21.38	35.63
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	32.44 4.15	6.98
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	42.00 4.15	6.98
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	46.00 4.33	7.22
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	72.29 4.51	7.47
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	78.60 4.78	7.97
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	132.95 4.77	7.97
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	214.03 5.38	8.97
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	271.13 5.98	9.96
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	295.14 7.17	11.95
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	911.03 8.37	13.95
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	1,046.88 8.96	14.94
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <i>For Work In Restricted Working Space, Add</i>	1,340.00 9.56	15.94
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)		
Note: Type 8.		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	16.80 3.59	5.97
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	17.46 3.65	6.07
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	17.72 3.71	6.17
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	19.03 3.77	6.27
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	19.73 3.83	6.37
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	20.20 3.89	6.48
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	21.04 4.01	6.68
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	22.23 4.12	6.88
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	24.27 4.19	6.98
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	29.62 5.38	8.97
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	38.40 7.17	11.95
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	48.63 8.96	14.94
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	65.57 10.46	17.43
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	85.28 11.96	19.92
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	102.51 13.15	21.92
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	136.10 14.35	23.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373) <i>For Work In Restricted Working Space, Add</i>	253.32 15.54	25.90
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	28.33 3.59	5.97
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	28.78 3.65	6.07
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	29.93 3.71	6.17
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	31.89 3.77	6.27
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	35.82 3.83	6.37
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	37.97 3.89	6.48
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	41.00 4.01	6.68
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	44.91 4.12	6.88
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	60.73 5.38	8.97
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
Note: Type 42		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	61.93 4.15	6.98
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	65.78 4.51	7.47
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	72.16 4.78	7.97
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	76.87 4.77	7.97
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	92.82 5.38	8.97
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	283.25 5.98	9.96
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	379.08 7.17	11.95
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	451.61 8.37	13.95
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	142.45 8.96	14.94
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	903.36 9.56	15.94
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	57.32 4.15	6.98
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	61.82 4.51	7.47
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	106.61 4.78	7.97
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	118.28 4.77	7.97
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	169.17 5.38	8.97
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	258.33 5.98	9.96
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	346.13 7.17	11.95
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	411.89 8.37	13.95
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	600.59 8.96	14.94
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	820.79 9.56	15.94
23 05 29 00-0260 Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)		
Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	27.68 5.51	9.18
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	29.31 5.83	9.72
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	31.94 6.48	10.79
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	34.32 6.80	11.34

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171)	36.98	11.88
<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	44.97	12.42
<i>For Work In Restricted Working Space, Add</i>	7.45	
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171)	49.16	12.96
<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171)	64.61	14.58
<i>For Work In Restricted Working Space, Add</i>	8.75	
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171)	82.11	18.36
<i>For Work In Restricted Working Space, Add</i>	11.01	
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171)	108.91	21.60
<i>For Work In Restricted Working Space, Add</i>	12.96	
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260)		
Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	18.48	7.58
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	19.46	7.58
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.47	9.74
<i>For Work In Restricted Working Space, Add</i>	5.41	
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.25	9.74
<i>For Work In Restricted Working Space, Add</i>	5.70	
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.75	9.74
<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	29.90	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	39.02	10.82
<i>For Work In Restricted Working Space, Add</i>	6.76	
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	43.17	11.90
<i>For Work In Restricted Working Space, Add</i>	7.06	
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	46.06	12.99
<i>For Work In Restricted Working Space, Add</i>	7.73	
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0260)		
Note: Type 12.		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	18.48	7.58
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	19.46	8.12
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.47	9.20
<i>For Work In Restricted Working Space, Add</i>	5.41	
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.25	9.74
<i>For Work In Restricted Working Space, Add</i>	5.70	
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.75	9.74
<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	29.90	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	39.02	11.37
<i>For Work In Restricted Working Space, Add</i>	6.76	
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	43.17	11.90
<i>For Work In Restricted Working Space, Add</i>	7.06	
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292 Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180) (23 05 29 00-0291)		
Note: Type 26.		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	13.73	5.41
<i>For Work In Restricted Working Space, Add</i>	3.25	
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	14.48	6.49
<i>For Work In Restricted Working Space, Add</i>	3.42	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	15.18	6.49
<i>For Work In Restricted Working Space, Add</i>	3.61	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	16.01	6.49
<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	16.91	7.58
<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	18.07	7.58
<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	25.61	7.58
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	28.17	7.58
<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	33.33	9.74
<i>For Work In Restricted Working Space, Add</i>	5.84	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	40.75	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	46.62	11.90
<i>For Work In Restricted Working Space, Add</i>	7.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0304 2-Hole Copper Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" 2-Hole Copper Straps.....	5.60	
For Work In Restricted Working Space, Add	1.62	
23 05 29 00-0306 EA 3/4" 2-Hole Copper Straps.....	6.00	
For Work In Restricted Working Space, Add	1.70	
23 05 29 00-0307 EA 1" 2-Hole Copper Straps.....	2.84	
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0308 Black Malleable Iron Clamps, 1 Hole (23 05 29 00-0291)		
23 05 29 00-0309 EA 1/2" Galvanized Steel Strap, 1 Hole.....	2.44	
For Work In Restricted Working Space, Add	0.54	
23 05 29 00-0310 EA 3/4" Galvanized Steel Strap, 1 Hole.....	2.69	
For Work In Restricted Working Space, Add	0.58	
23 05 29 00-0311 EA 1" Galvanized Steel Strap, 1 Hole.....	3.23	
For Work In Restricted Working Space, Add	0.62	
23 05 29 00-0312 EA 1-1/4" Galvanized Steel Strap, 1 Hole.....	3.70	
For Work In Restricted Working Space, Add	0.68	
23 05 29 00-0313 EA 1-1/2" Galvanized Steel Strap, 1 Hole.....	4.18	
For Work In Restricted Working Space, Add	0.74	
23 05 29 00-0314 EA 2" Galvanized Steel Strap, 1 Hole.....	5.43	
For Work In Restricted Working Space, Add	0.81	
23 05 29 00-0315 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0316 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0315)		
Note: Up to 750# load.		
23 05 29 00-0317 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	103.86	11.95
For Galvanized, Add	15.99	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0318 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	105.32	11.95
For Galvanized, Add	16.28	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0319 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	111.10	11.95
For Galvanized, Add	17.44	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0320 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0315)		
Note: Up to 1500# load.		
23 05 29 00-0321 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	245.12	11.95
For Galvanized, Add	44.24	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0322 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	286.71	11.95
For Galvanized, Add	52.56	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0323 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	371.51	11.95
For Galvanized, Add	69.52	
For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0324 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0325 EA 1-1/2" Sway Bracing	88.73	13.15
For Work In Restricted Working Space, Add	7.86	
23 05 29 00-0326 EA 2" Sway Bracing.....	91.68	13.85
For Work In Restricted Working Space, Add	8.30	
23 05 29 00-0327 EA 3" Sway Bracing.....	95.21	14.64
For Work In Restricted Working Space, Add	8.79	
23 05 29 00-0328 EA 4" Sway Bracing.....	108.05	16.64
For Work In Restricted Working Space, Add	9.96	
23 05 29 00-0329 EA 6" Sway Bracing.....	158.96	24.91
For Work In Restricted Working Space, Add	14.94	
23 05 29 00-0330 EA 8" Sway Bracing.....	178.82	31.08
For Work In Restricted Working Space, Add	18.68	
23 05 29 00-0331 EA 10" Sway Bracing.....	206.54	41.54
For Work In Restricted Working Space, Add	24.90	
23 05 29 00-0332 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0333 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	119.84	9.96
For Work In Restricted Working Space, Add	5.98	
23 05 29 00-0334 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	123.14	10.96
For Work In Restricted Working Space, Add	6.58	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0335 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	208.36	12.45
<i>For Work In Restricted Working Space, Add</i>	7.47	
23 05 29 00-0336 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	264.17	13.95
<i>For Work In Restricted Working Space, Add</i>	8.37	
23 05 29 00-0337 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	268.94	15.44
<i>For Work In Restricted Working Space, Add</i>	9.26	
23 05 29 00-0338 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	292.50	17.43
<i>For Work In Restricted Working Space, Add</i>	10.46	
23 05 29 00-0339 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	351.96	18.92
<i>For Work In Restricted Working Space, Add</i>	11.36	
23 05 29 00-0340 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	357.29	20.42
<i>For Work In Restricted Working Space, Add</i>	12.25	
23 05 29 00-0341 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	364.22	22.41
<i>For Work In Restricted Working Space, Add</i>	13.45	
23 05 29 00-0342 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	378.64	24.40
<i>For Work In Restricted Working Space, Add</i>	14.64	
23 05 29 00-0343 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	402.95	26.90
<i>For Work In Restricted Working Space, Add</i>	16.14	
23 05 29 00-0344 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	416.53	29.88
<i>For Work In Restricted Working Space, Add</i>	17.93	
23 05 29 00-0345 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	505.06	32.87
<i>For Work In Restricted Working Space, Add</i>	19.73	
23 05 29 00-0346 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	546.31	36.86
<i>For Work In Restricted Working Space, Add</i>	22.12	
23 05 29 00-0347 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	769.43	40.84
<i>For Work In Restricted Working Space, Add</i>	24.50	
23 05 29 00-0348 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	915.27	44.82
<i>For Work In Restricted Working Space, Add</i>	26.90	
23 05 29 00-0349 EA 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,070.09	48.81
<i>For Work In Restricted Working Space, Add</i>	29.29	
23 05 29 00-0350 Channel Mounted Cushion Clamp <small>(23 05 29 00-0001)</small>		
Note: Includes fastening into channel.		
23 05 29 00-0351 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe	12.71	4.48
23 05 29 00-0352 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe	13.38	4.98
23 05 29 00-0353 EA 7/8" Channel Mounted Cushion Clamp For 3/4" Pipe	14.44	5.23
23 05 29 00-0354 EA 1-1/8" Channel Mounted Cushion Clamp For 1" Pipe	15.54	5.48
23 05 29 00-0355 EA 1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe	17.45	5.97
23 05 29 00-0356 EA 1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe	19.05	6.22
23 05 29 00-0357 EA 2-1/8" Channel Mounted Cushion Clamp For 2" Pipe	24.76	6.48
23 05 29 00-0358 EA 2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe	28.54	6.98
23 05 29 00-0359 EA 3-1/8" Channel Mounted Cushion Clamp For 3" Pipe	36.08	7.97
23 05 29 00-0360 EA 4-1/8" Channel Mounted Cushion Clamp For 4" Pipe	50.57	8.97
23 05 29 00-0361 Galvanized Steel Cushion Tube Clamp <small>(23 05 29 00-0001)</small>		
Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0362 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe	3.50	
Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0363 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe	3.57	
Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0364 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe	3.62	
Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0365 EA 5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe	3.73	
Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0366 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe	3.59	
Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0367 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe	3.80	
Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0368 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe	3.67	
Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0369 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe	3.92	
Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0370 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe	3.93	
Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0371 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	3.78	
Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0372	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.90	
23 05 29 00-0373	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.24	
23 05 29 00-0374	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.91	
23 05 29 00-0375	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.13	
23 05 29 00-0376	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.50	
23 05 29 00-0377	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe..... Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.54	
23 05 29 00-0378	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe..... Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.74	
23 05 29 00-0379	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.14	
23 05 29 00-0380	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.27	
23 05 29 00-0381	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.87	
23 05 29 00-0382	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.92	
23 05 29 00-0383	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe..... Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.39	
23 05 29 00-0384	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe..... Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.87	
23 05 29 00-0385	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.16	
23 05 29 00-0386	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.55	
23 05 29 00-0387	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.84	
23 05 29 00-0388	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.97	
23 05 29 00-0389	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe..... Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.51	
23 05 29 00-0390	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe..... Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.94	
23 05 29 00-0391	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe..... Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.22	
23 05 29 00-0392		Rooftop Pipe Supports (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0393		Rooftop Support Base (23 05 29 00-0392)		
23 05 29 00-0394	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	29.85	8.12
23 05 29 00-0395	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	42.64	10.82
23 05 29 00-0396		Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0392)		
23 05 29 00-0397	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	37.10	8.12
23 05 29 00-0398	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	53.51	10.82
23 05 29 00-0399	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	93.88	13.53
23 05 29 00-0400	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	124.07	16.23
23 05 29 00-0401	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	146.32	18.94
23 05 29 00-0402	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	171.84	21.65
23 05 29 00-0403		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0392)		
23 05 29 00-0404	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	61.93	10.82
23 05 29 00-0405	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	110.60	13.53
23 05 29 00-0406	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	146.98	16.23
23 05 29 00-0407	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	224.09	18.94
23 05 29 00-0408	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	253.17	16.23
23 05 29 00-0409		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0392)		
23 05 29 00-0410	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	116.58	16.23
23 05 29 00-0411	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	131.12	18.94
23 05 29 00-0412	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	138.17	21.65
23 05 29 00-0413	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	150.02	24.35
23 05 29 00-0414	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	165.13	27.06
23 05 29 00-0415		Rooftop Pipe Support Base And Rod (23 05 29 00-0392)		
23 05 29 00-0416	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	68.36	10.82
23 05 29 00-0417	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	68.36	10.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0418 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	68.83	10.82
23 05 29 00-0419 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	74.59	13.53
23 05 29 00-0420 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	74.70	13.53
23 05 29 00-0421 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	75.29	13.53
23 05 29 00-0422 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0392)</small>		
23 05 29 00-0423 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	107.18	10.82
23 05 29 00-0424 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	119.80	10.82
23 05 29 00-0425 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	157.02	13.53
23 05 29 00-0426 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	218.63	13.53
23 05 29 00-0427 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	283.06	13.53
23 05 29 00-0428 Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0392)</small>		
Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0429 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	107.58	16.23
23 05 29 00-0430 Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0392)</small>		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0431 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	80.55	13.53
23 05 29 00-0432 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	101.62	16.23
23 05 29 00-0433 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	115.69	18.94
23 05 29 00-0434 Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0392)</small>		
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0435 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	321.50	21.65
23 05 29 00-0436 EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	325.01	21.65
23 05 29 00-0437 EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	337.75	21.65
23 05 29 00-0438 EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	366.52	21.65
23 05 29 00-0439 EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	323.61	21.65
23 05 29 00-0440 EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	327.35	21.65
23 05 29 00-0441 EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	339.74	21.65
23 05 29 00-0442 EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	368.62	21.65
23 05 29 00-0443 EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	329.57	21.65
23 05 29 00-0444 EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	333.54	21.65
23 05 29 00-0445 EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	346.05	21.65
23 05 29 00-0446 EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	374.82	21.65
23 05 29 00-0447 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	344.07	21.65
23 05 29 00-0448 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	347.93	21.65
23 05 29 00-0449 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	360.08	21.65
23 05 29 00-0450 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	389.08	21.65
23 05 29 00-0451 Threaded Rod, Accessories And Attachments <small>(23 05 29)</small>		
23 05 29 00-0452 Threaded Rod And Rod Accessories <small>(23 05 29 00-0451)</small>		
23 05 29 00-0453 Threaded Rod <small>(23 05 29 00-0452)</small>		
Note: Fully threaded.		
23 05 29 00-0454 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.65	0.68
For Galvanized, Add	0.52	
For Zinc Plated, Add	0.37	
For Work In Restricted Working Space, Add	0.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0455 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.49	0.72
<i>For Galvanized, Add</i>	0.82	
<i>For Zinc Plated, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	0.43	
23 05 29 00-0456 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.68	0.74
<i>For Galvanized, Add</i>	1.27	
<i>For Zinc Plated, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	0.45	
23 05 29 00-0457 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.32	0.76
<i>For Galvanized, Add</i>	2.31	
<i>For Zinc Plated, Add</i>	1.65	
<i>For Work In Restricted Working Space, Add</i>	0.46	
23 05 29 00-0458 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.94	0.79
<i>For Galvanized, Add</i>	2.54	
<i>For Zinc Plated, Add</i>	1.81	
<i>For Work In Restricted Working Space, Add</i>	0.48	
23 05 29 00-0459 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.72	0.89
<i>For Galvanized, Add</i>	3.57	
<i>For Zinc Plated, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	0.54	
23 05 29 00-0460 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.25	1.01
<i>For Galvanized, Add</i>	4.50	
<i>For Zinc Plated, Add</i>	3.21	
<i>For Work In Restricted Working Space, Add</i>	0.60	
23 05 29 00-0461 Rod Couplings <small>(23 05 29 00-0452)</small>		
23 05 29 00-0462 EA 3/8" Diameter, Threaded Rod Coupling Nut	7.53	
<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0463 EA 1/2" Diameter, Threaded Rod Coupling Nut	8.49	
<i>For Work In Restricted Working Space, Add</i>	2.21	
23 05 29 00-0464 EA 5/8" Diameter, Threaded Rod Coupling Nut	10.29	
<i>For Work In Restricted Working Space, Add</i>	2.49	
23 05 29 00-0465 EA 3/4" Diameter, Threaded Rod Coupling Nut	12.16	
<i>For Work In Restricted Working Space, Add</i>	2.72	
23 05 29 00-0466 EA 7/8" Diameter, Threaded Rod Coupling Nut	16.63	
<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0467 EA 1" Diameter, Threaded Rod Coupling Nut	19.68	
<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0468 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	34.36	
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0469 Flat Washers <small>(23 05 29 00-0452)</small>		
Note: Zinc plated.		
23 05 29 00-0470 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.53	0.22
<i>For Galvanized, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	0.14	
23 05 29 00-0471 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.22
<i>For Galvanized, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	0.15	
23 05 29 00-0472 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.93	0.32
<i>For Galvanized, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0473 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.24	0.32
<i>For Galvanized, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0474 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.46	0.43
<i>For Galvanized, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	0.27	
23 05 29 00-0475 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.69	0.43
<i>For Galvanized, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	0.30	
23 05 29 00-0476 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.90	0.54
<i>For Galvanized, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0477 Hex Nuts <small>(23 05 29 00-0452)</small>		
Note: Grade 2 and zinc plated.		
23 05 29 00-0478 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.67	0.27
<i>For Galvanized, Add</i>	0.02	
<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0479 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.27
<i>For Galvanized, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	0.20	
23 05 29 00-0480 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.04	0.27
<i>For Galvanized, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0481 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.19	0.54
<i>For Galvanized, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0482 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.61	0.54
<i>For Galvanized, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	0.24	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0483 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.02	0.54
For Galvanized, Add	0.28	
For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0484 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.13	0.54
For Galvanized, Add	0.53	
For Work In Restricted Working Space, Add	0.30	
23 05 29 00-0485 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0452)		
Note: Type 13.		
23 05 29 00-0486 EA 3/8" Turnbuckle (Cooper B-Line B3202).....	23.83	5.41
For Work In Restricted Working Space, Add	3.25	
23 05 29 00-0487 EA 1/2" Turnbuckle (Cooper B-Line B3202).....	28.20	5.95
For Work In Restricted Working Space, Add	3.61	
23 05 29 00-0488 EA 5/8" Turnbuckle (Cooper B-Line B3202).....	30.45	6.49
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0489 EA 3/4" Turnbuckle (Cooper B-Line B3202).....	38.11	7.58
For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0490 EA 7/8" Turnbuckle (Cooper B-Line B3202).....	49.10	8.12
For Work In Restricted Working Space, Add	5.42	
23 05 29 00-0491 EA 1" Turnbuckle (Cooper B-Line B3202).....	60.86	8.66
For Work In Restricted Working Space, Add	6.50	
23 05 29 00-0492 EA 1-1/8" Turnbuckle (Cooper B-Line B3202).....	84.05	9.74
For Work In Restricted Working Space, Add	8.12	
23 05 29 00-0493 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0452)		
Note: Type 15.		
23 05 29 00-0494 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	15.61	5.41
For Work In Restricted Working Space, Add	3.25	
23 05 29 00-0495 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	17.99	6.06
For Work In Restricted Working Space, Add	3.61	
23 05 29 00-0496 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	23.56	6.72
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0497 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	28.35	7.69
For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0498 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0452)		
Note: Type 14.		
23 05 29 00-0499 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	77.35	9.96
For Work In Restricted Working Space, Add	5.98	
23 05 29 00-0500 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	113.04	10.46
For Work In Restricted Working Space, Add	6.29	
23 05 29 00-0501 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	122.19	10.96
For Work In Restricted Working Space, Add	6.64	
23 05 29 00-0502 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	127.29	11.95
For Work In Restricted Working Space, Add	7.03	
23 05 29 00-0503 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	134.21	13.45
For Work In Restricted Working Space, Add	7.97	
23 05 29 00-0504 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	222.46	17.43
For Work In Restricted Working Space, Add	10.46	
23 05 29 00-0505 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	241.70	19.92
For Work In Restricted Working Space, Add	11.96	
23 05 29 00-0506 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	285.30	24.91
For Work In Restricted Working Space, Add	14.94	
23 05 29 00-0507 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0452)		
23 05 29 00-0508 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	23.82	5.84
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0509 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	24.58	5.95
For Work In Restricted Working Space, Add	3.59	
23 05 29 00-0510 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	25.31	6.06
For Work In Restricted Working Space, Add	3.65	
23 05 29 00-0511 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	25.54	6.17
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0512 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	27.04	6.38
For Work In Restricted Working Space, Add	3.86	
23 05 29 00-0513 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	28.78	6.81
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0514 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	29.98	7.15
For Work In Restricted Working Space, Add	4.26	
23 05 29 00-0515 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	32.24	7.47
For Work In Restricted Working Space, Add	4.47	
23 05 29 00-0516 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	33.96	7.79
For Work In Restricted Working Space, Add	4.67	
23 05 29 00-0517 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	35.69	8.12
For Work In Restricted Working Space, Add	4.87	
23 05 29 00-0518 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	31.38	6.49
For Work In Restricted Working Space, Add	3.89	
23 05 29 00-0519 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	32.13	6.61
For Work In Restricted Working Space, Add	3.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0520 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	32.91 4.04	6.72
23 05 29 00-0521 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	33.67 4.11	6.82
23 05 29 00-0522 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	35.21 4.26	7.04
23 05 29 00-0523 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	38.03 4.47	7.47
23 05 29 00-0524 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.33 4.69	7.79
23 05 29 00-0525 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	43.15 4.90	8.12
23 05 29 00-0526 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	45.43 5.12	8.56
23 05 29 00-0527 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.74 5.33	8.88
23 05 29 00-0528 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	41.86 4.36	7.25
23 05 29 00-0529 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	43.15 4.43	7.36
23 05 29 00-0530 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	44.46 4.51	7.47
23 05 29 00-0531 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	45.23 4.58	7.69
23 05 29 00-0532 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.31 4.73	7.90
23 05 29 00-0533 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.69 4.96	8.22
23 05 29 00-0534 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	54.06 5.18	8.66
23 05 29 00-0535 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.91 5.41	8.99
23 05 29 00-0536 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	60.28 5.63	9.42
23 05 29 00-0537 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	63.64 5.85	9.74
23 05 29 00-0538 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	51.19 4.95	8.22
23 05 29 00-0539 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	53.03 5.03	8.33
23 05 29 00-0540 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	54.33 5.11	8.56
23 05 29 00-0541 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.17 5.18	8.66
23 05 29 00-0542 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	59.31 5.34	8.88
23 05 29 00-0543 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	63.74 5.57	9.31
23 05 29 00-0544 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	68.18 5.80	9.63
23 05 29 00-0545 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	73.18 6.03	10.06
23 05 29 00-0546 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	78.12 6.26	10.40
23 05 29 00-0547 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	82.58 6.49	10.83
23 05 29 00-0548 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.18 5.75	9.53
23 05 29 00-0549 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	63.55 5.82	9.74
23 05 29 00-0550 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	65.41 5.91	9.85
23 05 29 00-0551 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	67.25 5.99	9.96
23 05 29 00-0552 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	70.93 6.14	10.29
23 05 29 00-0553 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	76.98 6.38	10.61
23 05 29 00-0554 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	82.52 6.63	11.04
23 05 29 00-0555 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	88.56 6.86	11.47
23 05 29 00-0556 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	94.10 7.11	11.80
23 05 29 00-0557 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	99.63 7.35	12.24
23 05 29 00-0558 EA 1" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	76.45 6.86	11.47
23 05 29 00-0559 EA 1" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	78.85 6.95	11.58
23 05 29 00-0560 EA 1" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	81.26 7.04	11.69
23 05 29 00-0561 EA 1" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	83.67 7.13	11.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0562 EA 1" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.45 7.31	12.24
23 05 29 00-0563 EA 1" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	95.67 7.58	12.67
23 05 29 00-0564 EA 1" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	102.90 7.85	13.10
23 05 29 00-0565 EA 1" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	110.60 8.12	13.53
23 05 29 00-0566 EA 1" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	117.80 8.39	13.96
23 05 29 00-0567 EA 1" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.02 8.66	14.40
23 05 29 00-0568 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0452)		
23 05 29 00-0569 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	48.43 4.76	7.90
23 05 29 00-0570 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	49.73 4.90	8.12
23 05 29 00-0571 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	51.05 5.03	8.44
23 05 29 00-0572 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	51.74 5.24	8.76
23 05 29 00-0573 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	54.14 5.44	9.10
23 05 29 00-0574 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	57.28 5.84	9.74
23 05 29 00-0575 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	59.49 6.25	10.39
23 05 29 00-0576 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.48 6.65	11.15
23 05 29 00-0577 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	62.09 5.26	8.77
23 05 29 00-0578 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	63.45 5.41	8.99
23 05 29 00-0579 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	64.83 5.55	9.20
23 05 29 00-0580 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.42 5.77	9.63
23 05 29 00-0581 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	68.88 5.98	9.96
23 05 29 00-0582 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.82 6.41	10.72
23 05 29 00-0583 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	77.90 6.85	11.37
23 05 29 00-0584 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.85 7.28	12.12
23 05 29 00-0585 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.51 5.88	9.74
23 05 29 00-0586 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.72 6.02	10.06
23 05 29 00-0587 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	87.00 6.17	10.29
23 05 29 00-0588 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.62 6.40	10.72
23 05 29 00-0589 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.00 6.62	11.04
23 05 29 00-0590 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	97.87 7.07	11.80
23 05 29 00-0591 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	103.73 7.52	12.56
23 05 29 00-0592 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	108.72 7.97	13.31
23 05 29 00-0593 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	103.90 6.65	11.04
23 05 29 00-0594 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	107.07 6.81	11.37
23 05 29 00-0595 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	109.32 6.96	11.58
23 05 29 00-0596 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.71 7.19	12.01
23 05 29 00-0597 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	117.85 7.42	12.35
23 05 29 00-0598 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.51 7.88	13.10
23 05 29 00-0599 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	133.18 8.34	13.85
23 05 29 00-0600 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	141.74 8.81	14.72
23 05 29 00-0601 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	124.65 7.69	12.78
23 05 29 00-0602 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	128.70 7.85	13.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0603 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	131.85 8.01	13.31
23 05 29 00-0604 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	135.27 8.25	13.75
23 05 29 00-0605 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	141.35 8.49	14.19
23 05 29 00-0606 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	151.70 8.97	14.94
23 05 29 00-0607 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	161.18 9.46	15.80
23 05 29 00-0608 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	171.53 9.94	16.57
23 05 29 00-0609 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	158.44 9.17	15.26
23 05 29 00-0610 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	162.55 9.35	15.59
23 05 29 00-0611 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	166.65 9.53	15.92
23 05 29 00-0612 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	171.08 9.80	16.35
23 05 29 00-0613 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	178.94 10.07	16.78
23 05 29 00-0614 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	191.28 10.61	17.64
23 05 29 00-0615 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	203.62 11.15	18.62
23 05 29 00-0616 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	216.75 11.69	19.48
23 05 29 00-0617 Attachments <small>(23 05 29 00-0451)</small>		
23 05 29 00-0618 Welded Beam Attachments (B-Line B-3083) <small>(23 05 29 00-0617)</small> Note: Type 22.		
23 05 29 00-0619 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	38.66 6.04	10.08
23 05 29 00-0620 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	41.19 6.37	10.58
23 05 29 00-0621 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	43.81 6.72	11.19
23 05 29 00-0622 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	54.73 7.11	11.89
23 05 29 00-0623 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	64.89 7.56	12.59
23 05 29 00-0624 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	89.39 8.64	14.41
23 05 29 00-0625 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	124.05 9.07	15.12
23 05 29 00-0626 C-Clamp Style Beam Clamps (B-Line B-3034) <small>(23 05 29 00-0617)</small> Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0627 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	15.80 4.06	5.52
23 05 29 00-0628 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	18.36 4.33	7.04
23 05 29 00-0629 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	20.56 4.64	7.58
23 05 29 00-0630 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	25.51 5.00	8.12
23 05 29 00-0631 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	35.24 5.42	8.66
23 05 29 00-0632 Bottom Mount I-Beam Clamps (B-Line B-3055) <small>(23 05 29 00-0617)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0633 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	37.93 5.41	7.58
23 05 29 00-0634 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	53.77 5.91	9.74
23 05 29 00-0635 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	74.94 6.50	10.83
23 05 29 00-0636 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	89.16 7.22	11.90
23 05 29 00-0637 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	206.81 8.12	12.99
23 05 29 00-0638 Steel U-Bolts (B-Line B-3188) <small>(23 05 29 00-0617)</small> Note: Type 24. Includes plate and nuts.		
23 05 29 00-0639 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	12.81 3.25	2.70
23 05 29 00-0640 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.80 3.42	3.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0641 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.78	3.25
For Work In Restricted Working Space, Add	3.61	
23 05 29 00-0642 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.54	3.25
For Work In Restricted Working Space, Add	3.82	
23 05 29 00-0643 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	17.19	3.79
For Work In Restricted Working Space, Add	4.06	
23 05 29 00-0644 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.38	3.79
For Work In Restricted Working Space, Add	4.33	
23 05 29 00-0645 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	24.93	3.79
For Work In Restricted Working Space, Add	4.64	
23 05 29 00-0646 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)	27.37	4.33
For Work In Restricted Working Space, Add	5.00	
23 05 29 00-0647 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)	32.47	4.87
For Work In Restricted Working Space, Add	5.41	
23 05 29 00-0648 Copper Standoff Brackets With Flange (23 05 29 00-0617)		
Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0649 EA Clamp Size 1/2", Copper Standoff Brackets With Flange	32.43	15.48
For Work In Restricted Working Space, Add	9.28	
23 05 29 00-0650 EA Clamp Size 3/4", Copper Standoff Brackets With Flange	32.52	15.48
For Work In Restricted Working Space, Add	9.28	
23 05 29 00-0651 EA Clamp Size 1", Copper Standoff Brackets With Flange	32.61	15.48
For Work In Restricted Working Space, Add	9.28	
23 05 29 00-0652 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange	34.66	16.46
For Work In Restricted Working Space, Add	9.84	
23 05 29 00-0653 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange	34.84	16.46
For Work In Restricted Working Space, Add	9.84	
23 05 29 00-0654 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0617)		
Note: Type 16.		
23 05 29 00-0655 EA 3/8" Rod Size, Malleable Iron Eye Socket	8.29	1.63
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0656 EA 1/2" Rod Size, Malleable Iron Eye Socket	10.62	2.16
For Work In Restricted Working Space, Add	1.30	
23 05 29 00-0657 EA 5/8" Rod Size, Malleable Iron Eye Socket	17.28	2.16
For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0658 EA 3/4" Rod Size, Malleable Iron Eye Socket	23.80	2.16
For Work In Restricted Working Space, Add	1.30	
23 05 29 00-0659 EA 7/8" Rod Size, Malleable Iron Eye Socket	25.92	2.70
For Work In Restricted Working Space, Add	1.62	
23 05 29 00-0660 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0617)		
Note: Type 17.		
23 05 29 00-0661 EA 3/8" Rod Size, Steel Weldless Eye Nut	24.69	1.63
For Work In Restricted Working Space, Add	0.98	
23 05 29 00-0662 EA 1/2" Rod Size, Steel Weldless Eye Nut	25.74	2.16
For Work In Restricted Working Space, Add	1.30	
23 05 29 00-0663 EA 5/8" Rod Size, Steel Weldless Eye Nut	25.78	2.16
For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0664 EA 3/4" Rod Size, Steel Weldless Eye Nut	25.74	2.16
For Work In Restricted Working Space, Add	1.30	
23 05 29 00-0665 EA 7/8" Rod Size, Steel Weldless Eye Nut	49.06	2.38
For Work In Restricted Working Space, Add	1.46	
23 05 29 00-0666 EA 1" Rod Size, Steel Weldless Eye Nut	49.60	2.70
For Work In Restricted Working Space, Add	1.62	
23 05 29 00-0667 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0617)		
Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0668 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	19.17	5.03
For Work In Restricted Working Space, Add	3.02	
23 05 29 00-0669 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	22.76	5.54
For Work In Restricted Working Space, Add	3.34	
23 05 29 00-0670 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	27.18	6.04
For Work In Restricted Working Space, Add	3.67	
23 05 29 00-0671 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	36.14	6.55
For Work In Restricted Working Space, Add	3.86	
23 05 29 00-0672 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	54.04	7.56
For Work In Restricted Working Space, Add	4.54	
23 05 29 00-0673 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	20.02	5.03
For Work In Restricted Working Space, Add	3.02	
23 05 29 00-0674 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	23.95	5.54
For Work In Restricted Working Space, Add	3.34	
23 05 29 00-0675 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	27.18	6.04
For Work In Restricted Working Space, Add	3.67	
23 05 29 00-0676 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	39.27	6.55
For Work In Restricted Working Space, Add	3.86	
23 05 29 00-0677 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	59.40	7.56
For Work In Restricted Working Space, Add	4.54	
23 05 29 00-0678 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	21.98	5.03
For Work In Restricted Working Space, Add	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0679 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.16 3.34	5.54
23 05 29 00-0680 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	32.35 3.67	6.04
23 05 29 00-0681 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	45.14 3.86	6.55
23 05 29 00-0682 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	70.87 4.54	7.56
23 05 29 00-0683 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0617) Note: Type 34.		
23 05 29 00-0684 EA 3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	17.19 4.06	7.04
23 05 29 00-0685 EA 1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	19.87 4.33	7.04
23 05 29 00-0686 EA 5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	24.73 4.64	7.58
23 05 29 00-0687 EA 3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	40.63 5.00	8.12
23 05 29 00-0688 EA 7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	47.12 5.42	9.20
23 05 29 00-0689 Hex Lag Bolts (23 05 29 00-0617) Note: Also known as coach screws.		
23 05 29 00-0690 EA 3/8" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	2.69 0.68	
23 05 29 00-0691 EA 3/8" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	2.74 0.70	
23 05 29 00-0692 EA 3/8" x 6" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.01 0.72	
23 05 29 00-0693 EA 3/8" x 8" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.48 0.75	
23 05 29 00-0694 EA 3/8" x 10" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.69 0.78	
23 05 29 00-0695 EA 3/8" x 12" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.45 0.81	
23 05 29 00-0696 EA 1/2" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.54 0.81	
23 05 29 00-0697 EA 1/2" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.61 0.84	
23 05 29 00-0698 EA 1/2" x 6" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.09 0.88	
23 05 29 00-0699 EA 1/2" x 8" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.62 0.92	
23 05 29 00-0700 EA 1/2" x 10" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.30 0.97	
23 05 29 00-0701 EA 1/2" x 12" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.65 1.01	
23 05 29 00-0702 EA 5/8" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.64 0.90	
23 05 29 00-0703 EA 3/4" x 5" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.28 0.92	
23 05 29 00-0704 Shields And Saddles (23 05 29)		
23 05 29 00-0705 Insulation Protection Shield (23 05 29 00-0704) Note: Type 40.		
23 05 29 00-0706 Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0705) Note: Type 40.		
23 05 29 00-0707 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	14.06 2.60	2.59
23 05 29 00-0708 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	14.27 2.63	2.63
23 05 29 00-0709 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	14.61 2.66	2.66
23 05 29 00-0710 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	15.23 2.70	2.69
23 05 29 00-0711 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	16.72 2.76	2.76
23 05 29 00-0712 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	20.09 2.83	2.83
23 05 29 00-0713 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length <i>For Work In Restricted Working Space, Add</i>	23.13 2.89	2.90
23 05 29 00-0714 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length <i>For Work In Restricted Working Space, Add</i>	27.93 2.96	2.96
23 05 29 00-0715 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	35.39 2.99	2.99
23 05 29 00-0716 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	38.40 3.02	3.02
23 05 29 00-0717 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	52.22 3.05	3.06

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0718 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length..... <i>For Work In Restricted Working Space, Add</i>	58.48 3.09	3.09
23 05 29 00-0719 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length..... <i>For Work In Restricted Working Space, Add</i>	106.95 3.12	3.12
23 05 29 00-0720 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length..... <i>For Work In Restricted Working Space, Add</i>	116.13 3.18	3.19
23 05 29 00-0721 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length..... <i>For Work In Restricted Working Space, Add</i>	140.01 3.25	3.25
23 05 29 00-0722 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0705) Note: Type 40.		
23 05 29 00-0723 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	12.58 2.60	2.59
23 05 29 00-0724 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length..... <i>For Work In Restricted Working Space, Add</i>	12.76 2.63	2.63
23 05 29 00-0725 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	13.03 2.66	2.66
23 05 29 00-0726 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length..... <i>For Work In Restricted Working Space, Add</i>	13.52 2.70	2.69
23 05 29 00-0727 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length..... <i>For Work In Restricted Working Space, Add</i>	14.65 2.76	2.76
23 05 29 00-0728 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length..... <i>For Work In Restricted Working Space, Add</i>	17.16 2.83	2.83
23 05 29 00-0729 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length..... <i>For Work In Restricted Working Space, Add</i>	18.35 2.89	2.90
23 05 29 00-0730 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length..... <i>For Work In Restricted Working Space, Add</i>	22.96 2.96	2.96
23 05 29 00-0731 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length..... <i>For Work In Restricted Working Space, Add</i>	27.23 2.99	2.99
23 05 29 00-0732 Pipe Covering Protection Saddle (23 05 29 00-0704) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0733 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0732) Note: Type 39.		
23 05 29 00-0734 EA 3/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.33 3.57	3.57
23 05 29 00-0735 EA 1" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.43 3.60	3.60
23 05 29 00-0736 EA 1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.54 3.63	3.63
23 05 29 00-0737 EA 1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.54 3.69	3.69
23 05 29 00-0738 EA 2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.64 3.72	3.72
23 05 29 00-0739 EA 2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.34 3.78	3.78
23 05 29 00-0740 EA 3" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	25.78 3.84	3.84
23 05 29 00-0741 EA 4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	28.74 3.90	3.90
23 05 29 00-0742 EA 6" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.13 4.02	4.02
23 05 29 00-0743 EA 8" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	38.74 4.17	4.17
23 05 29 00-0744 EA 10" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	43.08 4.23	4.23
23 05 29 00-0745 EA 12" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	50.71 4.32	4.23
23 05 29 00-0746 EA 14" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	55.20 4.39	4.38
23 05 29 00-0747 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0732) Note: Type 39.		
23 05 29 00-0748 EA 3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.85 3.57	3.57
23 05 29 00-0749 EA 1" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.95 3.60	3.60
23 05 29 00-0750 EA 1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.06 3.63	3.63
23 05 29 00-0751 EA 1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.89 3.69	3.69
23 05 29 00-0752 EA 2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.73 3.72	3.72
23 05 29 00-0753 EA 2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	28.67 3.78	3.78
23 05 29 00-0754 EA 3" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.16 3.84	3.84
23 05 29 00-0755 EA 4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.89 3.90	3.84



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0756 EA 6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	36.83 4.02	4.02
23 05 29 00-0757 EA 8" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	43.35 4.17	4.17
23 05 29 00-0758 EA 10" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	48.52 4.23	4.23
23 05 29 00-0759 EA 12" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	57.43 4.32	4.32
23 05 29 00-0760 EA 14" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	62.74 4.39	4.38
23 05 29 00-0761 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0732) Note: Type 39.		
23 05 29 00-0762 EA 3/4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	25.49 3.75	3.75
23 05 29 00-0763 EA 1" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	25.58 3.78	3.78
23 05 29 00-0764 EA 1-1/4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	26.87 3.81	3.80
23 05 29 00-0765 EA 1-1/2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	27.66 3.87	3.87
23 05 29 00-0766 EA 2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	28.34 3.90	3.90
23 05 29 00-0767 EA 2-1/2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	28.54 3.96	3.97
23 05 29 00-0768 EA 3" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	30.11 4.02	4.03
23 05 29 00-0769 EA 4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	31.66 4.08	4.09
23 05 29 00-0770 EA 6" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	39.93 4.23	4.22
23 05 29 00-0771 EA 8" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	45.10 4.39	4.38
23 05 29 00-0772 EA 10" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	47.27 4.44	4.45
23 05 29 00-0773 EA 12" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	63.17 4.54	4.54
23 05 29 00-0774 EA 14" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	69.77 4.60	4.61
23 05 29 00-0775 EA 16" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	76.58 4.72	4.72
23 05 29 00-0776 EA 18" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	83.37 4.84	4.84
23 05 29 00-0777 EA 20" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	91.29 4.96	4.95
23 05 29 00-0778 EA 24" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	104.29 5.08	5.08
23 05 29 00-0779 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0732) Note: Type 39.		
23 05 29 00-0780 EA 1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	28.43 3.90	3.90
23 05 29 00-0781 EA 1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.94 3.96	3.96
23 05 29 00-0782 EA 2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	30.72 3.99	4.00
23 05 29 00-0783 EA 2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	31.58 4.05	4.06
23 05 29 00-0784 EA 3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	31.87 4.14	4.13
23 05 29 00-0785 EA 4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	36.81 4.20	4.19
23 05 29 00-0786 EA 6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	41.94 4.32	4.32
23 05 29 00-0787 EA 8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	48.63 4.47	4.49
23 05 29 00-0788 EA 10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	52.04 4.57	4.56
23 05 29 00-0789 EA 12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	64.80 4.66	4.65
23 05 29 00-0790 EA 14" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	76.64 4.72	4.72
23 05 29 00-0791 EA 16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	88.65 4.84	4.83
23 05 29 00-0792 EA 18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	94.11 4.96	4.94
23 05 29 00-0793 EA 20" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	100.17 5.08	5.08
23 05 29 00-0794 EA 24" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	106.24 5.20	5.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0795 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0732)			
Note: Type 39.			
23 05 29 00-0796	EA 2" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	31.75 4.08	4.09
23 05 29 00-0797	EA 2-1/2" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	34.55 4.17	4.16
23 05 29 00-0798	EA 3" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	36.00 4.23	4.22
23 05 29 00-0799	EA 4" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	37.45 4.29	4.29
23 05 29 00-0800	EA 6" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	42.84 4.41	4.43
23 05 29 00-0801	EA 8" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	53.44 4.60	4.59
23 05 29 00-0802	EA 10" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	57.81 4.66	4.66
23 05 29 00-0803	EA 12" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	74.84 4.75	4.76
23 05 29 00-0804	EA 14" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	89.10 4.84	4.83
23 05 29 00-0805	EA 16" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	103.38 4.93	4.93
23 05 29 00-0806	EA 18" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	105.38 5.08	5.07
23 05 29 00-0807	EA 20" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	107.29 5.20	5.19
23 05 29 00-0808	EA 24" Pipe Saddle, Type 39 (For 3" Insulation) <i>For Work In Restricted Working Space, Add</i>	135.82 5.32	5.32
23 05 29 00-0809 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0732)			
Note: Type 39.			
23 05 29 00-0810	EA 2" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	35.68 4.17	4.18
23 05 29 00-0811	EA 2-1/2" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	38.98 4.26	4.25
23 05 29 00-0812	EA 3" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	40.67 4.32	4.32
23 05 29 00-0813	EA 4" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	42.46 4.39	4.38
23 05 29 00-0814	EA 6" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	51.59 4.54	4.53
23 05 29 00-0815	EA 8" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	60.72 4.69	4.70
23 05 29 00-0816	EA 10" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	62.74 4.78	4.77
23 05 29 00-0817	EA 12" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	79.89 4.87	4.87
23 05 29 00-0818	EA 14" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	96.72 4.93	4.92
23 05 29 00-0819	EA 16" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	113.76 5.05	5.06
23 05 29 00-0820	EA 18" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	138.85 5.17	5.18
23 05 29 00-0821	EA 20" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	163.84 5.32	5.31
23 05 29 00-0822	EA 24" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	175.21 5.44	5.44
23 05 29 00-0823	EA 30" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	184.36 5.60	5.58
23 05 29 00-0824	EA 36" Pipe Saddle, Type 39 (For 4" Insulation) <i>For Work In Restricted Working Space, Add</i>	191.12 5.71	5.73
23 05 29 00-0825 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0704)			
Note: Type 38.			
23 05 29 00-0826	EA 2" Adjustable Pipe Saddle Support, Type 38	80.13	13.53
23 05 29 00-0827	EA 3" Adjustable Pipe Saddle Support, Type 38	85.24	15.69
23 05 29 00-0828	EA 4" Adjustable Pipe Saddle Support, Type 38	103.37	17.87
23 05 29 00-0829	EA 5" Adjustable Pipe Saddle Support, Type 38	107.98	19.48
23 05 29 00-0830	EA 6" Adjustable Pipe Saddle Support, Type 38	119.81	21.66
23 05 29 00-0831	EA 8" Adjustable Pipe Saddle Support, Type 38	136.91	27.07
23 05 29 00-0832	EA 10" Adjustable Pipe Saddle Support, Type 38	179.24	36.26
23 05 29 00-0833	EA 12" Adjustable Pipe Saddle Support, Type 38	224.19	54.13
23 05 29 00-0834 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0704)			
Note: Type 37.			
23 05 29 00-0835	EA 2-1/2" Pipe Support With U-Bolt, Type 37	98.26	13.53
23 05 29 00-0836	EA 3" Pipe Support With U-Bolt, Type 37	102.13	15.69
23 05 29 00-0837	EA 3-1/2" Pipe Support With U-Bolt, Type 37	109.48	16.78
23 05 29 00-0838	EA 4" Pipe Support With U-Bolt, Type 37	112.00	17.87
23 05 29 00-0839	EA 5" Pipe Support With U-Bolt, Type 37	117.92	19.48



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0840	EA	6" Pipe Support With U-Bolt, Type 37.....	125.28	21.66
23 05 29 00-0841	EA	8" Pipe Support With U-Bolt, Type 37.....	158.98	27.07
23 05 29 00-0842	EA	10" Pipe Support With U-Bolt, Type 37.....	214.35	36.26
23 05 29 00-0843	EA	12" Pipe Support With U-Bolt, Type 37.....	282.31	54.13
23 05 29 00-0844		Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0704)		
Note: Type 36.				
23 05 29 00-0845	EA	2-1/2" Pipe Saddle Support, Type 36.....	52.30	13.53
23 05 29 00-0846	EA	3" Pipe Saddle Support, Type 36.....	56.17	15.69
23 05 29 00-0847	EA	3-1/2" Pipe Saddle Support, Type 36.....	82.83	16.78
23 05 29 00-0848	EA	4" Pipe Saddle Support, Type 36.....	85.35	17.87
23 05 29 00-0849	EA	5" Pipe Saddle Support, Type 36.....	93.75	19.48
23 05 29 00-0850	EA	6" Pipe Saddle Support, Type 36.....	103.93	21.66
23 05 29 00-0851	EA	8" Pipe Saddle Support, Type 36.....	119.85	27.07
23 05 29 00-0852	EA	10" Pipe Saddle Support, Type 36.....	141.09	36.26
23 05 29 00-0853	EA	12" Pipe Saddle Support, Type 36.....	180.63	54.13
23 05 29 00-0854		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0704)		
Note: Insert is for use as isolated protective insulation at hangers.				
23 05 29 00-0855		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)		
23 05 29 00-0856	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.82	6.84
23 05 29 00-0857	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.00	6.84
23 05 29 00-0858	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.05	6.84
23 05 29 00-0859	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.24	6.84
23 05 29 00-0860	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.31	7.26
23 05 29 00-0861	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.98	7.47
23 05 29 00-0862	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.76	7.78
23 05 29 00-0863	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.61	8.10
23 05 29 00-0864	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.97	8.41
23 05 29 00-0865	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.03	7.26
23 05 29 00-0866	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.73	9.47
23 05 29 00-0867	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.09	11.15
23 05 29 00-0868	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.18	12.94
23 05 29 00-0869	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.41	13.36
23 05 29 00-0870		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)		
23 05 29 00-0871	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.29	5.16
23 05 29 00-0872	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.22	5.16
23 05 29 00-0873	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.49	5.26
23 05 29 00-0874	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.88	5.37
23 05 29 00-0875	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.25	5.37
23 05 29 00-0876	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.90	5.58
23 05 29 00-0877	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.68	5.79
23 05 29 00-0878	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.12	5.89
23 05 29 00-0879	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.65	6.41
23 05 29 00-0880	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.34	11.05
23 05 29 00-0881	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.57	8.31
23 05 29 00-0882	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.37	9.78
23 05 29 00-0883	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.34	11.26
23 05 29 00-0884	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.33	13.57
23 05 29 00-0885		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)		
23 05 29 00-0886	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.22	5.89
23 05 29 00-0887	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.37	5.89
23 05 29 00-0888	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.84	6.00
23 05 29 00-0889	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.26	6.10
23 05 29 00-0890	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.70	6.21
23 05 29 00-0891	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.38	6.41
23 05 29 00-0892	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.28	6.62
23 05 29 00-0893	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.14	6.84
23 05 29 00-0894	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.95	7.26
23 05 29 00-0895	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.07	8.20
23 05 29 00-0896	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.84	13.99
23 05 29 00-0897	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.15	16.20
23 05 29 00-0898	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.25	19.15
23 05 29 00-0899	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.49	21.46
23 05 29 00-0900	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.35	24.20
23 05 29 00-0901	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.20	28.41
23 05 29 00-0902	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.41	31.56
23 05 29 00-0903	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.18	35.78

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 29 Hangers And Supports For HVAC Piping And Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0904		2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)	
23 05 29 00-0905	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.62 6.84
23 05 29 00-0906	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.79 6.84
23 05 29 00-0907	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.37 6.95
23 05 29 00-0908	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.79 7.05
23 05 29 00-0909	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.21 7.05
23 05 29 00-0910	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.05 7.37
23 05 29 00-0911	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.07 7.58
23 05 29 00-0912	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.05 7.89
23 05 29 00-0913	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.10 8.31
23 05 29 00-0914	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.71 9.47
23 05 29 00-0915	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.33 10.52
23 05 29 00-0916	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.98 12.10
23 05 29 00-0917	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.08 15.05
23 05 29 00-0918	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.07 16.52
23 05 29 00-0919	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.58 21.04
23 05 29 00-0920	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.16 22.10
23 05 29 00-0921	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.07 25.25
23 05 29 00-0922	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.31 30.51

23 05 29 00-0923		3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)	
23 05 29 00-0924	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.72 7.05
23 05 29 00-0925	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.31 7.37
23 05 29 00-0926	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.52 7.37
23 05 29 00-0927	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.35 7.58
23 05 29 00-0928	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.33 7.78
23 05 29 00-0929	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.41 7.89
23 05 29 00-0930	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.43 8.10
23 05 29 00-0931	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.23 8.62
23 05 29 00-0932	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.47 8.95
23 05 29 00-0933	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.41 10.94
23 05 29 00-0934	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.06 11.99
23 05 29 00-0935	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.04 12.63
23 05 29 00-0936	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	96.12 16.30
23 05 29 00-0937	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	107.82 17.36
23 05 29 00-0938	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	130.65 23.15
23 05 29 00-0939	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	140.59 25.25
23 05 29 00-0940	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	159.06 27.35
23 05 29 00-0941	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	187.01 33.67

23 05 29 00-0942		3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)	
23 05 29 00-0943	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.62 6.84
23 05 29 00-0944	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.51 8.31
23 05 29 00-0945	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.28 8.31
23 05 29 00-0946	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.73 8.41
23 05 29 00-0947	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.34 8.52
23 05 29 00-0948	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.21 8.84
23 05 29 00-0949	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.46 9.16
23 05 29 00-0950	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.58 9.47
23 05 29 00-0951	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.15 9.99
23 05 29 00-0952	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.43 11.36
23 05 29 00-0953	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.57 12.63
23 05 29 00-0954	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.57 14.52
23 05 29 00-0955	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.09 18.09
23 05 29 00-0956	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.30 19.78
23 05 29 00-0957	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.11 25.25
23 05 29 00-0958	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.60 26.52
23 05 29 00-0959	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	98.54 30.30
23 05 29 00-0960	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	116.77 36.61

23 05 29 00-0961		4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0854)	
23 05 29 00-0962	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.09 9.26
23 05 29 00-0963	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.33 9.26
23 05 29 00-0964	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.14 9.37
23 05 29 00-0965	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.77 9.47
23 05 29 00-0966	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.19 9.47
23 05 29 00-0967	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.75 10.10
23 05 29 00-0968	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.75 10.20
23 05 29 00-0969	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.11 10.63
23 05 29 00-0970	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.89 11.26
23 05 29 00-0971	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.71 12.73
23 05 29 00-0972	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.22 13.78

**Heating, Ventilating, And Air-Conditioning (HVAC)****23****Common Work Results For HVAC****23 05****Hangers And Supports For HVAC Piping And Equipment 23 05 29****23**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0973 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.03	16.42
23 05 29 00-0974 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.61	20.41
23 05 29 00-0975 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	75.73	22.20
23 05 29 00-0976 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	91.30	28.41
23 05 29 00-0977 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.37	29.78
23 05 29 00-0978 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.86	34.09
23 05 29 00-0979 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	131.40	41.25
23 05 29 00-0980 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	150.98	48.50
23 05 29 00-0981 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	173.28	57.24
23 05 29 00-0982 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	198.08	67.65
23 05 29 00-0983 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	288.96	104.47
23 05 29 00-0984 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	312.96	115.00
23 05 29 00-0985 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	334.63	124.15
23 05 29 00-0986 Equipment Housekeeping Pads (23 05 29)		
23 05 29 00-0987 Molded Plastic Condenser Pad (23 05 29 00-0986)		
23 05 29 00-0988 EA 30" Round Molded Plastic Pad.....	57.63	13.53
23 05 29 00-0989 EA 30" Octagon Molded Plastic Pad.....	59.64	13.53
23 05 29 00-0990 EA 30" x 30" Molded Plastic Pad.....	57.63	13.53
23 05 29 00-0991 EA 36" x 36" Molded Plastic Pad.....	69.68	13.53
23 05 29 00-0992 EA 36" x 48" Molded Plastic Pad.....	92.23	13.53
23 05 29 00-0993 Inertia Base (23 05 29 00-0986)		
Note: Includes spring isolators.		
23 05 29 00-0994 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	685.43	
23 05 29 00-0995 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	823.85	
23 05 29 00-0996 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	943.34	
23 05 29 00-0997 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,075.45	
23 05 29 00-0998 Hanger Assemblies (23 05 29)		
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-0999 EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	44.01	16.82
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	10.83	
23 05 29 00-1000 EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	46.08	17.82
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.43	
23 05 29 00-1001 EA 1" Standard Duty Clevis Pipe Hanger Assembly.....	47.63	18.85
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.87	
23 05 29 00-1002 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	48.46	18.88
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.05	
23 05 29 00-1003 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	48.66	18.88
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.05	
23 05 29 00-1004 EA 2" Standard Duty Clevis Pipe Hanger Assembly.....	49.67	19.04
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.23	
23 05 29 00-1005 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	53.80	19.18
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.72	
23 05 29 00-1006 EA 3" Standard Duty Clevis Pipe Hanger Assembly.....	55.44	19.73
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.90	
23 05 29 00-1007 EA 4" Standard Duty Clevis Pipe Hanger Assembly.....	65.84	22.28
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.14	
23 05 29 00-1008 EA 6" Standard Duty Clevis Pipe Hanger Assembly.....	95.95	28.78
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	17.27	
23 05 29 00-1009 EA 8" Standard Duty Clevis Pipe Hanger Assembly.....	112.01	33.38
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	20.03	
23 05 29 00-1010 EA 10" Standard Duty Clevis Pipe Hanger Assembly.....	153.49	42.41
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	25.13	
23 05 29 00-1011 EA 12" Clevis Hanger Assembly For Uninsulated Pipe.....	169.16	45.64
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	27.43	
23 05 29 00-1012 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1013 Angle Iron (23 05 29 00-1012)		
23 05 29 00-1014 LF 1/2" x 1/2" x 1/8" Angle Iron.....	2.35	1.58
23 05 29 00-1015 LF 3/4" x 3/4" x 1/8" Angle Iron.....	3.04	1.96
23 05 29 00-1016 LF 1" x 1" x 1/8" Angle Iron.....	3.70	2.35
23 05 29 00-1017 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron.....	4.93	2.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1018	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron.....	5.43	3.14
23 05 29 00-1019	LF		2" x 2" x 1/4" Angle Iron.....	6.94	3.53
23 05 29 00-1020	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron.....	8.58	4.29
23 05 29 00-1021	LF		3" x 2" x 3/8" Angle Iron.....	10.84	5.04
23 05 29 00-1022	LF		3" x 3" x 3/8" Angle Iron.....	12.88	5.89
23 05 29 00-1023			Channels <small>(23 05 29 00-1012)</small>		
23 05 29 00-1024	LF		C2 X 1.78 - 2" Wide (Channels).....	10.42	7.02
23 05 29 00-1025	LF		C3 X 4.1 - 3" Wide (Channels).....	14.85	10.29
23 05 29 00-1026	LF		C4 X 5.4 - 4" Wide (Channels).....	17.93	12.64
23 05 29 00-1027	LF		C5 X 6.7 - 5" Wide (Channels).....	21.03	14.50
23 05 29 00-1028	LF		C6 X 8.2 - 6" Wide (Channels).....	22.72	15.44
23 05 29 00-1029	LF		C7 X 9.8 - 7" Wide (Channels).....	30.31	21.06
23 05 29 00-1030	LF		C8 X 11.5 - 8" Wide (Channels).....	33.47	22.93
23 05 29 00-1031			Structural Bar Tees <small>(23 05 29 00-1012)</small>		
23 05 29 00-1032	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	7.47	5.15
23 05 29 00-1033	LF		1" x 1" x 1/8" Structural Bar Tee.....	8.98	6.08
23 05 29 00-1034	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee.....	11.90	7.02
23 05 29 00-1035	LF		2" x 2" x 1/4" Structural Bar Tee.....	15.33	9.36
23 05 29 00-1036	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee.....	20.20	11.23
23 05 29 00-1037	LF		3" x 3" x 3/8" Structural Bar Tee.....	25.46	14.50
23 05 29 00-1038			Structural Zees <small>(23 05 29 00-1012)</small>		
23 05 29 00-1039	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee.....	11.91	7.02
23 05 29 00-1040	LF		2-11/16" x 3" x 2-11/16" Structural Zee.....	13.48	7.02
23 05 29 00-1041	LF		3-1/16" x 4" x 3-1/16" Structural Zee.....	19.18	7.02
23 05 29 00-1042	LF		3-1/4" x 5" x 3-1/4" Structural Zee.....	23.57	7.02
23 05 29 00-1043	LF		3-1/2" x 6" x 3-1/2" Structural Zee.....	27.86	7.02
23 05 29 00-1044			Junior I-beams <small>(23 05 29 00-1012)</small>		
23 05 29 00-1045	LF		3" I-beam (Junior).....	15.58	10.29
23 05 29 00-1046	LF		4" I-beam (Junior).....	17.63	11.23
23 05 29 00-1047	LF		5" I-beam (Junior).....	19.93	12.16
23 05 29 00-1048	LF		6" I-beam (Junior).....	21.72	13.56
23 05 29 00-1049	LF		7" I-beam (Junior).....	24.96	14.50
23 05 29 00-1050	LF		8" I-beam (Junior).....	26.93	15.44
23 05 33			Heat Tracing For HVAC Piping <small>(23 05)</small>		
			See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48			Vibration And Seismic Controls For HVAC <small>(23 05)</small>		
23 05 48 00-0001			Unhoused Stable Steel Spring Isolators <small>(23 05 48)</small>		
			Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 00-0002	EA		60 LB Unhoused Steel Spring Isolator.....	100.81	30.30
23 05 48 00-0003	EA		115 LB Unhoused Steel Spring Isolator.....	107.32	30.30
23 05 48 00-0004	EA		1130 LB Unhoused Steel Spring Isolator.....	128.92	30.30
23 05 48 00-0005			Vibration Isolators <small>(23 05 48)</small>		
23 05 48 00-0006			Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 00-0005)</small>		
23 05 48 00-0007	EA		50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	134.58	19.48
23 05 48 00-0008	EA		600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	284.37	21.66
23 05 48 00-0009			Rubber-In-Shear Isolator Hanger <small>(23 05 48 00-0005)</small>		
23 05 48 00-0010	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	74.44	16.24
23 05 48 00-0011	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	96.59	19.48
23 05 48 00-0012			Spring Hanger For 1" Deflection <small>(23 05 48 00-0005)</small>		
23 05 48 00-0013	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	84.36	19.48
23 05 48 00-0014			Rubber-In-Shear Vibration Isolator <small>(23 05 48 00-0005)</small>		
23 05 48 00-0015	EA		45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	155.20	36.81
23 05 48 00-0016	EA		130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	212.85	36.81
23 05 48 00-0017	EA		550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	410.69	36.81
23 05 48 00-0018			Two-Piece Spring Type Vibration Isolator <small>(23 05 48 00-0005)</small>		
			Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 00-0019	EA		50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	130.91	36.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0020 EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	135.20	36.81
23 05 48 00-0021 Open Double Spring Type Vibration Isolator <small>(23 05 48 00-0005)</small>		
<small>Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.</small>		
23 05 48 00-0022 EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	102.57	18.41
23 05 48 00-0023 EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	102.57	18.41
23 05 48 00-0024 EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.89	18.41
23 05 48 00-0025 EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	116.89	18.41
23 05 48 00-0026 EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	181.66	18.41
23 05 48 00-0027 Isolation Pads <small>(23 05 48 00-0005)</small>		
23 05 48 00-0028 Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0029 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.62	2.70
23 05 48 00-0030 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.53	2.82
23 05 48 00-0031 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	10.71	2.93
23 05 48 00-0032 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	43.07	3.36
23 05 48 00-0033 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	82.64	3.79
23 05 48 00-0034 Neoprene And Steel Plate Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0035 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	32.55	2.70
23 05 48 00-0036 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	35.52	2.70
23 05 48 00-0037 Neoprene Isolation Pad <small>(23 05 48 00-0027)</small>		
23 05 48 00-0038 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.16	2.70
23 05 48 00-0039 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.04	2.70
23 05 48 00-0040 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.44	2.70
23 05 48 00-0041 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	42.37	3.25
23 05 48 00-0042 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	77.64	3.79
23 05 48 00-0043 Threaded Flexible Bronze Hose Connectors <small>(23 05 48)</small>		
<small>Note: Includes hex threaded nipple ends.</small>		
23 05 48 00-0044 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	71.93	17.32
23 05 48 00-0045 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	84.07	23.82
23 05 48 00-0046 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	103.22	29.23
23 05 48 00-0047 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	120.07	34.65
23 05 48 00-0048 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	137.62	45.47
23 05 48 00-0049 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	154.95	48.39
23 05 48 00-0050 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	207.66	57.38
23 05 48 00-0051 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	287.06	89.42
23 05 48 00-0052 Flanged Flexible Hose Connectors <small>(23 05 48)</small>		
23 05 48 00-0053 Flanged Flexible Molded Rubber Hose Connectors <small>(23 05 48 00-0052)</small>		
<small>Note: With helical wire reinforcement 150 PSI.</small>		
23 05 48 00-0054 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	218.10	81.20
23 05 48 00-0055 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	235.88	90.18
23 05 48 00-0056 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	528.38	267.95
23 05 48 00-0057 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	688.73	345.90
23 05 48 00-0058 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	856.48	342.66
23 05 48 00-0059 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,044.03	391.36
23 05 48 00-0060 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,356.88	465.74
23 05 48 00-0061 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,229.42	582.51
23 05 48 00-0062 Flanged Flexible Corrugated Stainless Steel Hose Connectors <small>(23 05 48 00-0052)</small>		
<small>Note: With braided metal wire.</small>		
23 05 48 00-0063 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	169.33	73.84
23 05 48 00-0064 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	163.08	101.54
23 05 48 00-0065 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	316.09	135.33
23 05 48 00-0066 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	408.96	202.99
23 05 48 00-0067 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	439.59	223.35
23 05 48 00-0068 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	510.33	270.44
23 05 48 00-0069 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	653.40	346.22
23 05 48 00-0070 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,209.94	479.72
23 05 48 00-0071 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,445.70	548.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0072 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,702.86	633.96
23 05 48 00-0073 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	2,206.16	685.31
23 05 48 00-0074 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 00-0052)		
Note: 150 PSI.		
23 05 48 00-0075 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,061.15	223.35
23 05 48 00-0076 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,206.45	270.11
23 05 48 00-0077 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,705.21	346.22
23 05 48 00-0078 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,957.75	342.66
23 05 48 00-0079 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,580.48	391.36
23 05 48 00-0080 Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48)		
23 05 48 00-0081 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 00-0080)		
Note: MPT connection.		
23 05 48 00-0082 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	38.09	2.16
23 05 48 00-0083 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	45.56	2.16
23 05 48 00-0084 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	50.65	2.81
23 05 48 00-0085 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	61.67	2.81
23 05 48 00-0086 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	51.03	2.59
23 05 48 00-0087 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	61.70	2.59
23 05 48 00-0088 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	70.54	3.36
23 05 48 00-0089 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	87.16	3.36
23 05 48 00-0090 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.65	3.04
23 05 48 00-0091 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	76.20	3.04
23 05 48 00-0092 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.51	4.00
23 05 48 00-0093 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	114.81	4.00
23 05 48 00-0094 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	138.93	4.00
23 05 48 00-0095 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.12	4.00
23 05 48 00-0096 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	99.27	3.88
23 05 48 00-0097 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	109.47	3.88
23 05 48 00-0098 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	140.56	3.88
23 05 48 00-0099 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	195.44	5.18
23 05 48 00-0100 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	226.76	5.18
23 05 48 00-0101 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	268.45	5.18
23 05 48 00-0102 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	135.96	4.69
23 05 48 00-0103 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	157.28	4.69
23 05 48 00-0104 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	198.56	4.69
23 05 48 00-0105 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	264.83	6.27
23 05 48 00-0106 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	327.75	6.27
23 05 48 00-0107 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	390.61	6.27
23 05 48 00-0108 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	188.87	5.88
23 05 48 00-0109 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	215.13	5.58
23 05 48 00-0110 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	241.65	5.58
23 05 48 00-0111 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	297.94	7.47
23 05 48 00-0112 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	351.27	7.47
23 05 48 00-0113 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	402.94	7.47
23 05 48 00-0114 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	297.97	7.47
23 05 48 00-0115 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	333.39	7.47
23 05 48 00-0116 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	235.01	7.47
23 05 48 00-0117 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	284.55	9.96
23 05 48 00-0118 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	516.46	9.96
23 05 48 00-0119 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	586.17	9.96
23 05 48 00-0120 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	544.63	8.22
23 05 48 00-0121 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	586.03	8.22
23 05 48 00-0122 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	627.42	8.22
23 05 48 00-0123 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	716.95	10.96
23 05 48 00-0124 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	799.42	10.96
23 05 48 00-0125 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	883.65	10.96
23 05 48 00-0126 Braided Stainless Steel Flexible Hose Connectors (23 05 48 00-0080)		
Note: Over braided carbon steel connection.		
23 05 48 00-0127 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	162.04	4.74
23 05 48 00-0128 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	195.91	4.74
23 05 48 00-0129 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.14	4.74
23 05 48 00-0130 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	299.91	6.35
23 05 48 00-0131 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	367.26	6.35
23 05 48 00-0132 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	434.54	6.35
23 05 48 00-0133 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	183.70	5.58
23 05 48 00-0134 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	219.09	5.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0135 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	254.65	5.58
23 05 48 00-0136 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	329.88	7.47
23 05 48 00-0137 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	400.70	7.47
23 05 48 00-0138 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	470.54	7.47
23 05 48 00-0139 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	194.77	7.47
23 05 48 00-0140 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	235.31	7.67
23 05 48 00-0141 FT 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	276.44	7.47
23 05 48 00-0142 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	366.11	9.96
23 05 48 00-0143 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	447.92	9.96
23 05 48 00-0144 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	532.05	9.96
23 05 48 00-0145 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	392.70	14.52
23 05 48 00-0146 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	580.22	14.62
23 05 48 00-0147 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	778.17	19.25
23 05 48 00-0148 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	965.76	19.25
23 05 48 00-0149 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,153.31	19.25
23 05 48 00-0150 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	679.41	16.56
23 05 48 00-0151 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	821.28	16.56
23 05 48 00-0152 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,113.68	21.52
23 05 48 00-0153 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,395.12	21.52
23 05 48 00-0154 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,676.49	21.52
23 05 48 00-0155 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	727.04	20.69
23 05 48 00-0156 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,081.73	20.69
23 05 48 00-0157 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,449.08	26.94
23 05 48 00-0158 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,805.02	26.94
23 05 48 00-0159 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,159.45	26.94
23 05 48 00-0160 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,446.54	25.02
23 05 48 00-0161 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,889.19	25.02
23 05 48 00-0162 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,362.87	33.66
23 05 48 00-0163 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,809.41	33.66
23 05 48 00-0164 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,258.04	33.66
23 05 48 00-0165 Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 00-0080)</small>		
<small>Note: Flanged end connection (carbon steel ends).</small>		
23 05 48 00-0166 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	106.86	4.69
23 05 48 00-0167 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	148.53	4.69
23 05 48 00-0168 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	193.70	6.27
23 05 48 00-0169 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	235.43	6.27
23 05 48 00-0170 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	277.17	6.27
23 05 48 00-0171 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	121.70	5.58
23 05 48 00-0172 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	165.67	5.58
23 05 48 00-0173 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	213.80	7.47
23 05 48 00-0174 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	257.81	7.47
23 05 48 00-0175 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	301.04	7.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0176 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	151.18	7.47
23 05 48 00-0177 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	202.50	7.47
23 05 48 00-0178 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	260.20	9.96
23 05 48 00-0179 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	318.52	9.96
23 05 48 00-0180 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	363.08	9.96
23 05 48 00-0181 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	268.98	14.62
23 05 48 00-0182 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	385.27	14.62
23 05 48 00-0183 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	512.00	19.25
23 05 48 00-0184 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	628.31	19.25
23 05 48 00-0185 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	744.59	19.25
23 05 48 00-0186 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	485.92	16.56
23 05 48 00-0187 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	573.90	16.56
23 05 48 00-0188 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	760.33	21.98
23 05 48 00-0189 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	934.82	21.98
23 05 48 00-0190 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,109.23	21.98
23 05 48 00-0191 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	846.46	20.69
23 05 48 00-0192 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,065.64	20.69
23 05 48 00-0193 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,301.61	27.59
23 05 48 00-0194 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,521.79	27.59
23 05 48 00-0195 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,699.73	27.59
23 05 48 00-0196 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,170.66	25.02
23 05 48 00-0197 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,448.79	25.02
23 05 48 00-0198 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,746.02	33.66
23 05 48 00-0199 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,024.14	33.66
23 05 48 00-0200 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,302.27	33.66

23 05 53 Identification For HVAC Piping And Equipment (23 05)**23 05 53 00-0001 Systems Identification (23 05 53)****23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker	11.37	
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker	11.64	
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker	11.79	
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker	11.98	
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker	12.99	
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker	13.47	
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker	17.59	
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker	17.97	
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker	18.39	
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker	18.62	
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker	18.85	
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker	19.09	
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker	19.78	
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker	20.04	
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker	22.89	
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker	24.25	
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker	28.40	
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker	32.42	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.41	
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.95	
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.25	
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.98	
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.30	
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.75	
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.18	
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.50	
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.84	
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.52	
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.24	
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.89	
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.52	
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.51	
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.35	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on	25.86	
23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)		
Note: Includes "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	9.97	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	9.60	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass	9.48	
23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)		
Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.		
23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)		
23 05 93 00-0002 EA Balancing Centrifugal Fans.....	444.63	
For Testing Of Unit Without Balancing, Deduct	-222.32	
23 05 93 00-0003 EA Balancing Heating And Ventilating Units	555.56	
For Testing Of Unit Without Balancing, Deduct	-277.78	
23 05 93 00-0004 EA Balancing In Line Fan	500.21	
For Testing Of Unit Without Balancing, Deduct	-250.11	
23 05 93 00-0005 EA Balancing Propeller And Wall Fan	111.16	
For Testing Of Unit Without Balancing, Deduct	-55.58	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan	333.45	
For Testing Of Unit Without Balancing, Deduct	-166.73	
23 05 93 00-0007 EA Balancing Wall Fan.....	83.35	
For Testing Of Unit Without Balancing, Deduct	-41.68	
23 05 93 00-0008 EA Balancing Fan Section Exhaust.....	443.92	
For Testing Of Unit Without Balancing, Deduct	-221.96	
23 05 93 00-0009 Air Conditioning Equipment (23 05 93)		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit.....	797.24	
For Testing Of Unit Without Balancing, Deduct	-398.62	
23 05 93 00-0011 EA Balancing Package A/C Unit.....	298.96	
For Testing Of Unit Without Balancing, Deduct	-149.48	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	398.62	
For Testing Of Unit Without Balancing, Deduct	-199.31	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	1,395.17	
For Testing Of Unit Without Balancing, Deduct	-697.59	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	83.37	
For Testing Of Unit Without Balancing, Deduct	-41.69	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	138.95	
For Testing Of Unit Without Balancing, Deduct	-69.48	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	72.26	
For Testing Of Unit Without Balancing, Deduct	-36.13	
23 05 93 00-0018 EA Balance Variable Air Volume Box	78.28	
For Testing Of Unit Without Balancing, Deduct	-39.14	
23 05 93 00-0019 EA Balance Constant Volume Box	78.28	
For Testing Of Unit Without Balancing, Deduct	-39.14	
23 05 93 00-0020 EA Balance Fan Powered Box	88.93	
For Testing Of Unit Without Balancing, Deduct	-44.47	
23 05 93 00-0021 EA Balance Lab Fume Hood	361.27	
For Testing Of Unit Without Balancing, Deduct	-180.64	
23 05 93 00-0022 EA Balance General Hood	277.89	
For Testing Of Unit Without Balancing, Deduct	-138.95	
23 05 93 00-0023 EA Balance Induction Unit.....	166.74	
For Testing Of Unit Without Balancing, Deduct	-83.37	
23 05 93 00-0024 EA Balance Moduline - Master	66.67	
For Testing Of Unit Without Balancing, Deduct	-33.34	
23 05 93 00-0025 EA Balance Moduline - Slave	33.34	
For Testing Of Unit Without Balancing, Deduct	-16.67	
23 05 93 00-0026 EA Balance Dampers	30.96	
For Testing Of Unit Without Balancing, Deduct	-15.48	
23 05 93 00-0027 EA Balance Regenerators	443.92	
For Testing Of Unit Without Balancing, Deduct	-221.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 93 00-0028		Water Balancing Of Components <small>(23 05 93)</small>	
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	548.15
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-274.08
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	69.76
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.88
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	597.88
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-298.94
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	797.24
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-398.62
23 05 93 00-0033	EA	Water Balance, Cooling Tower	398.62
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-199.31
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	99.71
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.86
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	99.65
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-49.83
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	109.62
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-54.81
23 05 93 00-0037	EA	Water Balance, Pumps	298.97
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-149.49
23 05 93 00-0038	EA	Water Balance, Unit Heater	69.76
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.88
23 05 93 00-0039	EA	Water Balancing, Converter	299.08
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-149.54
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	49.82
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-24.91
23 05 93 00-0041	EA	Water Balance, Convector	59.79
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-29.90
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	74.75
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-37.38
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	647.75
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-323.88
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,195.86
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-597.93
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,192.42
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-1,096.21
23 05 93 00-0046		Non Destructive Testing <small>(23 05 93)</small>	
23 05 93 00-0047		X-Ray Welds, Non-Destructive Testing <small>(23 05 93 00-0046)</small>	
23 05 93 00-0048		X-Ray Welds Minimum Set-Up Charge <small>(23 05 93 00-0047)</small>	
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge	703.52
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 05 93 00-0050		Piping, X-Ray Welds, Non Destructive Testing <small>(23 05 93 00-0047)</small>	
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	80.14
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	91.31
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	102.51
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	108.29
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	114.06
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	120.20
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	131.75
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	143.31
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	149.43
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	155.58
23 05 93 00-0061		Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0046)</small>	
23 05 93 00-0062		Piping, Liquid Penetration Of Welds, Non Destructive Testing <small>(23 05 93 00-0061)</small>	
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	84.23
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	89.65
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	95.06
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	97.76
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	101.82
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.89
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	114.00
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	122.12
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	130.24
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	138.36
23 05 93 00-0073		Hydrostatic Testing <small>(23 05 93 00-0046)</small>	
		Note: Includes flushing and restoring of system.	
23 05 93 00-0074		Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>	
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	712.25
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,017.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,219.16	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,623.93	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,460.49	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	947.00	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,353.27	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,611.03	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,111.08	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,193.70	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,234.18	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,759.25	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,768.10	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,316.35	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	3,504.22	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,602.27	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,284.30	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,298.98	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,015.36	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	4,568.74	

23 05 93 00-0095 Pneumatic Testing (23 05 93 00-0046)
 Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing (23 05 93 00-0095)

23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	809.72	
Note: Includes soaping joints.		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,155.49	
Note: Includes soaping joints.		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,247.34	
Note: Includes soaping joints.		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,597.28	
Note: Includes soaping joints.		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,497.99	
Note: Includes soaping joints.		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,056.58	
Note: Includes soaping joints.		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,500.44	
Note: Includes soaping joints.		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,621.46	
Note: Includes soaping joints.		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,076.95	
Note: Includes soaping joints.		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	3,247.03	
Note: Includes soaping joints.		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,271.83	
Note: Includes soaping joints.		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,795.02	
Note: Includes soaping joints.		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,935.05	
Note: Includes soaping joints.		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	2,472.05	
Note: Includes soaping joints.		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	3,870.46	
Note: Includes soaping joints.		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing.....	1,656.01	
Note: Includes soaping joints.		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	2,333.65	
Note: Includes soaping joints.		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	2,516.25	
Note: Includes soaping joints.		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	3,214.16	
Note: Includes soaping joints.		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	5,039.45	
Note: Includes soaping joints.		

23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)

23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	595.43	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	70.75	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	911.23	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water	693.41	

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)
 Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0003 SF 1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.03	2.10
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.09	
<i>For Work In Restricted Working Space, Add</i>	0.84	
23 07 13 00-0004 SF 1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.55	2.10
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.10	
<i>For Work In Restricted Working Space, Add</i>	0.99	
23 07 13 00-0005 SF 2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.04	3.16
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.11	
<i>For Work In Restricted Working Space, Add</i>	1.13	
23 07 13 00-0006 SF 3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.74	3.68
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.14	
<i>For Work In Restricted Working Space, Add</i>	1.32	
23 07 13 00-0007 SF 4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.29	4.00
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.22	
<i>For Work In Restricted Working Space, Add</i>	1.42	
23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009 SF 1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.77	3.16
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.10	
<i>For Work In Restricted Working Space, Add</i>	1.05	
23 07 13 00-0010 SF 1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.37	3.68
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.13	
<i>For Work In Restricted Working Space, Add</i>	1.22	
23 07 13 00-0011 SF 2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	5.16	4.21
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.15	
<i>For Work In Restricted Working Space, Add</i>	1.43	
23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013 SF 1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.66	4.21
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.18	
<i>For Work In Restricted Working Space, Add</i>	1.27	
23 07 13 00-0014 SF 1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.60	4.73
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.31	
<i>For Work In Restricted Working Space, Add</i>	1.45	
23 07 13 00-0015 SF 2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.52	5.26
<i>For Plain Blanket, With No Facing, Deduct</i>	-0.36	
<i>For Work In Restricted Working Space, Add</i>	1.68	
23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	9.52	5.45
<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	22.54	
<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	16.53	
<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	13.67	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 07 13 00-0018 SF 1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	11.62	6.63
<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	27.45	
<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	20.14	
<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	16.65	
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 07 13 00-0019 SF 2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation	14.06	8.00
<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	33.17	
<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	24.35	
<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	20.13	
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	10.87	5.99
<i>For Work In Restricted Working Space, Add</i>	3.08	
23 07 13 00-0022 SF 1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	13.84	7.29
<i>For Work In Restricted Working Space, Add</i>	3.75	
23 07 13 00-0023 SF 2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	17.44	8.81
<i>For Work In Restricted Working Space, Add</i>	4.53	
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick Sheet Flexible Elastomeric Insulation	6.41	2.84
23 07 13 00-0026 SF 1/2" Thick Sheet Flexible Elastomeric Insulation	6.82	3.00
23 07 13 00-0027 SF 3/4" Thick Sheet Flexible Elastomeric Insulation	8.49	3.16
23 07 13 00-0028 SF 1" Thick Sheet Flexible Elastomeric Insulation	9.60	3.32
23 07 13 00-0029 SF 1-1/2" Thick Sheet Flexible Elastomeric Insulation	12.72	3.63
23 07 13 00-0030 SF 2" Thick Sheet Flexible Elastomeric Insulation	14.84	3.94
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	8.77	3.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	9.56	3.16
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	10.53	3.32
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.52	3.63
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	18.18	3.94
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation <small>(23 07 13)</small>		
<i>Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.</i>		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	10.16	3.00
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	10.95	3.16
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	12.16	3.32
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	17.13	3.63
23 07 16 HVAC Equipment Insulation <small>(23 07)</small>		
23 07 16 00-0001 Calcium Silicate Block Insulation <small>(23 07 16)</small>		
23 07 16 00-0002 SF 1" Calcium Silicate Block Insulation.....	15.24	6.55
<i>For Work In Restricted Working Space, Add</i>		
	3.93	
23 07 16 00-0003 SF 1-1/2" Calcium Silicate Block Insulation.....	17.93	7.37
<i>For Work In Restricted Working Space, Add</i>		
	4.42	
23 07 16 00-0004 SF 2" Calcium Silicate Block Insulation.....	21.32	8.50
<i>For Work In Restricted Working Space, Add</i>		
	5.12	
23 07 16 00-0005 SF 2-1/2" Calcium Silicate Block Insulation.....	25.29	9.97
<i>For Work In Restricted Working Space, Add</i>		
	5.99	
23 07 16 00-0006 SF 3" Calcium Silicate Block Insulation.....	30.96	12.28
<i>For Work In Restricted Working Space, Add</i>		
	7.37	
23 07 19 HVAC Piping Insulation <small>(23 07)</small>		
<i>See CSI section 22 07 19 00-0000 for pipe insulation.</i>		
23 07 19 00-0001 Calcium Silicate Pipe Insulation <small>(23 07 19)</small>		
<i>Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0508 for protective jacketing.</i>		
23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	11.56	3.46
<i>For Work In Restricted Working Space, Add</i>		
	2.60	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	11.56	3.46
<i>For Work In Restricted Working Space, Add</i>		
	2.60	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	11.56	3.51
<i>For Work In Restricted Working Space, Add</i>		
	2.63	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	11.74	3.56
<i>For Work In Restricted Working Space, Add</i>		
	2.67	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	11.88	3.61
<i>For Work In Restricted Working Space, Add</i>		
	2.71	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	12.57	3.71
<i>For Work In Restricted Working Space, Add</i>		
	2.78	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	13.13	3.86
<i>For Work In Restricted Working Space, Add</i>		
	2.89	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	13.64	3.96
<i>For Work In Restricted Working Space, Add</i>		
	2.97	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	15.34	4.26
<i>For Work In Restricted Working Space, Add</i>		
	3.20	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	17.13	4.80
<i>For Work In Restricted Working Space, Add</i>		
	3.60	
23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	12.09	3.60
<i>For Work In Restricted Working Space, Add</i>		
	2.70	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	12.13	3.60
<i>For Work In Restricted Working Space, Add</i>		
	2.70	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	12.95	3.82
<i>For Work In Restricted Working Space, Add</i>		
	2.86	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	13.40	3.89
<i>For Work In Restricted Working Space, Add</i>		
	2.92	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	13.85	3.96
<i>For Work In Restricted Working Space, Add</i>		
	2.97	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	14.79	4.18
<i>For Work In Restricted Working Space, Add</i>		
	3.13	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	15.38	4.25
<i>For Work In Restricted Working Space, Add</i>		
	3.19	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	15.95	4.39
<i>For Work In Restricted Working Space, Add</i>		
	3.30	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	17.63	4.75
<i>For Work In Restricted Working Space, Add</i>		
	3.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.47 4.16	5.55
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.40 4.39	5.85
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.12 5.26	7.01
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.16 6.12	8.16
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.91 6.71	8.95
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.87 8.54	11.38
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.13 8.96	11.95
23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.75 2.97	3.96
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.01 2.97	3.96
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.42 3.01	4.01
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.93 3.04	4.06
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.31 3.08	4.11
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.99 3.20	4.26
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.64 3.31	4.41
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.05 3.42	4.56
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.87 3.61	4.81
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.47 4.33	5.77
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.37 4.57	6.09
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.74 5.47	7.29
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.17 6.55	8.73
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.63 9.14	12.18
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.69 9.14	12.18
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	56.23 9.59	12.79
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	66.42 10.96	14.62
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	77.96 13.25	17.66
23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.52 3.42	4.56
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.80 3.42	4.56
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.10 3.48	4.63
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.27 3.50	4.67
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.66 3.53	4.70
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.44 3.68	4.91
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.44 3.80	5.07
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.89 3.94	5.25
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	24.78 4.15	5.54
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.28 4.72	6.29
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.39 5.26	7.02
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.82 6.07	8.09
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	48.09 7.54	10.05
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	53.06 8.23	10.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	65.08 10.52	14.02
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	68.66 11.05	14.73
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	79.41 12.63	16.84
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	93.85 15.26	20.34
23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.44 3.79	5.05
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.51 3.79	5.05
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.71 3.83	5.11
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.91 3.86	5.14
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.13 3.90	5.20
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.89 4.04	5.39
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.02 4.18	5.57
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.61 4.33	5.77
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.52 4.57	6.09
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.71 5.19	6.92
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.01 5.78	7.71
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.29 6.68	8.90
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.35 8.30	11.06
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.25 9.06	12.07
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	72.89 11.57	15.43
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	78.20 12.15	16.20
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	91.13 13.89	18.53
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	108.24 16.78	22.38
23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.48 4.15	5.54
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	27.28 4.15	5.54
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	27.37 4.18	5.57
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	27.46 4.21	5.61
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.21 4.26	5.68
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.80 4.40	5.87
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.08 4.56	6.08
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.22 4.72	6.29
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.35 4.99	6.65
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	41.80 5.66	7.55
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.16 6.31	8.41
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.48 7.28	9.71
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	73.51 9.05	12.06
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	77.87 9.88	13.17
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	92.19 12.62	16.84
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	104.35 13.26	17.67
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	113.68 15.16	20.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....32.35	32.35	6.15
For Work In Restricted Working Space, Add	4.61	
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....32.37	32.37	6.15
For Work In Restricted Working Space, Add	4.61	
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....32.64	32.64	6.25
For Work In Restricted Working Space, Add	4.69	
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....33.43	33.43	6.32
For Work In Restricted Working Space, Add	4.74	
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....35.26	35.26	6.52
For Work In Restricted Working Space, Add	4.90	
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....36.04	36.04	6.73
For Work In Restricted Working Space, Add	5.05	
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....38.88	38.88	6.84
For Work In Restricted Working Space, Add	5.12	
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....40.06	40.06	7.09
For Work In Restricted Working Space, Add	5.31	
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....44.95	44.95	7.48
For Work In Restricted Working Space, Add	5.61	
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....51.83	51.83	8.48
For Work In Restricted Working Space, Add	6.36	
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....61.15	61.15	9.46
For Work In Restricted Working Space, Add	7.10	
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....70.44	70.44	10.93
For Work In Restricted Working Space, Add	8.20	
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....81.28	81.28	13.57
For Work In Restricted Working Space, Add	10.18	
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....86.81	86.81	14.83
For Work In Restricted Working Space, Add	11.12	
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....104.11	104.11	18.96
For Work In Restricted Working Space, Add	14.22	
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....110.45	110.45	19.86
For Work In Restricted Working Space, Add	14.90	
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....122.94	122.94	22.74
For Work In Restricted Working Space, Add	17.05	
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET) .....4.44	4.44	
For Work In Restricted Working Space, Add	0.98	
23 08 Commissioning Of HVAC (23)		
See CSI section 23 05 93 00-0000 for testing and balancing.		
23 09 Instrumentation And Control For HVAC (23)		
23 09 13 Instrumentation And Control Devices For HVAC (23 09)		
23 09 13 56 Pneumatic Tubing (23 09 13)		
23 09 13 56-0001 Polyurethane Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0002 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing .....2.06	2.06	0.89
23 09 13 56-0003 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....2.43	2.43	0.92
23 09 13 56-0004 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....2.95	2.95	0.94
23 09 13 56-0005 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....3.54	3.54	0.97
23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0007 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....1.93	1.93	0.89
23 09 13 56-0008 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....2.04	2.04	0.92
23 09 13 56-0009 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....2.24	2.24	0.94
23 09 13 56-0010 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing .....2.61	2.61	0.97
23 09 13 56-0011 Nylon Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0012 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing .....2.11	2.11	0.86
23 09 13 56-0013 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing .....2.58	2.58	0.89
23 09 13 56-0014 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing .....3.52	3.52	0.94
23 09 13 56-0015 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing .....4.31	4.31	0.97
23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0017 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....2.11	2.11	0.89
23 09 13 56-0018 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....2.96	2.96	0.94
23 09 13 56-0019 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing .....3.43	3.43	0.97
23 09 13 56-0020 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....4.00	4.00	1.01
23 09 13 56-0021 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....4.44	4.44	1.03
23 09 13 56-0022 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing .....5.76	5.76	1.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 13 56-0023				Braided Vinyl Pneumatic Tubing (23 09 13 56)		
			LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.67	1.01
			LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.98	1.03
			LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.52	1.06
23 09 13 56-0027				Copper Pneumatic Tubing (23 09 13 56)		
			LF	1/4" Outside Diameter Copper Pneumatic Tubing.....	5.10	1.93
			LF	3/8" Outside Diameter Copper Pneumatic Tubing.....	5.80	2.22
			LF	1/2" Outside Diameter Copper Pneumatic Tubing.....	7.11	2.55
			LF	5/8" Outside Diameter Copper Pneumatic Tubing.....	8.42	2.94
			LF	3/4" Outside Diameter Copper Pneumatic Tubing.....	10.12	3.38
23 09 13 56-0033				Brass Couplings (23 09 13 56)		
				See CSI section 22 11 16 00-0285 for copper tubing.		
23 09 13 56-0034				Straight Brass Couplings (23 09 13 56-0033)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" Straight Brass Coupling.....	10.05	4.87
			EA	3/8" x 1/4" Straight Brass Coupling.....	10.10	4.87
			EA	3/8" x 3/8" Straight Brass Coupling.....	10.15	4.87
23 09 13 56-0038				Elbow Brass Couplings (23 09 13 56-0033)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" Elbow Brass Coupling.....	10.33	4.87
			EA	3/8" x 3/8" Elbow Brass Coupling.....	10.50	4.87
23 09 13 56-0041				Tee Brass Couplings (23 09 13 56-0033)		
				Note: Barb x Barb		
			EA	1/4" x 1/4" x 1/4" Tee Brass Coupling.....	15.94	7.58
			EA	3/8" x 3/8" x 1/4" Tee Brass Coupling.....	17.61	8.12
			EA	3/8" x 3/8" x 3/8" Tee Brass Coupling.....	17.43	8.12
23 09 23				Direct-Digital Control System For HVAC (23 09)		
23 09 23 00-0001				EMCS General Costs (23 09 23)		
23 09 23 00-0002				EMCS System Design Engineering (23 09 23 00-0001)		
				Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
			HR	EMCS Site Inspection Of Existing Facilities.....	248.54	
			HR	EMCS Engineering Project Management.....	248.54	
			HR	EMCS System Engineering, Schematic Design And Layout.....	263.60	
			HR	EMCS System Software Programming And Graphics Programming.....	263.60	
			HR	EMCS Graphics Picture Creation.....	169.50	
			HR	EMCS System Controls Training.....	248.54	
			HR	EMCS On Site System Diagnostics Field Technician.....	248.54	
			HR	EMCS Remote Technical Support Using Phone Or Internet.....	207.17	
			HR	EMCS Travel Time (All Personnel).....	214.69	
23 09 23 00-0012				Post Warranty Field Tests, Checkout And Commissioning (23 09 23 00-0001)		
				Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
			PNT	EMCS Field Test.....	131.85	
				Note: Priced per point. Task used after warranty period only.		
			PNT	EMCS Field Checkout And Startup.....	131.85	
				Note: Priced per point. Task used after warranty period only.		
			PNT	EMCS Field Commissioning.....	131.85	
				Note: Priced per point. Used when the owner requires an independent commissioning firm.		
			EA	EMCS Field Balance Support.....	112.97	
				Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0017				EMCS System Engineering/Submittal Design And Layout (23 09 23 00-0001)		
				Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
			PNT	EMCS System Engineering/Submittal Design And Layout.....	43.98	
				Note: Priced per point.		
23 09 23 00-0019				Install EMCS Field Devices And Controllers (Labor Only) (23 09 23 00-0001)		
				Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0020 EA Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	227.85	37.66
23 09 23 00-0021 EA Install AHU Power Supply In A Control Enclosure	165.69	75.31
23 09 23 00-0022 EA Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall.....	227.85	37.66
23 09 23 00-0023 EA Install And Wire Room Sensor	62.16	37.66
23 09 23 00-0024 EA Install And Wire Duct Sensor	82.85	37.66
23 09 23 00-0025 EA Install And Wire AHU Averaging Sensor.....	269.22	188.28
23 09 23 00-0026 EA Install And Wire AHU Humidity Sensor	145.01	56.53
23 09 23 00-0027 EA Install And Wire AHU CO2 Sensor.....	207.17	56.53
23 09 23 00-0028 EA Install And Wire Fan Or Filter DP Switch	207.17	56.53
23 09 23 00-0029 EA Install And Wire Float Switch	165.69	37.66
23 09 23 00-0030 EA Install And Wire Freezestat.....	269.22	188.28
23 09 23 00-0031 EA Install And Wire Duct Static Pressure Sensor.....	145.01	75.31
23 09 23 00-0032 EA Install And Wire Duct High Static Sensor.....	82.85	37.66
23 09 23 00-0033 EA Install And Wire Emergency Stop Switch For AHU Or Other Equipment	82.85	37.66
23 09 23 00-0034 EA Install And Wire Emergency Stop Switch For AHU	248.54	75.31
23 09 23 00-0035 EA Install And Wire AHU Connection To Starter	248.54	188.28
23 09 23 00-0036 EA Install And Wire Connection To VFD	455.69	188.28
23 09 23 00-0037 EA Install And Wire AHU Valve Actuator	124.32	37.66
23 09 23 00-0038 EA Install And Wire AHU Damper Actuator	248.54	75.31
23 09 23 00-0039 EA Install And Wire AHU Smoke Detector Or Fire Alarm Relay	145.01	56.53
23 09 23 00-0040 EA Install And Wire AHU Electropneumatic Transducer.....	103.53	37.66
23 09 23 00-0041 EA Install And Wire Electric Heat Or Sequencer	248.54	75.31
23 09 23 00-0042 EA Install And Wire Connection To Outdoor Compressor	579.91	56.53
23 09 23 00-0043 EA Install And Wire AHU Magnahelic.....	207.17	37.66
23 09 23 00-0044 EA Install And Wire AHU Wireway For Control Enclosure	248.54	75.31
23 09 23 00-0045 EA Wire And Assemble AHU Control Enclosure	455.69	
Note: Includes installing all panel devices for a medium size panel.		
23 09 23 00-0046 EA Field Install And Wire VAV Controller	165.69	75.31
Note: Use when VAV box is previously installed.		
23 09 23 00-0047 EA Shop Install And Wire VAV Controller.....	145.01	
23 09 23 00-0048 EA Install And Wire VAV Power Supply.....	62.16	37.66
23 09 23 00-0049 EA Wire VAV Fan In Parallel Or Series Fan Box.....	82.85	37.66
23 09 23 00-0050 EA Install And Wire Fan Coil Unit Controller.....	414.23	112.97
23 09 23 00-0051 EA Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	124.32	
23 09 23 00-0052 EA Install And Wire Central Plant Controller.....	579.91	338.91
Note: For programmable DDC controller.		
23 09 23 00-0053 EA Mount Central Plant Enclosure For DDC Control Enclosure	227.85	37.66
Note: For programmable DDC controller.		
23 09 23 00-0054 EA Install Central Plant Power Supply For DDC Programmable Controller.....	165.69	75.31
23 09 23 00-0055 EA Install Central Plant Wireway For Programmable Controller	248.54	75.31
23 09 23 00-0056 EA Install And Wire Chiller Controls For Enable And Setpoint Controls	497.07	112.97
23 09 23 00-0057 EA Install And Wire Chiller Flow Switch.....	497.07	225.95
23 09 23 00-0058 EA Install And Wire Chiller DP Transmitter.....	1,864.07	112.97
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0059 EA Install And Wire Boiler Controls For Enable And Alarm	372.86	112.97
23 09 23 00-0060 EA Install And Wire Boiler Safeties.....	372.86	112.97
Note: For high water, low water and flame safeguard.		
23 09 23 00-0061 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	828.45	470.76
23 09 23 00-0062 EA Wire And Terminate Combustion Air Damper	1,035.62	75.31
23 09 23 00-0063 EA Wire Oil Tank Interlock For Oil Boiler	517.75	75.31
23 09 23 00-0064 EA Install And Wire Boiler Emergency Stop Switch.....	1,035.62	225.95
23 09 23 00-0065 EA Wire And Terminate Temperature Well Sensor	103.53	56.53
Note: Excludes well.		
23 09 23 00-0066 EA Install And Wire Strap On Sensor	248.54	56.53
23 09 23 00-0067 EA Install And Wire CO2 Sensor For Room Or Space	207.17	56.53
Note: Excludes stub-up.		
23 09 23 00-0068 EA Install And Wire Valve Actuator.....	207.17	150.62
23 09 23 00-0069 EA Install And Wire Outside Air Temperature Sensor	372.86	112.97
23 09 23 00-0070 EA Install And Wire Outside Air Humidity Sensor.....	186.38	112.97
23 09 23 00-0071 EA Install And Wire Flow Sensor.....	455.69	225.95
23 09 23 00-0072 EA Install And Wire Pressure Sensor For Pump Or Building.....	455.69	225.95
23 09 23 00-0073 EA Install And Wire Pump Starter.....	248.54	56.53
23 09 23 00-0074 EA Install And Wire Pump VFD	455.69	112.97
23 09 23 00-0075 EA Install And Wire Pump DP Switch.....	621.39	225.95
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0076 EA Install And Wire System DP Transmitter.....	2,071.23	225.95
Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0077 EA Mount Starter Sized Up To 100 HP.....	165.69	112.97
23 09 23 00-0078 EA Mount VFD Sized Up To 100 HP	414.23	376.57
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure	745.61	225.95
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower.....	455.69	225.95
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater	248.54	225.95
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch	248.54	112.97
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve.....	248.54	225.95
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve.....	248.54	225.95
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel	1,242.77	470.76
23 09 23 00-0086 EA Install And Wire Break Glass Switch.....	248.54	112.97
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	186.38	75.31
23 09 23 00-0088 EA Install And Wire Damper Actuator.....	248.54	75.31
23 09 23 00-0089 EA Install And Wire Chemical Feed System.....	2,071.23	470.76
23 09 23 00-0090 EA Wire And Assemble Control Enclosure	497.07	
Note: Includes installing all panel devices in large size panel.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0091	EA		Install And Wire Exhaust Fan DDC Control Note: Start or stop and status.	517.75	94.19
23 09 23 00-0092	EA		Install And Wire Exhaust Fan Thermostat Control	165.69	56.53
23 09 23 00-0093	EA		Wire Lighting Contactor (Contactor Installed By Others)	517.75	75.31
23 09 23 00-0094	EA		Wire And Terminate Unit Heater	165.69	56.53
23 09 23 00-0095	EA		Wire Domestic Water Heater For Enable Or Disable.....	517.75	75.31
23 09 23 00-0096	EA		Wire And Install Current Transformer KWH Meter (With Power Off)	1,657.00	451.88
23 09 23 00-0097	EA		Wire Water Meter (Meter Installed By Others).....	1,657.00	112.97
23 09 23 00-0098	EA		Wire Gas Meter (Meter Installed By Others).....	1,657.00	112.97
23 09 23 00-0099	EA		Install Wireless Receiver And Wire To DDC Controls.....	207.17	75.31
23 09 23 00-0100	EA		Install Wireless Sensor	41.47	18.88
23 09 23 00-0101	EA		Wire Split System AC Thermostat	828.45	56.53
23 09 23 00-0102	EA		Wire Sump Pump Monitor Status Switch.....	621.39	112.97
23 09 23 00-0103	EA		Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	82.85	37.66
23 09 23 00-0104	EA		Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	559.23	225.95

23 09 23 00-0105 Honeywell Controls (23 09 23)

23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)

23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)

Note: Includes loading software, software license, loading data base and mounting on wall.

23 09 23 00-0108	EA		Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	7,486.28	489.54
23 09 23 00-0109	EA		Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	5,480.43	489.54
23 09 23 00-0110	EA		Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	4,463.57	489.54
23 09 23 00-0111	EA		Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	5,272.75	489.54
23 09 23 00-0112	EA		Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	4,435.71	489.54
23 09 23 00-0113	EA		Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	4,435.71	489.54
23 09 23 00-0114	EA		16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,715.57	489.54
23 09 23 00-0115	EA		16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,009.35	489.54
23 09 23 00-0116	EA		16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,715.57	489.54
23 09 23 00-0117	EA		16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,009.35	489.54
23 09 23 00-0118	EA		34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,011.89	489.54
23 09 23 00-0119	EA		34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,305.67	489.54
23 09 23 00-0120	EA		34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,011.89	489.54
23 09 23 00-0121	EA		34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,305.67	489.54
23 09 23 00-0122	EA		Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,258.82	489.54

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0123 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	6,240.22	489.54
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0124 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)	6,542.87	489.54
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0125 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)	7,524.27	489.54
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0126 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)	6,556.80	489.54
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0127 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)	8,427.15	489.54
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
23 09 23 00-0128 EMCS Network Interfaces <small>(23 09 23 00-0106)</small>		
Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001)	1,001.45	135.57
Note: For desktop computer.		
23 09 23 00-0130 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)	865.32	90.38
Note: For laptop computer.		
23 09 23 00-0131 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,120.75	169.50
23 09 23 00-0132 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	1,646.90	244.82
23 09 23 00-0133 EA Two Way Lon Repeater (Honeywell Q7740A1008)	913.70	244.82
23 09 23 00-0134 EA FTT Termination Module For Network Bus (Honeywell 209541B)	77.42	30.13
23 09 23 00-0135 DDC Application Specific Controller Assemblies <small>(23 09 23 00-0106)</small>		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,791.80	700.42
23 09 23 00-0137 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,415.23	414.73
23 09 23 00-0138 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,949.96	700.42
23 09 23 00-0139 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,573.39	455.89
23 09 23 00-0140 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,131.35	779.54
23 09 23 00-0141 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,848.87	584.44
23 09 23 00-0142 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,684.85	779.54
23 09 23 00-0143 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,289.51	596.49
23 09 23 00-0144 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,624.87	779.54
23 09 23 00-0145 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,248.30	460.92
23 09 23 00-0146 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,832.04	779.54
23 09 23 00-0147 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,455.37	519.16
23 09 23 00-0148 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,061.27	779.54
23 09 23 00-0149 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,677.18	459.92
23 09 23 00-0150 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,268.44	779.54
23 09 23 00-0151 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,884.23	518.15
23 09 23 00-0152 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,518.05	779.54
23 09 23 00-0153 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,175.42	498.07
23 09 23 00-0154 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,932.37	779.54
23 09 23 00-0155 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,589.64	583.43
23 09 23 00-0156 DDC Programmable Controller Assemblies <small>(23 09 23 00-0106)</small>		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.		
23 09 23 00-0157 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,877.21	598.79
23 09 23 00-0158 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,117.32	598.79
23 09 23 00-0159 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,745.55	704.23
23 09 23 00-0160 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,985.66	704.23
23 09 23 00-0161 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,758.16	824.74
23 09 23 00-0162 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,035.72	824.74
23 09 23 00-0163 EMCS Optional DDC Controller Hardware <small>(23 09 23 00-0106)</small>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0164 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	288.72	
Note: For constant volume single zone and heat pump AHUs.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0165	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)..... Note: For constant volume single zone and heat pump AHUs.	333.68	
23 09 23 00-0166	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	349.50	
23 09 23 00-0167	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	329.88	
23 09 23 00-0168	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	334.94	
23 09 23 00-0169	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	327.34	
23 09 23 00-0170	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	281.76	
23 09 23 00-0171	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	245.03	
23 09 23 00-0172	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	359.00	
23 09 23 00-0173	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	321.01	
23 09 23 00-0174	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	354.57	
23 09 23 00-0175	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	752.83	
23 09 23 00-0176	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	936.44	
23 09 23 00-0177	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	467.91	
23 09 23 00-0178	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	460.94	
23 09 23 00-0179	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	226.04	
23 09 23 00-0180	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	257.06	
23 09 23 00-0181	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	474.87	
23 09 23 00-0182	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	507.79	
23 09 23 00-0183	EA	AI Module (Honeywell XFL521B).....	317.85	
23 09 23 00-0184	EA	AO Module (Honeywell XFL522B).....	317.85	
23 09 23 00-0185	EA	DI Module (Honeywell XFL523B).....	317.85	
23 09 23 00-0186	EA	DO Module (Honeywell XFL524B).....	317.85	
23 09 23 00-0187	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	56.35	
23 09 23 00-0188	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	106.37	
23 09 23 00-0189	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	104.47	
23 09 23 00-0190	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	319.75	
23 09 23 00-0191	EA	Lon Hub (Honeywell XIO-HUB).....	47.49	
23 09 23 00-0192	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	319.75	
23 09 23 00-0193	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	294.42	
23 09 23 00-0194	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	294.42	
23 09 23 00-0195	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	310.25	
23 09 23 00-0196	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	310.25	
23 09 23 00-0197	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	446.38	
23 09 23 00-0198	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)..... Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	526.79	
23 09 23 00-0199	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)..... Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,119.43	
23 09 23 00-0200	EMCS Software <small>(23 09 23 00-0105)</small>			
23 09 23 00-0201	Software Packages And License <small>(23 09 23 00-0200)</small>			
		Note: Includes installation on equipment.		
23 09 23 00-0202	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)..... Note: Requires UI services to be installed on NAC.	357.10	
23 09 23 00-0203	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)..... Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	1,447.82	
23 09 23 00-0204	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX)..... Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	3,988.91	
23 09 23 00-0205	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)..... Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,374.35	
23 09 23 00-0206	EA	Upgrade Small Building To Large Building Software..... Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	2,777.46	
23 09 23 00-0207	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)..... Note: One copy is included with WEB-S-AX and WEBStation-AX.	1,998.01	
23 09 23 00-0208	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)..... Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	3,482.77	
23 09 23 00-0209	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)..... Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	541.75	
23 09 23 00-0210	EA	Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX)..... Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	392.95	
23 09 23 00-0211	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters..... Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	18,427.88	
23 09 23 00-0212	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX)..... Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	16,838.73	
23 09 23 00-0213	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	6,360.73	
23 09 23 00-0214	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	4,746.17	
23 09 23 00-0215	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,372.06	
23 09 23 00-0216	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	1,372.06	
23 09 23 00-0217	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)..... Note: Excludes Oracle.	9,497.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0218	EA		Open System Driver Option (Honeywell WS-SNMP-500)..... Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.	1,266.32	
23 09 23 00-0219	EA		Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,372.06	
23 09 23 00-0220	EA		WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)..... Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,588.12	
23 09 23 00-0221	EA		WEBStation Additional Node (Honeywell ZW2000B1002).....	1,372.06	
23 09 23 00-0222	EA		WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	23,005.24	
23 09 23 00-0223	EA		WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	42,210.88	
23 09 23 00-0224	EA		WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	73,868.88	
23 09 23 00-0225	EA		Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	3,798.96	
23 09 23 00-0226	EA		Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	1,899.48	
23 09 23 00-0227	EA		Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,607.99	
23 09 23 00-0228	EA		Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)..... Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	1,732.75	
23 09 23 00-0229			Initial Database Generation (23 09 23 00-0200)		
23 09 23 00-0230	PNT		Database Generation For Central Plant.....	67.38	
23 09 23 00-0231	PNT		Database Generation For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	67.38	
23 09 23 00-0232	EA		Database Generation For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	67.38	
23 09 23 00-0233	EA		Replication Of Database Generation For Application Specific Controller..... Note: Price per copy made.	46.89	
23 09 23 00-0234	EA		Database Generation For Remote IO Modules, Sensors, Etcetera.....	46.89	
23 09 23 00-0235			Application Software Programs (23 09 23 00-0200)		
23 09 23 00-0236	EA		Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,811.70	
23 09 23 00-0237	EA		Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	93.99	
23 09 23 00-0238	EA		Duty Cycling Program.....	44.38	
23 09 23 00-0239	EA		Hot Deck/Cold Deck Reset Application Program.....	4,830.40	
23 09 23 00-0240	EA		Boiler Optimization Program.....	6,329.95	
23 09 23 00-0241	EA		Chiller Optimization Program.....	8,574.55	
23 09 23 00-0242	EA		Lighting Control Program.....	4,137.75	
23 09 23 00-0243	EA		Demand Limiting Program..... Note: Priced per controller requiring optimum start programming.	82.44	
23 09 23 00-0244	EA		Email Alarm Server Configuration.....	3,192.10	
23 09 23 00-0245			Color Graphics Generation (23 09 23 00-0200)		
			Note: Priced per page.		
23 09 23 00-0246	EA		Single Site Home Page Graphics Page With HTML Navigation Code.....	1,684.82	
23 09 23 00-0247	EA		Multi Site Home Page Graphics Page With HTML Navigation Code.....	2,991.35	
23 09 23 00-0248	EA		Color Graphics Page For Central Plant.....	765.49	
23 09 23 00-0249	EA		Color Graphics Page For Building Floor Plan.....	706.84	
23 09 23 00-0250	EA		Replication Of Color Graphics Page For Central Plant.....	384.00	
23 09 23 00-0251	EA		Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	861.19	
23 09 23 00-0252	EA		Replication Of Color Graphics Page For Programmable Controller..... Note: Priced per copy made.	184.17	
23 09 23 00-0253	EA		Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	796.52	
23 09 23 00-0254	EA		Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	79.64	
23 09 23 00-0255			Sensors, Actuators And Control Devices (23 09 23 00-0105)		
			Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0256			Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257	EA		Dewpoint Sensor (Honeywell C7232B1014).....	1,206.77	62.16
23 09 23 00-0258	EA		Enthalpy Sensor -25 To 125 F.....	1,255.70	62.16
23 09 23 00-0259	EA		Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	671.27	124.32
23 09 23 00-0260	EA		Freezestat (Honeywell L482A1004).....	486.08	207.17
23 09 23 00-0261	EA		Wall Mounted Occupancy Sensor.....	321.79	62.16
23 09 23 00-0262	EA		Ceiling Mounted Occupancy Sensor.....	267.86	62.16
23 09 23 00-0263	EA		I/P Positioner With Gauge.....	313.58	62.16
23 09 23 00-0264	EA		Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	376.82	62.16
23 09 23 00-0265	EA		EP Transducer.....	313.58	41.47
23 09 23 00-0266	EA		Electric Heat Sequencer.....	509.48	82.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0267				Meters <small>(23 09 23 00-0255)</small>		
				23 09 23 00-0268 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	3,187.09	497.07
				23 09 23 00-0269 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface	4,695.58	579.91
				23 09 23 00-0270 EA Current Transformer For KW Meter 1 - 300 Amps	1,179.34	207.17
				23 09 23 00-0271 EA Current Transformer For KW Meter 300 - 800 Amps.....	1,305.39	207.17
				23 09 23 00-0272 EA Current Transformer For KW Meter 800 - 2,400 Amp.....	1,547.15	207.17
23 09 23 00-0273				Direct Coupled Actuators <small>(23 09 23 00-0255)</small>		
				23 09 23 00-0274 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	469.62	91.70
				23 09 23 00-0275 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	505.14	91.70
				23 09 23 00-0276 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	566.20	91.70
				23 09 23 00-0277 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	448.84	91.70
				23 09 23 00-0278 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	487.04	91.70
				23 09 23 00-0279 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	524.86	91.70
				23 09 23 00-0280 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	489.13	91.70
				23 09 23 00-0281 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	543.58	91.70
				23 09 23 00-0282 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	602.37	91.70
				23 09 23 00-0283 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	420.51	91.70
				23 09 23 00-0284 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	449.51	91.70
				23 09 23 00-0285 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	507.77	91.70
				23 09 23 00-0286 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	535.19	91.70
				23 09 23 00-0287 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	534.85	91.70
				23 09 23 00-0288 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	610.05	91.70
				23 09 23 00-0289 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	432.39	91.70
				23 09 23 00-0290 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	714.85	91.70
				23 09 23 00-0291 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	339.27	91.70
				23 09 23 00-0292 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	494.59	91.70
23 09 23 00-0293				Thermostats <small>(23 09 23 00-0105)</small>		
23 09 23 00-0294				Electric And Electronic Thermostats <small>(23 09 23 00-0293)</small>		
				Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
				23 09 23 00-0295 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	161.41	75.31
				23 09 23 00-0296 EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	170.41	75.31
				23 09 23 00-0297 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	190.53	75.31
				23 09 23 00-0298 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	204.23	75.31
				23 09 23 00-0299 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	214.53	75.31
				23 09 23 00-0300 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	280.53	75.31
				23 09 23 00-0301 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	374.53	75.31
				23 09 23 00-0302 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	595.52	100.42
				23 09 23 00-0303 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	627.81	100.42
23 09 23 00-0304				Pneumatic Thermostats <small>(23 09 23 00-0293)</small>		
				Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
				23 09 23 00-0305 EA Pneumatic Thermostat (Honeywell TP970B2182)	229.47	60.25
23 09 23 00-0306				Thermostats Guards <small>(23 09 23 00-0293)</small>		
				23 09 23 00-0307 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	119.87	50.21
				23 09 23 00-0308 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	127.37	50.21
				23 09 23 00-0309 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	124.67	50.21
23 09 23 00-0310				Delta Controls <small>(23 09 23)</small>		
23 09 23 00-0311				Software <small>(23 09 23 00-0310)</small>		
				Note: Excludes programming, set-up and commissioning of application.		
				23 09 23 00-0312 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,365.48	
				23 09 23 00-0313 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,104.74	
				23 09 23 00-0314 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	4,560.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0315 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	7,328.91	
23 09 23 00-0316 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	3,821.01	
23 09 23 00-0317 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,365.48	
23 09 23 00-0318 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,119.43	
23 09 23 00-0319 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	3,821.01	
23 09 23 00-0320 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,461.06	100.42
23 09 23 00-0321 EA Delta Controls Touch Screen (Delta Controls DHMI-7-1)	1,443.33	
23 09 23 00-0322 EMCS Central Equipment And Controllers (23 09 23 00-0310)		
23 09 23 00-0323 EA Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616).....	5,726.79	401.67
23 09 23 00-0324 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	4,604.26	401.67
23 09 23 00-0325 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,669.41	401.67
23 09 23 00-0326 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	3,669.41	401.67
23 09 23 00-0327 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,669.41	401.67
23 09 23 00-0328 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	3,498.45	401.67
23 09 23 00-0329 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,113.80	200.84
23 09 23 00-0330 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,038.38	200.84
23 09 23 00-0331 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,088.42	200.84
23 09 23 00-0332 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,038.38	200.84
23 09 23 00-0333 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,126.72	251.05
23 09 23 00-0334 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	585.57	100.42
23 09 23 00-0335 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	617.37	100.42
23 09 23 00-0336 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	699.84	100.42
23 09 23 00-0337 Network, VAV And Special Sensors (23 09 23 00-0310)		
23 09 23 00-0338 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	175.00	32.13
23 09 23 00-0339 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	230.70	36.15
23 09 23 00-0340 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	448.62	44.18
23 09 23 00-0341 Trane Controls (23 09 23)		
23 09 23 00-0342 Software (23 09 23 00-0341)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0343 EA Summit + Building Management Package (Trane 40201152).....	2,236.12	
23 09 23 00-0344 EA Summit Current Version Software (Trane 40201111)	2,246.23	
23 09 23 00-0345 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	513.92	
23 09 23 00-0346 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	1,698.24	
23 09 23 00-0347 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	5,962.60	
23 09 23 00-0348 EMCS Central Equipment And Controllers (23 09 23 00-0341)		
23 09 23 00-0349 EA Summit BTMX Operator Display Upgrade (Trane 40201224).....	4,477.24	401.67
23 09 23 00-0350 EA Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	8,648.15	401.67
23 09 23 00-0351 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	8,648.15	401.67
23 09 23 00-0352 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	7,742.50	401.67
23 09 23 00-0353 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	8,795.49	401.67
23 09 23 00-0354 EA Summit CCP Upgrade ROM Kit (Trane 40201095)	152.84	25.10



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Instrumentation And Control For HVAC	23 09
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0355	EA		Summit Comm5 Repeater (Trane 49500457).....	1,189.83	200.84
23 09 23 00-0356	EA		AHU Controller MP580/581 E Board Only (Trane 40201157)	1,887.09	251.05
23 09 23 00-0357	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	2,390.20	301.26
23 09 23 00-0358	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	1,971.71	301.26
23 09 23 00-0359	EA		AHU Controller MP581 Operator Door Display (Trane 40201156).....	1,735.60	301.26
23 09 23 00-0360	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,733.78	301.26
23 09 23 00-0361	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	729.51	100.42
23 09 23 00-0362	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	677.49	100.42
23 09 23 00-0363	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,251.00	200.84
23 09 23 00-0364	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,207.86	200.84
23 09 23 00-0365	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	658.43	100.42
23 09 23 00-0366	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	595.80	100.42
23 09 23 00-0367	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	812.57	100.42
23 09 23 00-0368	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	750.27	100.42
23 09 23 00-0369	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	664.01	100.42
23 09 23 00-0370	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	639.86	100.42
23 09 23 00-0371	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	713.54	100.42
23 09 23 00-0372	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	664.01	100.42
23 09 23 00-0373	EA		DDC VAV Retrofit Kit (Trane VRTODD01)	1,015.28	200.84
23 09 23 00-0374	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,076.89	200.84
23 09 23 00-0375 Network, VAV And Special Sensors <small>(23 09 23 00-0341)</small>					
23 09 23 00-0376	EA		Digital Display Zone Sensor (Trane X13790464010).....	144.86	32.13
23 09 23 00-0377	EA		Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	111.48	32.13
23 09 23 00-0378	EA		Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	102.00	32.13
23 09 23 00-0379	EA		Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	173.05	36.15
23 09 23 00-0380	EA		Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	120.27	32.13
23 09 23 00-0381	EA		Zone Sensor LCD O/C Setpoint (Trane 41901120).....	120.27	32.13
23 09 23 00-0382	EA		Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	484.82	57.85
23 09 23 00-0383	EA		Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	375.83	32.13
23 09 23 00-0384	EA		Transformer 120/24 40 VA (Trane X13550284010).....	109.27	32.13
23 09 23 00-0385	EA		Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	94.72	32.13
23 09 23 00-0386	EA		Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	91.51	32.13
23 09 23 00-0387	EA		Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,100.78	400.02
23 09 23 00-0388	EA		Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,067.55	400.02
23 09 23 00-0389	EA		Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	959.36	400.02
23 09 23 00-0390	EA		Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,597.76	600.00
23 09 23 00-0391	EA		Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	959.77	400.02
23 09 23 00-0392	EA		Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,033.37	400.02
23 09 23 00-0393	EA		Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	993.57	400.02
23 09 23 00-0394	EA		Controller Optional Metal Enclosure, UC210 (Trane 501898).....	416.75	199.98
23 09 23 00-0395	EA		Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801)	509.48	199.98
23 09 23 00-0396	EA		Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	1,711.35	600.00
23 09 23 00-0397	EA		Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,683.17	600.00
23 09 23 00-0398	EA		Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	106.78	40.02
23 09 23 00-0399	EA		Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	314.01	72.00
23 09 23 00-0400	EA		SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,727.11	600.00
23 09 23 00-0401	EA		BACnet Term (2 Pack) (Trane X1365152401).....	174.66	72.00
23 09 23 00-0402	EA		Tracer ES Add License (Trane X40250125010).....	3,768.51	1,599.96
23 09 23 00-0403	EA		Kit - Tracer TU For Controls (Trane X4509151201).....	5,058.39	1,599.86
23 09 23 00-0404	EA		Kit - Tracer TU Complete (Trane X4509151301).....	6,168.95	1,599.86
23 09 23 00-0405	EA		Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	356.20	72.00
23 09 23 00-0406	EA		Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	215.03	72.00
23 09 23 00-0407	EA		Sensor Wireless Display Sensor (Trane X13790822010).....	232.46	72.00
23 09 23 00-0408	EA		Sensor Wireless Receiver, 100mW (Trane X13790854010)	226.95	72.00
23 09 23 00-0409	EA		Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	320.49	72.00
23 09 23 00-0410	EA		Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	344.30	72.00
23 09 23 00-0411 Johnson Controls <small>(23 09 23)</small>					
23 09 23 00-0412 Software <small>(23 09 23 00-0411)</small>					
Note: Excludes programming, set-up and commissioning of application.					
23 09 23 00-0413	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	10,285.43	
23 09 23 00-0414	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	12,143.56	
23 09 23 00-0415	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	705.98	
23 09 23 00-0416	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,012.20	
23 09 23 00-0417	EA		BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	1,706.87	
23 09 23 00-0418	EA		BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	711.16	
23 09 23 00-0419	EA		New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	708.13	
23 09 23 00-0420	EA		Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	328.99	
23 09 23 00-0421 Supervisory Controllers <small>(23 09 23 00-0411)</small>					
23 09 23 00-0422	EA		NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	5,610.42	401.67
23 09 23 00-0423	EA		NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	8,060.97	401.67

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0424 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	10,516.95	401.67
23 09 23 00-0425 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	4,666.48	401.67
23 09 23 00-0426 Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0427 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	662.08	100.42
23 09 23 00-0428 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	825.48	200.84
23 09 23 00-0429 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,178.35	200.84
23 09 23 00-0430 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,341.74	200.84
23 09 23 00-0431 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	568.34	100.42
23 09 23 00-0432 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	610.00	100.42
23 09 23 00-0433 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	672.50	100.42
23 09 23 00-0434 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOM4710-0).....	680.83	100.42
23 09 23 00-0435 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0).....	656.76	100.42
23 09 23 00-0436 EA BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0)	681.05	100.42
23 09 23 00-0437 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,384.26	200.84
23 09 23 00-0438 Master FX Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0439 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,671.72	200.84
23 09 23 00-0440 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	1,770.55	200.84
23 09 23 00-0441 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,819.66	200.84
23 09 23 00-0442 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,789.82	200.84
23 09 23 00-0443 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,743.17	200.84
23 09 23 00-0444 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,750.65	200.84
23 09 23 00-0445 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,743.17	200.84
23 09 23 00-0446 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	1,770.66	200.84
23 09 23 00-0447 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	1,856.01	200.84
23 09 23 00-0448 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	1,912.91	200.84
23 09 23 00-0449 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	1,884.46	200.84
23 09 23 00-0450 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	1,826.22	200.84
23 09 23 00-0451 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	1,770.66	200.84
23 09 23 00-0452 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	1,856.01	200.84
23 09 23 00-0453 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	1,912.91	200.84
23 09 23 00-0454 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,884.46	200.84
23 09 23 00-0455 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	1,826.22	200.84
23 09 23 00-0456 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	201.23	50.21
23 09 23 00-0457 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	271.25	50.21
23 09 23 00-0458 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	220.89	50.21
23 09 23 00-0459 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	201.23	50.21
23 09 23 00-0460 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	547.19	50.21
23 09 23 00-0461 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	511.17	50.21
23 09 23 00-0462 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	519.60	50.21
23 09 23 00-0463 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	519.60	50.21
23 09 23 00-0464 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	561.73	50.21
23 09 23 00-0465 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	561.73	50.21
23 09 23 00-0466 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	682.84	50.21
23 09 23 00-0467 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	682.84	50.21
23 09 23 00-0468 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	751.29	50.21



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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0469	EA			6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	751.29	50.21
23 09 23 00-0470 VAV, Network And Special Sensors <small>(23 09 23 00-0411)</small>						
23 09 23 00-0471	EA			3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	340.00	32.13
23 09 23 00-0472	EA			3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	133.39	32.13
23 09 23 00-0473	EA			3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	269.81	32.13
23 09 23 00-0474	EA			3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	388.95	32.13
23 09 23 00-0475	EA			3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	148.86	32.13
23 09 23 00-0476	EA			3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	355.36	32.13
23 09 23 00-0477 Sensors - Hard Wired Type <small>(23 09 23 00-0411)</small>						
23 09 23 00-0478	EA			Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	153.93	57.85
23 09 23 00-0479	EA			Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	115.70	32.13
23 09 23 00-0480	EA			BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	271.18	32.13
23 09 23 00-0481	EA			BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.	356.69	32.13
23 09 23 00-0482	EA			BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	271.65	32.13
23 09 23 00-0483	EA			BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	347.73	32.13
23 09 23 00-0484	EA			BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	421.73	32.13
23 09 23 00-0485 Automated Logic Controls <small>(23 09 23)</small>						
23 09 23 00-0486	EA			Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25).....	2,994.93	321.34
23 09 23 00-0487	EA			Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250).....	3,466.10	321.34
23 09 23 00-0488	EA			Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000).....	5,035.23	321.34
23 09 23 00-0489	EA			Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25).....	3,373.55	321.34
23 09 23 00-0490	EA			Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200).....	5,413.84	321.34
23 09 23 00-0491	EA			ME812u Controller And Router (Automated Logic ME812u-LGR).....	7,672.59	642.67
23 09 23 00-0492	EA			4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx48u).....	2,395.47	321.34
23 09 23 00-0493	EA			8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx88u).....	2,738.32	321.34
23 09 23 00-0494	EA			0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx016u).....	2,542.70	321.34
23 09 23 00-0495	EA			8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx816u).....	5,783.60	803.35
23 09 23 00-0496	EA			0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	2,298.79	241.00
23 09 23 00-0497	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	5,508.12	723.01
23 09 23 00-0498	EA			2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,735.08	241.00
23 09 23 00-0499	EA			4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	3,289.41	321.34
23 09 23 00-0500	EA			8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	3,247.34	321.34
23 09 23 00-0501	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	5,485.05	642.67
23 09 23 00-0502	EA			8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	2,973.90	321.34
23 09 23 00-0503	EA			0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic MX0320).....	2,820.43	241.00
23 09 23 00-0504	EA			16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic MX16160).....	5,232.64	642.67
23 09 23 00-0505	EA			No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,091.52	160.67
23 09 23 00-0506	EA			With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,133.58	160.67
23 09 23 00-0507	EA			6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a).....	3,695.14	562.35
23 09 23 00-0508	EA			6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166).....	4,454.39	642.67
23 09 23 00-0509	EA			2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220).....	1,366.98	241.00
23 09 23 00-0510	EA			2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253).....	1,528.94	241.00
23 09 23 00-0511	EA			3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	1,158.82	160.67
23 09 23 00-0512	EA			1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	1,139.89	160.67
23 09 23 00-0513	EA			5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551).....	1,476.78	241.00
23 09 23 00-0514	EA			Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,373.29	241.00
23 09 23 00-0515	EA			Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	7,920.95	
23 09 23 00-0516	EA			500 Point, Front End Software For Building Control (Automated Logic WC500).....	3,587.94	
23 09 23 00-0517	EA			Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP).....	1,644.71	
23 09 23 00-0518	EA			Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC).....	2,065.39	
23 09 23 00-0519	EA			Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM).....	2,448.05	
23 09 23 00-0520	EA			Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	2,906.75	
23 09 23 00-0521 Alerton Controls <small>(23 09 23)</small>						

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0522 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	4,889.61	
23 09 23 00-0523 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	7,162.56	
23 09 23 00-0524 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	16,667.60	
23 09 23 00-0525 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	12,741.60	
23 09 23 00-0526 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	31,338.42	
23 09 23 00-0527 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	18,940.53	
23 09 23 00-0528 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	37,537.35	
23 09 23 00-0529 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,139.63	
23 09 23 00-0530 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	14,832.71	
23 09 23 00-0531 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	11,107.15	
23 09 23 00-0532 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	7,133.63	
23 09 23 00-0533 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	4,771.83	
23 09 23 00-0534 EA 10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS)	1,950.96	
23 09 23 00-0535 EA 1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100)	3,106.03	241.00
23 09 23 00-0536 EA Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	4,106.93	321.34
23 09 23 00-0537 EA Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS)	4,466.46	321.34
23 09 23 00-0538 EA V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM)	1,886.90	241.00
23 09 23 00-0539 EA 1 MS/TP, BACTalk Control Module (Alerton 715000300)	2,182.39	241.00
23 09 23 00-0540 EA Power Supply, BACTalk Control Module (Alerton BCM-PWS)	1,795.98	241.00
23 09 23 00-0541 EA 1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX)	1,986.09	241.00
23 09 23 00-0542 EA Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB)	4,333.42	241.00
23 09 23 00-0543 EA BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	2,414.62	321.34
23 09 23 00-0544 EA EXP BACnet Controller (Alerton VLX)	5,178.44	642.67
23 09 23 00-0545 EA VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	5,825.20	642.67
23 09 23 00-0546 EA Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	673.93	71.56
23 09 23 00-0547 EA 4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	1,628.61	241.00
23 09 23 00-0548 EA 4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	1,696.81	241.00
23 09 23 00-0549 EA 4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,461.25	241.00
23 09 23 00-0550 EA 4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,556.30	241.00
23 09 23 00-0551 EA 5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,552.17	241.00
23 09 23 00-0552 EA 11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	2,025.35	241.00
23 09 23 00-0553 EA 16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	1,680.27	241.00
23 09 23 00-0554 EA 16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160)	2,431.15	321.34
23 09 23 00-0555 EA 4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,117.43	160.67
23 09 23 00-0556 EA 5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550)	1,092.63	160.67
23 09 23 00-0557 EA 6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R)	1,562.49	241.00
23 09 23 00-0558 EA 6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R)	1,562.49	241.00
23 09 23 00-0559 EA 8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853)	1,736.07	241.00
23 09 23 00-0560 EA 16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	3,096.50	321.34
23 09 23 00-0561 EA 2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	1,601.75	241.00
23 09 23 00-0562 EA Wireless Door Contact Sensor (Alerton AL-OC-DS)	94.20	9.04
23 09 23 00-0563 EA One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT)	142.30	9.04
23 09 23 00-0564 EA One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	266.29	9.04
23 09 23 00-0565 EA Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT)	142.30	9.04
23 09 23 00-0566 EA Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	266.29	9.04
23 09 23 00-0567 EA BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	94.78	9.04
23 09 23 00-0568 EA Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	355.14	9.04
23 09 23 00-0569 EA Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	396.47	9.04
23 09 23 00-0570 EA 10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	2,093.54	241.00
23 09 23 00-0571 EA 10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	2,093.54	241.00
23 09 23 00-0572 EA 22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	2,015.02	241.00

23 09 23 00-0573 Siemens Controls (23 09 23)

23 09 23 00-0574 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	198.14	32.13
23 09 23 00-0575 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	174.14	32.13
23 09 23 00-0576 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	221.30	67.84
23 09 23 00-0577 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	319.90	67.84
23 09 23 00-0578 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	37.34	
23 09 23 00-0579 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	128.06	100.42
23 09 23 00-0580 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	209.20	18.83
23 09 23 00-0581 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	370.20	34.19
23 09 23 00-0582 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	709.21	34.19
23 09 23 00-0583 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	607.72	43.30
23 09 23 00-0584 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	215.13	57.85
23 09 23 00-0585 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	175.62	32.13
23 09 23 00-0586 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	1,039.70	160.67



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Instrumentation And Control For HVAC	23 09
Direct-Digital Control System For HVAC	23 09 23

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0587	EA			9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	61.37	
23 09 23 00-0588	EA			Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,077.36	160.67
23 09 23 00-0589	EA			MMI Extension Cable (Siemens 545-712).....	97.97	
23 09 23 00-0590	EA			Remote Pressure Transmitter (Siemens 547-003).....	611.72	32.13
23 09 23 00-0591	EA			Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	1,146.81	160.67
23 09 23 00-0592	EA			BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	1,069.98	160.67
23 09 23 00-0593	EA			Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	7,699.00	
23 09 23 00-0594	EA			BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	364.44	
23 09 23 00-0595	EA			Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	1,339.01	
23 09 23 00-0596	EA			1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	243.56	11.37
23 09 23 00-0597	EA			2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	501.83	19.71
23 09 23 00-0598	EA			FireFinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	8,128.69	401.67
23 09 23 00-0599	EA			SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	9,015.73	401.67
23 09 23 00-0600	EA			License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,718.44	
23 09 23 00-0601	EA			License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	804.40	
23 09 23 00-0602	EA			License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,878.75	
23 09 23 00-0603	EA			License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,403.38	
23 09 23 00-0604	EA			License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,279.28	
23 09 23 00-0605	EA			License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	3,240.89	
23 09 23 00-0606	EA			16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	436.76	
23 09 23 00-0607	EA			16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	486.58	
23 09 23 00-0608	EA			8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	250.13	
23 09 23 00-0609	EA			18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	398.69	50.21
23 09 23 00-0610	EA			19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	593.60	50.21
23 09 23 00-0611	EA			34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	760.03	50.21
23 09 23 00-0612	EA			Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	28.71	
23 09 23 00-0613	EA			115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	634.61	50.21
23 09 23 00-0614	EA			115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	885.89	50.21
23 09 23 00-0615	EA			230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	727.18	50.21
23 09 23 00-0616	EA			230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	991.70	50.21
23 09 23 00-0617	EA			PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	5,211.51	562.35
23 09 23 00-0618	EA			PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,424.23	160.67
23 09 23 00-0619	EA			16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,437.54	301.26
23 09 23 00-0620	EA			16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,589.74	301.26
23 09 23 00-0621	EA			16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,437.54	301.26
23 09 23 00-0622	EA			24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,996.65	321.34
23 09 23 00-0623	EA			24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	3,072.73	321.34
23 09 23 00-0624	EA			24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	3,040.46	321.34
23 09 23 00-0625	EA			24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,187.64	321.34
23 09 23 00-0626	EA			24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,996.65	321.34
23 09 23 00-0627	EA			24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,111.92	321.34
23 09 23 00-0628	EA			36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	4,909.85	562.35
23 09 23 00-0629	EA			36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	7,469.61	642.67
23 09 23 00-0630	EA			License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,047.01	
23 09 23 00-0631	EA			Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	434.32	40.17
23 09 23 00-0632	EA			Controller Mounted Operator Display Module (Siemens PXM10T).....	564.89	80.34
23 09 23 00-0633	EA			Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3).....	512.16	20.08
23 09 23 00-0634	EA			Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	162.60	32.13
23 09 23 00-0635	EA			4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	115.16	32.13
23 09 23 00-0636	EA			8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	177.06	57.85
23 09 23 00-0637	EA			2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	228.53	57.85
23 09 23 00-0638	EA			10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	1,980.61	323.55
23 09 23 00-0639	EA			Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.33	
23 09 23 00-0640	EA			16 Digital Input Module (Siemens TXM1.16D).....	1,075.89	160.67
23 09 23 00-0641	Cypress Envirosystems Controls (23 09 23)					
23 09 23 00-0642	Wireless Pneumatic Thermostat (23 09 23 00-0641)					
	Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.					
23 09 23 00-0643	EA			Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	548.98	10.04
	Note: One for every thermostat to be retrofitted.					
	<i>For >50 To 200, Deduct</i> -28.66					
	<i>For >200, Deduct</i> -57.28					
23 09 23 00-0644	EA			Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	548.98	10.04
	Note: One for every thermostat to be retrofitted.					
	<i>For >50 To 200, Deduct</i> -28.66					
	<i>For >200, Deduct</i> -57.28					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0645 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	548.98	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.66	
For >200, Deduct	-57.28	
23 09 23 00-0646 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	548.98	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.66	
For >200, Deduct	-57.28	
23 09 23 00-0647 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	625.75	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.93	
For >200, Deduct	-65.81	
23 09 23 00-0648 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	625.75	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.93	
For >200, Deduct	-65.81	
23 09 23 00-0649 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	625.75	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.93	
For >200, Deduct	-65.81	
23 09 23 00-0650 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	625.75	10.04
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.93	
For >200, Deduct	-65.81	
23 09 23 00-0651 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	42.95	10.04
Note: Optional cover.		
For >50 To 200, Deduct	-1.83	
For >200, Deduct	-3.66	
23 09 23 00-0652 EA Green Box Controller (Cypress Envirosystems GBC-800-001)	3,333.87	10.04
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-163.03	
For >2, Deduct	-325.77	
23 09 23 00-0653 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	376.34	10.04
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-20.37	
For >2, Deduct	-40.70	
23 09 23 00-0654 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	434.11	10.04
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-21.34	
For >10, Deduct	-42.65	
23 09 23 00-0655 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	546.84	10.04
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-24.82	
For >10, Deduct	-49.60	
23 09 23 00-0656 Melink Intelli-Hood IH3 Controls (23 09 23)		
23 09 23 00-0657 Kitchen Ventilation Controllers (23 09 23 00-0656)		
23 09 23 00-0658 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	6,326.71	401.67
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0659 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001)	1,066.86	82.85
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		
23 09 23 00-0660 EA Hood Controller (Melink Intelli-Hood 2SEN-3001).....	1,960.28	334.39
Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.		
23 09 23 00-0661 Kitchen Ventilation Sensors (23 09 23 00-0656)		
23 09 23 00-0662 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)	340.82	57.85
Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.		
23 09 23 00-0663 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28)	2,765.22	321.34
Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.		
23 09 23 00-0664 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)		
23 09 23 00-0665 Temperature Sensors (23 09 23 00-0664)		
23 09 23 00-0666 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	170.86	57.85
23 09 23 00-0667 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	195.31	57.85
23 09 23 00-0668 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	174.26	57.85
23 09 23 00-0669 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	172.64	57.85
23 09 23 00-0670 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	218.32	57.85
23 09 23 00-0671 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	181.71	57.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0672	EA		10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	173.39	57.85
	23 09 23 00-0673	EA		10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	190.04	57.85
	23 09 23 00-0674	EA		10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	185.96	57.85
	23 09 23 00-0675	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	240.70	80.34
	23 09 23 00-0676	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	246.49	80.34
	23 09 23 00-0677	EA		Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	98.92	32.13
	23 09 23 00-0678	EA		Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	101.37	32.13
	23 09 23 00-0679	EA		Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	101.37	32.13
23 09 23 00-0680	Water Temperature Sensors <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0681	EA		5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	126.99	62.16
	23 09 23 00-0682	EA		Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	306.14	62.16
23 09 23 00-0683	Relative Humidity Sensors <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0684	EA		3% Duct Mounted RH Sensor (Kele HD30K)	331.49	57.85
	23 09 23 00-0685	EA		10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	341.16	57.85
	23 09 23 00-0686	EA		3% RH Outdoor Air Sensor (Kele HO30K)	396.15	80.34
	23 09 23 00-0687	EA		2% Surface Mounted RH Transmitter (Kele HW20K)	273.92	32.13
23 09 23 00-0688	Pressure Sensors <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0689	EA		Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005)	413.30	67.84
	23 09 23 00-0690	EA		Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050)	382.62	67.84
	23 09 23 00-0691	EA		Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	199.55	67.84
	23 09 23 00-0692	EA		Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	201.07	67.84
	23 09 23 00-0693	EA		Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	211.96	67.84
	23 09 23 00-0694	EA		Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	198.56	67.84
	23 09 23 00-0695	EA		Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA)	1,513.22	67.84
				Note: Excludes pipe fittings.		
	23 09 23 00-0696	EA		Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA)	1,513.22	67.84
				Note: Excludes pipe fittings.		
	23 09 23 00-0697	EA		Magnahelic Gauge	483.68	41.47
23 09 23 00-0698	Water Flow Meters <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0699	EA		Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	2,754.52	95.63
				Note: Excludes pipe fittings.		
	23 09 23 00-0700	EA		Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210)	178.69	31.87
				Note: Excludes pipe fittings.		
23 09 23 00-0701	Air Flow Monitoring Stations <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0702	EA		Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	2,198.31	106.71
				Note: 10' cable, 36" x 24" typical duct size.		
	23 09 23 00-0703	EA		Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	3,105.49	106.71
				Note: 10' cable, 48" x 36" typical duct size.		
	23 09 23 00-0704	EA		Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	3,836.88	106.71
				Note: 10' cable, 60" x 48" typical duct size.		
23 09 23 00-0705	Gas Sensors <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0706	EA		6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,145.25	48.20
	23 09 23 00-0707	EA		Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	432.69	32.13
	23 09 23 00-0708	EA		CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)	919.34	48.20
				Note: Solid state sensor.		
	23 09 23 00-0709	EA		CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	528.48	57.85
23 09 23 00-0710	Room Pressure Monitoring <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0711	EA		Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,815.42	55.57
	23 09 23 00-0712	EA		Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)	2,870.00	55.57
				Note: Excludes dampers and actuators.		
	23 09 23 00-0713	EA		Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	246.20	33.34
	23 09 23 00-0714	EA		Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	279.86	33.34
23 09 23 00-0715	Current Switches And Current Sensors <small>(23 09 23 00-0664)</small>					
	23 09 23 00-0716	EA		Current Sensor, 0-20 Amp, 0-5 Volt DC (Serva C-1203)	96.50	32.13
	23 09 23 00-0717	EA		Current Sensor, 0-20 Amp, 4-20mA (Serva C-1205)	98.52	32.13
	23 09 23 00-0718	EA		VFD Current Switch, 0.5-135 Amp Range, Split Core (Serva C-2350VFD-L)	119.74	32.13
	23 09 23 00-0719	EA		Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Serva C-2300 And CR4-24)	102.59	32.13
	23 09 23 00-0720	EA		DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA)	170.64	32.13
	23 09 23 00-0721	EA		DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC)	170.64	32.13
	23 09 23 00-0722	EA		Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	121.17	32.13
	23 09 23 00-0723	EA		Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721)	130.11	32.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0724 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,028.24	160.67
23 09 23 00-0725 EA Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2).....	475.36	32.13
Note: 3 phase networked transducer.		
23 09 23 00-0726 EA Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3).....	695.79	32.13
23 09 23 00-0727 EA Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV).....	167.90	32.13
23 09 23 00-0728 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	247.14	85.35
23 09 23 00-0729 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	254.55	85.35
23 09 23 00-0730 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	263.00	85.35
23 09 23 00-0731 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	273.58	85.35
23 09 23 00-0732 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	298.92	85.35
23 09 23 00-0733 EA Toggle Switch.....	107.81	40.17
23 09 23 00-0734 EA Maintained Pushbutton Switch.....	112.58	40.17
23 09 23 00-0735 EA Manual Time Switch.....	157.48	40.17
23 09 23 00-0736 EA Emergency Stop Switch.....	237.78	40.17
23 09 23 00-0737 EA Float Switch.....	268.47	40.17
23 09 23 00-0738 EA Break Glass Switch.....	745.10	40.17
23 09 23 00-0739 EA Boiler E-Stop Switch.....	539.03	40.17
23 09 23 00-0740 Relays (23 09 23 00-0664)		
23 09 23 00-0741 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	90.43	32.13
23 09 23 00-0742 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	99.62	32.13
23 09 23 00-0743 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	128.81	40.17
Note: Box type.		
23 09 23 00-0744 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	150.63	32.13
23 09 23 00-0745 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	86.90	32.13
23 09 23 00-0746 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	85.23	32.13
23 09 23 00-0747 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	89.40	32.13
23 09 23 00-0748 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	85.62	32.13
23 09 23 00-0749 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	92.80	32.13
23 09 23 00-0750 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	119.56	40.17
Note: Box type.		
23 09 23 00-0751 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	127.86	40.17
Note: Box type.		
23 09 23 00-0752 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	236.75	40.17
23 09 23 00-0753 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	277.14	40.17
23 09 23 00-0754 Surge Protectors (23 09 23 00-0664)		
23 09 23 00-0755 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	184.75	8.04
23 09 23 00-0756 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	141.30	8.04
23 09 23 00-0757 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	216.06	8.04
23 09 23 00-0758 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	120.09	8.04
23 09 23 00-0759 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	120.09	8.04
23 09 23 00-0760 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	120.09	8.04
23 09 23 00-0761 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	170.61	8.04
23 09 23 00-0762 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	107.96	8.04
23 09 23 00-0763 Transformers (23 09 23 00-0664)		
23 09 23 00-0764 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	107.27	32.13
23 09 23 00-0765 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	114.65	32.13
23 09 23 00-0766 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	117.93	32.13
23 09 23 00-0767 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	121.37	32.13
23 09 23 00-0768 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	129.83	32.13
23 09 23 00-0769 Power Supplies (23 09 23 00-0664)		
23 09 23 00-0770 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	132.94	32.13
23 09 23 00-0771 EA AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2).....	153.17	32.13
23 09 23 00-0772 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	141.85	32.13
23 09 23 00-0773 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	146.01	32.13
23 09 23 00-0774 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	146.01	32.13
23 09 23 00-0775 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	146.01	32.13
23 09 23 00-0776 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	121.59	32.13
23 09 23 00-0777 Control Damper Actuators (23 09 23 00-0664)		
23 09 23 00-0778 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	447.21	91.83
23 09 23 00-0779 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	465.23	91.83
23 09 23 00-0780 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	525.70	91.83
23 09 23 00-0781 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	537.37	91.83
23 09 23 00-0782 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	564.95	91.83
23 09 23 00-0783 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	606.31	91.83



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 00-0784

Valves With Actuator (23 09 23 00-0664)

23 09 23 00-0785	EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	424.21	13.96
23 09 23 00-0786	EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	442.74	18.83
23 09 23 00-0787	EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	486.57	22.79
23 09 23 00-0788	EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	534.65	28.87
23 09 23 00-0789	EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	609.40	33.31
23 09 23 00-0790	EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	690.32	39.37
23 09 23 00-0791	EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,295.75	78.73
23 09 23 00-0792	EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,410.94	92.13
23 09 23 00-0793	EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	1,914.55	135.33
23 09 23 00-0794	EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,812.97	195.57
23 09 23 00-0795	EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,115.69	216.52
23 09 23 00-0796	EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	461.83	20.95
23 09 23 00-0797	EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	482.17	28.24
23 09 23 00-0798	EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	525.67	34.19
23 09 23 00-0799	EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	587.72	43.30
23 09 23 00-0800	EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	749.68	49.97
23 09 23 00-0801	EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	834.97	59.05
23 09 23 00-0802	EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,487.51	118.10
23 09 23 00-0803	EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,642.78	138.21
23 09 23 00-0804	EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	2,392.33	202.99
23 09 23 00-0805	EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	3,469.01	293.35
23 09 23 00-0806	EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	3,855.20	324.78
23 09 23 00-0807	EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	120.85	13.96
23 09 23 00-0808	EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	141.48	18.83
23 09 23 00-0809	EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	179.07	22.79
23 09 23 00-0810	EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	146.80	20.95
23 09 23 00-0811	EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	172.43	28.24
23 09 23 00-0812	EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	215.94	34.19
23 09 23 00-0813	EA 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	165.40	13.96
23 09 23 00-0814	EA 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	213.60	18.83
23 09 23 00-0815	EA 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	223.51	22.79
23 09 23 00-0816	EA 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	291.75	28.86
23 09 23 00-0817	EA 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	302.85	33.31
23 09 23 00-0818	EA 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	383.74	39.37
23 09 23 00-0819	EA 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	821.61	78.73
23 09 23 00-0820	EA 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	964.38	92.13
23 09 23 00-0821	EA 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	201.96	20.95
23 09 23 00-0822	EA 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	235.03	28.24
23 09 23 00-0823	EA 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	301.86	34.19
23 09 23 00-0824	EA 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	426.48	43.30
23 09 23 00-0825	EA 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	451.62	49.97
23 09 23 00-0826	EA 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	589.94	59.05
23 09 23 00-0827	EA 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	502.90	72.18
23 09 23 00-0828	EA 2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	528.84	78.73
23 09 23 00-0829	EA 3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	688.58	92.13
23 09 23 00-0830	EA 4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1)	1,094.14	154.66
23 09 23 00-0831	EA 5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,022.73	195.57
23 09 23 00-0832	EA 6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,189.67	216.52
23 09 23 00-0833	EA 8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,011.63	247.46
23 09 23 00-0834	EA 10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,776.56	303.14
23 09 23 00-0835	EA 12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,473.08	367.43
23 09 23 00-0836	EA 14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	4,983.98	433.04
23 09 23 00-0837	EA 16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	6,539.07	476.36
23 09 23 00-0838	EA 18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	7,898.42	529.18
23 09 23 00-0839	EA 2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	914.52	108.26
23 09 23 00-0840	EA 2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,071.72	118.10
23 09 23 00-0841	EA 3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1)	1,319.26	138.21
23 09 23 00-0842	EA 4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1)	1,788.14	231.98
23 09 23 00-0843	EA 5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,238.82	293.35
23 09 23 00-0844	EA 6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,700.32	324.78
23 09 23 00-0845	EA 8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,556.80	371.22
23 09 23 00-0846	EA 10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,013.97	454.70
23 09 23 00-0847	EA 12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	5,714.12	551.15
23 09 23 00-0848	EA 14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	7,123.33	649.57
23 09 23 00-0849	EA 16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	12,701.19	714.52
23 09 23 00-0850	EA 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	18,815.05	793.78

23 09 23 00-0851

Valve Actuators (23 09 23 00-0664)

23 09 23 00-0852	EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	386.87	89.45
23 09 23 00-0853	EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	394.50	89.45
23 09 23 00-0854	EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	427.12	89.45
23 09 23 00-0855	EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	438.39	89.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0856 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	441.24	89.45
23 09 23 00-0857 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	485.60	89.45
23 09 23 00-0858 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	506.60	89.45
23 09 23 00-0859 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	514.71	89.45
23 09 23 00-0860 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	534.26	89.45
23 09 23 00-0861 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	418.83	89.45
23 09 23 00-0862 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	459.86	89.45
23 09 23 00-0863 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	459.86	89.45
23 09 23 00-0864 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	466.06	89.45
23 09 23 00-0865 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	472.90	89.45
23 09 23 00-0866 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	514.23	89.45
23 09 23 00-0867 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	528.54	89.45
23 09 23 00-0868 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	534.74	89.45
23 09 23 00-0869 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	548.21	89.45
23 09 23 00-0870 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	550.01	89.45
23 09 23 00-0871 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	554.78	89.45
23 09 23 00-0872 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	664.48	89.45
23 09 23 00-0873 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	705.03	89.45
23 09 23 00-0874 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	506.12	89.45
23 09 23 00-0875 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	578.15	89.45
23 09 23 00-0876 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,328.96	89.45
23 09 23 00-0877 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,473.01	89.45
23 09 23 00-0878 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,783.07	89.45
23 09 23 00-0879 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,000.10	89.45
23 09 23 00-0880 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,326.85	89.45
23 09 23 00-0881 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,726.11	89.45
23 09 23 00-0882 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,554.19	89.45
23 09 23 00-0883 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,327.40	89.45
23 09 23 00-0884 Rectangular Volume Control Dampers (23 09 23 00-0864)		
Note: Excludes actuators.		
23 09 23 00-0885 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	136.26	34.46
23 09 23 00-0886 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	152.75	37.80
23 09 23 00-0887 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	170.35	41.69
23 09 23 00-0888 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	197.53	48.91
23 09 23 00-0889 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	223.59	55.57
23 09 23 00-0890 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	231.12	62.53
23 09 23 00-0891 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	277.91	69.47
23 09 23 00-0892 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	332.21	83.37
23 09 23 00-0893 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	418.87	97.26
23 09 23 00-0894 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	595.69	111.16
23 09 23 00-0895 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,030.26	125.05
23 09 23 00-0896 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,293.00	138.95
23 09 23 00-0897 Round Control Galvanized Dampers (23 09 23 00-0864)		
Note: Excludes actuators.		
23 09 23 00-0898 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	142.24	41.69
23 09 23 00-0899 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	142.29	41.69
23 09 23 00-0900 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	147.01	41.69
23 09 23 00-0901 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	152.85	41.69
23 09 23 00-0902 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	170.34	41.69
23 09 23 00-0903 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	200.26	55.57
23 09 23 00-0904 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	267.81	58.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0905	EA		20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	279.50	60.64
	23 09 23 00-0906	EA		22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	297.61	65.37
	23 09 23 00-0907	EA		24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	315.98	70.11
23 09 23 00-0908	Peco Thermostats and Sensors (23 09 23 00-0664)					
	23 09 23 00-0909	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	323.60	75.31
	23 09 23 00-0910	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	405.59	75.31
	23 09 23 00-0911	EA		Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	174.38	22.59
	23 09 23 00-0912	EA		Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	148.93	22.59
	23 09 23 00-0913	EA		Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	229.46	22.59
	23 09 23 00-0914	EA		Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	198.23	22.59
	23 09 23 00-0915	EA		Door Switch Occupancy Sensor (Peco SE200-001).....	53.80	22.59
	23 09 23 00-0916	EA		Window Switch Occupancy Sensor (Peco SE200-002).....	52.14	22.59
	23 09 23 00-0917	EA		Power Pack And Controller (Peco SF200-001).....	91.52	22.59

23 10 Facility Fuel Systems (23)

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	4.98	1.90
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.46	2.05
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.44	2.22
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.93	2.35
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.21	2.47
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	13.48	2.57
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	17.94	2.73

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.09	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.09	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.80	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.80	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.38	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.26	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.26	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.04	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	114.79	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	182.60	

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.46	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.80	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.80	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.38	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.38	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.72	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.72	

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.75	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.89	
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.10	
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.91	
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.25	
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	104.82	
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	199.70	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	328.10	
23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.08	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.79	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	100.68	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	168.58	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	181.01	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	207.02	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.17	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.27	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.72	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.28	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.80	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.61	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.61	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.68	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.67	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.67	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.62	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.94	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.30	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.83	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.82	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	118.61	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	144.73	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.98	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.27	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.17	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	101.45	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	104.60	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	139.55	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	173.09	
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.43	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.73	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.25	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.97	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	130.60	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	204.52	
23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
<small>Note: Includes mounting plate.</small>		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.39	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.64	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.41	
23 11 23 00-0087 EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.49	
23 11 23 00-0088 EA 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.70	
23 11 23 00-0089 EA 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.31	
23 11 23 00-0090 EA 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.13	
23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
<small>Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.</small>		
23 11 23 00-0092 EA 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	73.11	19.92
23 11 23 00-0093 EA 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.71	20.92
23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095 EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.18	17.43
23 11 23 00-0096 EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.29	20.72
23 11 23 00-0097 EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.35	24.91
23 11 23 00-0098 EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.90	33.27
23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
<small>Note: Includes mounting hardware.</small>		
23 11 23 00-0100 EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.17	20.72
23 11 23 00-0101 EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.84	24.91
23 11 23 00-0102 EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.07	20.72
23 11 23 00-0103 EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.37	24.91
23 11 23 00-0104 EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	157.56	62.26
23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106 EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.32	20.72
23 11 23 00-0107 EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.32	20.72
23 11 23 00-0108 EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.63	20.72
23 11 23 00-0109 EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.93	24.91
23 11 23 00-0110 EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.93	24.91
23 11 23 00-0111 EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	117.53	33.27
23 11 23 00-0112 EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	169.02	37.35
23 11 23 00-0113 EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.50	20.72
23 11 23 00-0114 EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	206.47	24.91
23 11 23 00-0115 EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	489.35	37.35
23 11 23 00-0116 Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0117 Brass Gas Stops <small>(23 11 23 00-0116)</small>		
<small>Note: Flat or square head</small>		
23 11 23 00-0118 EA 3/8" Brass Gas Stop	41.99	10.82
23 11 23 00-0119 EA 1/2" Brass Gas Stop	41.24	10.82
23 11 23 00-0120 EA 3/4" Brass Gas Stop	54.82	11.90
23 11 23 00-0121 EA 1" Brass Gas Stop	71.91	13.53
23 11 23 00-0122 EA 1-1/4" Brass Gas Stop.....	93.64	14.39
23 11 23 00-0123 EA 1-1/2" Brass Gas Stop.....	113.68	16.66
23 11 23 00-0124 EA 2" Brass Gas Stop	148.08	19.70
23 11 23 00-0125 Iron Body Gas Stops <small>(23 11 23 00-0116)</small>		
23 11 23 00-0126 EA 1/2" Iron Body Gas Stop	48.77	10.82
23 11 23 00-0127 EA 3/4" Iron Body Gas Stop	62.23	11.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 11 23 00-0128	EA	1" Iron Body Gas Stop	76.38	13.53
23 11 23 00-0129	EA	1-1/4" Iron Body Gas Stop	97.98	14.39
23 11 23 00-0130	EA	1-1/2" Iron Body Gas Stop	119.13	16.66
23 11 23 00-0131	EA	2" Iron Body Gas Stop	149.32	19.70
23 11 23 00-0132	EA	2-1/2" Iron Body Gas Stop	257.09	26.59
23 11 23 00-0133	EA	3" Iron Body Gas Stop	331.03	30.88
23 11 23 00-0134 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)				
23 11 23 00-0135	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	92.41	10.82
23 11 23 00-0136	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	106.71	10.82
23 11 23 00-0137	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	137.35	11.90
23 11 23 00-0138	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	198.37	13.53
23 11 23 00-0139	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	344.32	16.66
23 11 23 00-0140	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	561.74	19.70
23 11 23 00-0141	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	702.04	26.59
23 11 23 00-0142	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,031.54	30.88
23 11 33 Facility Fiberglass Reinforced Piping (23 11)				
23 11 33 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 33)				
23 11 33 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 33 00-0001)				
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).				
23 11 33 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	15.65	7.17
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-8.03	
23 11 33 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	18.76	8.57
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.64	
23 11 33 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	25.71	12.65
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.19	
23 11 33 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	29.79	14.54
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-15.99	
23 11 33 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	34.54	16.24
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.29	
23 11 33 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	43.74	18.36
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-20.63	
23 11 33 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	56.48	21.83
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.59	
23 11 33 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	73.45	27.50
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-30.94	
23 11 33 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 33 00-0001)				
23 11 33 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 33 00-0011)				
23 11 33 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	131.68	71.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-80.33	
23 11 33 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	156.39	85.77
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.41	
23 11 33 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	185.14	99.61
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-111.99	
23 11 33 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	211.83	108.61
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-119.81	
23 11 33 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	251.03	121.86
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.02	
23 11 33 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	345.28	152.27
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-171.27	
23 11 33 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	435.76	183.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.27	
23 11 33 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	570.70	227.45
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-255.77	
23 11 33 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 33 00-0011)				
23 11 33 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	131.87	71.43
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-80.33	
23 11 33 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	156.44	85.77
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.41	
23 11 33 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	185.36	99.71
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-112.07	
23 11 33 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	226.43	118.44
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-130.75	
23 11 33 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	250.96	121.86
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.02	
23 11 33 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	345.28	152.27
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-171.27	
23 11 33 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	445.07	183.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-206.27	
23 11 33 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	570.70	227.45
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-255.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0030 Fiberglass Reinforced Plastic Flanged Tees <small>(23 11 33 00-0011)</small>		
23 11 33 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	196.02 -120.50	107.18
23 11 33 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	238.48 -145.13	129.10
23 11 33 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	274.42 -168.12	149.52
23 11 33 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	330.81 -196.19	177.61
23 11 33 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	363.18 -206.27	183.42
23 11 33 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	453.15 -255.77	227.45
23 11 33 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	625.16 -309.40	275.13
23 11 33 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	798.15 -376.13	334.51
23 11 33 00-0039 Fiberglass Reinforced Plastic Flanged Wyes <small>(23 11 33 00-0011)</small>		
23 11 33 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.94 -120.50	107.18
23 11 33 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	272.48 -144.95	128.90
23 11 33 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	317.90 -168.11	149.52
23 11 33 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	367.85 -196.19	177.61
23 11 33 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	393.77 -206.27	183.42
23 11 33 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	501.52 -255.77	227.45
23 11 33 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	686.16 -309.40	275.13
23 11 33 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	864.65 -376.13	334.51
23 11 33 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers <small>(23 11 33 00-0011)</small>		
23 11 33 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	137.06 -80.33	71.43
23 11 33 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	169.84 -96.41	85.77
23 11 33 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	192.68 -112.07	99.71
23 11 33 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.31 -130.75	118.44
23 11 33 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	239.39 -137.02	121.86
23 11 33 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	307.39 -171.27	152.27
23 11 33 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	380.22 -206.27	183.42
23 11 33 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	493.42 -255.77	227.45
23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters <small>(23 11 33 00-0011)</small>		
23 11 33 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	126.37 -80.33	71.43
23 11 33 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	149.41 -96.41	85.77
23 11 33 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	172.27 -112.07	99.71
23 11 33 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	204.32 -130.75	118.44
23 11 33 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.83 -137.02	121.86
23 11 33 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	253.51 -171.27	152.27
23 11 33 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	311.16 -206.27	183.42
23 11 33 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	419.59 -255.77	227.45
23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples <small>(23 11 33 00-0011)</small>		
23 11 33 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	18.17 -9.64	8.57
23 11 33 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	36.27 -19.23	17.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	42.97 -14.80	13.15
23 11 33 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	51.59 -19.20	17.08
23 11 33 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	43.87 -13.70	12.15
23 11 33 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	56.93 -20.54	18.27
23 11 33 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	67.76 -22.61	20.46
23 11 33 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	78.61 -24.69	21.92
23 11 33 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	57.50 -28.77	25.57
23 11 33 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	80.29 -41.08	36.54
23 11 33 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	77.21 -29.24	26.04
23 11 33 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	115.79 -43.79	38.92
23 11 33 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	86.12 -30.17	26.85
23 11 33 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	118.55 -45.24	40.20
23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 33 00-0011)		
23 11 33 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	111.99 -80.33	71.43
23 11 33 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	134.49 -96.41	85.77
23 11 33 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	156.13 -112.07	99.71
23 11 33 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	183.59 -130.75	118.44
23 11 33 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	194.51 -137.02	121.86
23 11 33 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	245.69 -171.27	152.27
23 11 33 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	301.41 -206.27	183.42
23 11 33 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	372.13 -255.77	227.45
23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 33 00-0011)		
23 11 33 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	112.60 -80.33	71.43
23 11 33 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	135.29 -96.41	85.77
23 11 33 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	145.91 -102.58	91.25
23 11 33 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	172.11 -119.90	108.61
23 11 33 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	198.05 -137.02	121.86
23 11 33 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	239.47 -163.95	145.79
23 11 33 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	306.92 -206.27	183.42
23 11 33 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	394.19 -255.77	227.45
23 11 33 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 33)		
23 11 33 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 33 00-0099)		
23 11 33 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	61.40	30.78
23 11 33 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	72.95	36.46
23 11 33 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	101.72	53.79
23 11 33 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	136.02	69.73
23 11 33 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	168.11	78.56
23 11 33 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	213.09	93.17
23 11 33 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	270.50	117.56
23 11 33 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 33 00-0099)		



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	895.56	380.93
					3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,053.26	457.23
					4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,269.65	531.34
					6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,876.60	649.75
					8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,762.04	812.34
					10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,588.00	977.32
					12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,681.65	1,210.25
23 11 33 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	896.27	380.93
					3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,052.02	457.23
					4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,268.67	531.34
					6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,870.88	649.75
					8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,753.76	812.34
					10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,577.30	977.77
					12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,670.40	1,212.99
23 11 33 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,295.59	571.39
					3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,590.97	688.64
					4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,819.58	797.42
					6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,561.26	978.22
					8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,210.88	1,212.99
					10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,837.43	1,465.65
					12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	6,347.71	1,777.05
23 11 33 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	1,592.68	571.39
					3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,014.89	687.84
					4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,359.71	797.42
					6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,941.00	978.22
					8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,811.41	1,212.99
					10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,594.89	1,465.65
					12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,173.39	1,777.05
23 11 33 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	942.97	380.93
					3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,198.24	457.23
					4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,333.62	531.34
					6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,678.10	649.75
					8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,199.20	812.34
					10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,771.43	977.32
					12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,706.79	1,210.25
23 11 33 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 33 00-0108)</small>							
					2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	810.20	380.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	944.68	457.23
23 11 33 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,080.30	531.34
23 11 33 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,435.30	649.75
23 11 33 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,530.20	812.34
23 11 33 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,913.91	977.32
23 11 33 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,790.10	1,210.25
23 11 33 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 33 00-0108)		
23 11 33 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	134.57	45.73
23 11 33 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	268.79	91.25
23 11 33 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	393.73	70.13
23 11 33 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	459.30	91.07
23 11 33 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	415.31	64.94
23 11 33 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	512.90	97.47
23 11 33 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	742.84	117.11
23 11 33 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	442.29	136.47
23 11 33 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	609.00	194.84
23 11 33 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	682.55	138.66
23 11 33 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,024.13	207.72
23 11 33 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	784.40	143.05
23 11 33 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,044.78	214.58
23 11 33 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 33 00-0108)		
23 11 33 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	842.90	486.51
23 11 33 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,164.86	649.75
23 11 33 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,425.17	777.72
23 11 33 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,861.34	977.32
23 11 33 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,474.68	1,210.25
23 12 Facility Fuel Pumps (23 10)		
23 12 13 Facility Fuel-Oil Pumps (23 12)		
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump (23 12 13)		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)		
23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,881.58	289.00
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,952.22	349.79
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	2,121.25	415.56
23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)		
23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,965.61	289.00
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	2,060.71	349.79
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	2,155.66	415.56
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)		
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel	1,388.30	161.94
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel	1,638.44	181.38
23 12 13 00-0013 EA 1/2 HP Pump Fuel Oil/Diesel	1,787.96	203.29
23 12 13 00-0014 EA 3/4 HP Pump Fuel Oil/Diesel	1,945.46	229.21
23 12 13 00-0015 EA 1 HP Pump Fuel Oil/Diesel	2,782.64	255.12
23 12 13 00-0016 EA 1-1/2 HP Pump Fuel Oil/Diesel	3,421.54	285.51
23 12 13 00-0017 EA 2 HP Pump Fuel Oil/Diesel	3,789.33	319.89
23 12 13 00-0018 EA 3 HP Pump Fuel Oil/Diesel	4,642.45	357.76
23 12 13 00-0019 EA 5 HP Pump Fuel Oil/Diesel	5,486.57	401.11
23 12 13 00-0020 EA 7.5 HP Pump Fuel Oil/Diesel	6,142.36	449.94
23 12 13 00-0021 EA 10 HP Pump Fuel Oil/Diesel	6,886.86	504.35
23 12 23 Facility Natural-Gas Pumps (23 12)		
23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)		
23 12 23 00-0002 EA Natural Gas Booster Pump, 3/4" Outlet Size	741.25	149.48
23 12 23 00-0003 EA Natural Gas Booster Pump, 1" Outlet Size	870.42	166.92
23 12 23 00-0004 EA Natural Gas Booster Pump, 1-1/4" Outlet Size	965.07	174.40
23 12 23 00-0005 EA Natural Gas Booster Pump, 1-1/2" Outlet Size	1,081.50	181.87



MINOR	CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,207.50	186.85
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23 13 Facility Fuel-Storage Tanks (23 10)

23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	4,903.18	627.27
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	5,250.03	627.27
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,471.62	784.05
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	10,662.28	1,531.43
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,536.09	1,968.87
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,485.50	2,261.31
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	20,470.47	2,989.92
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	21,279.43	3,210.20
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	25,853.09	3,792.45
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	29,924.66	4,374.31
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,542.70	4,810.39
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	44,635.60	5,840.58
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	46,260.96	6,198.37
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	58,853.43	9,831.90
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,954.38	12,749.57
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	85,549.33	14,587.83
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	107,135.73	15,681.92
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	140,293.91	16,084.05

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each; all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,431.78	627.27
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,051.98	784.05
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,966.15	970.10
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,549.95	1,181.62
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,126.44	1,385.85
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,311.89	1,823.48
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,860.38	2,771.69
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,091.82	3,501.08
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,750.43	3,938.72
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,251.87	4,668.11
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,487.81	5,543.38
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,157.72	6,929.22
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	24,421.62	9,263.27
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	35,229.52	11,524.39
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,897.61	13,858.44
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	61,603.52	20,058.27
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	85,960.08	25,528.70

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1000 gallon, 4 each; all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	4,395.27	627.27
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,769.09	784.05
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	6,921.16	948.21
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,086.44	1,385.94
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	10,354.39	1,823.48
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,304.38	2,771.69
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,931.82	3,501.08
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,910.43	3,938.72
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,411.87	4,668.11
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	22,197.81	5,543.38
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	30,185.22	6,929.22
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	37,731.62	9,263.27
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	57,967.61	13,858.44

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar	649.25
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	649.25
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	129.85
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	259.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 13 23-0039 EA Turbine Electrical Coupling Kit.....324.63

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 13-0001 Fuel Day Tank (23 13 23 13)

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank; Tramont TRX	913.75	129.92
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank; Tramont TRX	980.05	136.41
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank; Tramont TRX	1,063.12	146.15
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank; Tramont TRX	1,216.77	155.90
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank; Tramont TRX	1,352.43	162.39
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank; Tramont TRX	1,595.68	194.88
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank; Tramont TRX	2,133.96	227.35
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank; Tramont TRX	2,689.89	259.82
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank; Tramont TRX	3,434.94	292.31
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank; Tramont TRX	3,828.23	324.78
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank; Tramont TRX	4,387.86	389.74
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank; Tramont TRX	4,922.28	454.70
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank; Tramont TRX	5,471.84	519.66
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank; Tramont TRX	6,063.07	552.13
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank; Tramont TRX	6,658.09	584.62
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank; Tramont TRX	7,332.54	617.09
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank; Tramont TRX	7,923.78	649.56
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank; Tramont TRX	8,846.35	779.48
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank; Tramont TRX	9,543.41	844.44
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank; Tramont TRX	10,492.46	974.36
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont TRX	11,445.29	1,104.26
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,097.83	129.92
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,165.39	136.41
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,248.46	146.15
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,400.85	155.90
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,536.50	162.39
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank; Tramont UTRX	1,781.02	194.88
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank; Tramont UTRX	2,336.95	227.35
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank; Tramont UTRX	2,892.88	259.82
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank; Tramont UTRX	3,637.93	292.31
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank; Tramont UTRX	4,031.22	324.78
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank; Tramont UTRX	4,590.85	389.74
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank; Tramont UTRX	5,125.27	454.70
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank; Tramont UTRX	5,674.83	519.66
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank; Tramont UTRX	6,266.06	552.13
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank; Tramont UTRX	6,861.08	584.62
Note: Includes rust-inhibitor coated interior and gray painted exterior.				
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank; Tramont UTRX	7,536.79	617.09
Note: Includes rust-inhibitor coated interior and gray painted exterior.				



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Facility Fuel Systems	23 10
Facility Fuel-Storage Tanks	23 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,128.03	649.56
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,049.34	779.48
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,746.40	844.44
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,695.45	974.36
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,648.28	1,104.26
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,795.05	129.92
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,855.06	136.41
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,910.38	146.15
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,113.21	155.90
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,190.86	162.39
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,426.55	194.88
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,918.18	227.35
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,673.32	259.82
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,130.91	292.31
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,379.03	324.78
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,087.43	389.74
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,523.50	454.70
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,108.37	519.66
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,673.13	552.13
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,414.40	584.62
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,729.52	617.09
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,013.11	649.56
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,322.76	779.48
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,570.79	844.44
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,956.08	974.36
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,362.80	1,104.26
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,627.19	129.92
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,687.19	136.41
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,742.52	146.15
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,945.35	155.90
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,023.00	162.39
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,258.68	194.88
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,750.32	227.35
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,505.46	259.82
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,018.52	292.31
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,921.18	324.78
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,629.58	389.74
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,066.91	454.70
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,650.52	519.66
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,216.54	552.13
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,956.55	584.62
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,271.67	617.09

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,555.26	649.56
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,864.91	779.48
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,114.20	844.44
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,498.23	974.36
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,904.95	1,104.26
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,092.43	129.92
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,158.73	136.41
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,215.32	146.15
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,424.45	155.90
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,537.41	162.39
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,752.92	194.88
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,263.47	227.35
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,053.91	259.82
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,527.89	292.31
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,823.92	324.78
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,567.62	389.74
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,964.61	454.70
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,625.12	519.66
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,305.88	552.13
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,990.41	584.62
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,342.09	617.09
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,606.78	649.56
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,973.16	779.48
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,280.45	844.44
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,725.00	974.36
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,188.46	1,104.26
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,924.56	129.92
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,990.87	136.41
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,047.45	146.15
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,256.59	155.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,369.54	162.39
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,582.54	194.88
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,095.60	227.35
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,886.04	259.82
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,360.02	292.31
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,366.06	324.78
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,109.77	389.74
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,632.84	454.70
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,167.27	519.66
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,848.03	552.13
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,532.56	584.62
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,884.24	617.09
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,150.19	649.56
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,515.31	779.48
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,822.60	844.44
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,267.14	974.36
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,730.61	1,104.26
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	905.53	129.92
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	979.60	136.41
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,062.41	146.15
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,210.12	155.90
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,592.08	162.39
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,646.21	194.88
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,063.15	227.35
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,545.00	259.82
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,324.75	292.31
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,161.09	324.78
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	4,994.97	389.74
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,381.16	454.70
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,769.04	519.66
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,327.44	552.13
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	6,887.51	584.62
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,376.03	617.09
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	7,869.51	649.56
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	8,921.49	779.48
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	9,895.17	844.44
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	11,003.74	974.36
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	12,075.70	1,104.26
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	954.64	136.41
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,037.63	146.15
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,124.13	155.90
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,273.74	162.39
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,719.62	194.88
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,773.75	227.35
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,210.85	259.82
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,716.46	292.31
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,536.52	324.78
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,416.31	357.27
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,290.51	422.21
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,692.16	487.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	6,095.55	552.13
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,681.97	584.62
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	7,270.15	617.09
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,782.80	649.56
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	8,354.82	714.52
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	9,453.22	844.44
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	10,583.24	974.36
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	11,741.36	1,104.26
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	12,860.84	1,234.18
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,037.00	129.92
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,127.72	136.41
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,220.52	146.15
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,401.51	155.90
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,855.03	162.39
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	1,909.16	194.88
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,386.02	227.35
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	2,946.09	259.82
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	3,861.85	292.31
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	4,886.71	324.78
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	5,868.71	389.74
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	6,306.49	454.70
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	6,747.63	519.66
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	7,410.88	552.13
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	8,075.80	584.62
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	8,642.52	617.09
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	9,222.56	649.56
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	10,449.29	779.48
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	11,599.38	844.44
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	12,882.70	974.36
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	14,129.40	1,104.26
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,093.42	136.41
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,193.98	146.15
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,291.02	155.90
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,475.77	162.39
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,997.19	194.88
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,051.32	227.35
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,551.65	259.82
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,139.83	292.31
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,103.47	324.78
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	5,182.25	357.27
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	6,212.79	422.21
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	6,668.90	487.17
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	7,128.51	552.13
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	7,825.60	584.62
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	8,524.45	617.09
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	9,119.65	649.56
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	9,783.04	714.52
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	11,065.89	844.44
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	12,382.13	974.36
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	13,724.71	1,104.26
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	15,028.64	1,234.18

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)
 Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 275 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	1,986.18	706.08
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,393.33	854.72
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,179.19	1,122.83
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,065.42	1,403.53
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,018.69	1,792.27
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,755.30	1,844.97
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,441.03	2,281.05
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	12,473.46	2,613.66
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,616.76	2,851.24
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,803.14	3,136.38
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	18,613.37	3,484.84
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	23,370.70	4,480.51
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	31,079.02	5,227.31

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)
 Note: Includes supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 275 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,924.28	881.04
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,520.98	1,066.16
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,688.19	1,403.53
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,013.32	1,754.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,342.44	2,240.30
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,219.31	2,306.15
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	14,444.01	2,840.93
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	19,339.42	3,267.09
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	22,787.79	3,564.10
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	26,280.14	3,920.43
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	29,105.08	4,356.13
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	36,481.74	5,600.65
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	48,947.57	6,534.09
 23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	2,997.68	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	3,625.16	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	7,829.69	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	8,596.86	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	12,174.23	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	13,637.91	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	17,982.11	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	21,118.90	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	23,976.19	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	29,203.72	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	37,358.05	
 23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank.....	16,914.54	1,356.57
For Low Profile Tanks, Add	6,008.66	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank.....	21,219.62	1,531.43
For Low Profile Tanks, Add	7,633.09	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank.....	37,227.65	1,823.48
For Low Profile Tanks, Add	13,873.30	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank.....	59,516.78	4,010.78
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank.....	67,879.78	4,380.43
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank.....	76,321.87	4,730.54
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank.....	84,742.49	5,133.27
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank.....	93,156.59	5,464.12
 23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)		
23 13 33 00-0001 EPA Requirements (23 13 33)		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	331.81	
23 13 33 00-0003 EA Over-Fill Prevention Valve.....	515.14	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass.....	1,660.01	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	1,422.93	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent).....	94.62	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level.....	207.91	
23 13 33 00-0008 EA Manhole Spill Containment.....	799.83	251.87
23 13 33 00-0009 EA Fill Adapter, 4".....	236.67	167.95
23 13 33 00-0010 EA Fill Cap, 4".....	153.23	62.96
23 13 33 00-0011 EA Vent Cap, 2".....	97.81	42.01
23 13 33 00-0012 EA 4" X 2" Extractor Fitting.....	221.37	62.96
23 13 33 00-0013 EA Float Vent Valve.....	302.74	125.93
23 13 33 00-0014 EA Vapor Hose Adapter.....	244.81	83.92
23 13 33 00-0015 EA Dust Cap.....	118.89	45.84
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	257.59	71.93
23 13 33 00-0017 EA 10' Wood Gage Stick.....	19.44	
23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT.....	71.70	
23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet.....	88.53	
23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent.....	59.66	
23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent.....	76.15	
23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent.....	111.45	
23 13 33 00-0023 EA Pressure And Vacuum Control Vent.....	319.19	
23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set.....	1,086.64	
23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set.....	1,277.63	
23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set.....	1,396.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set	1,534.53	
23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set	2,140.75	
23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set	2,622.72	
23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set	2,906.66	
23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set	3,545.79	
23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set	4,180.57	
23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set	4,680.16	
23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set	5,393.96	
23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	32.55	
23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	36.25	
23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	39.81	
23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	46.58	
23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	48.74	
23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	60.54	
23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	88.32	
23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	143.16	
23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	36.18	
23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	39.87	
23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	43.58	
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	52.44	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	56.13	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	67.23	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	97.25	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	155.84	
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	37.01	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	42.25	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	47.35	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	59.76	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	74.75	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	109.38	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	163.38	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread	41.62	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread	48.39	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread	58.08	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	69.17	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	71.33	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread	96.92	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread	162.92	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread	279.10	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread	38.90	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread	48.00	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	50.16	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	52.32	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread	68.34	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread	83.90	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	126.96	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	145.06	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	176.80	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	202.93	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	233.35	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread	292.09	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	377.88	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread	417.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 33 00-0088	Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>					
23 13 33 00-0089	EA			3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	133.05	
23 13 33 00-0090	EA			1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	134.29	
23 13 33 00-0091	EA			1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	192.45	
23 13 33 00-0092	EA			2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	197.24	
23 13 33 00-0093	EA			3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	261.72	

23 20 HVAC Piping And Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		15.20	3.98
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	4.12	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		16.04	4.28
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	4.31	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		17.22	4.69
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	4.54	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		18.93	4.88
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.26	
			<i>For Work In Restricted Working Space, Add</i>	4.90	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		19.31	5.78
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	4.97	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		22.06	6.98
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.03	
			<i>For Work In Restricted Working Space, Add</i>	5.59	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		28.73	8.26
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.75	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		35.42	11.06
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.36	
			<i>For Work In Restricted Working Space, Add</i>	8.50	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		39.29	12.15
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	9.67	
			<i>For Work In Restricted Working Space, Add</i>	8.78	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		51.38	15.53
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	13.25	
			<i>For Work In Restricted Working Space, Add</i>	10.46	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly		62.68	18.36
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	16.71	
			<i>For Work In Restricted Working Space, Add</i>	11.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0014			Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small>		
			Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015			Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small>		
			Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016	LF		3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	5.69	2.49
			For Schedule 80 Pipe, Add	0.80	
			For Work In Restricted Working Space, Add	1.51	
23 21 13 23-0017	LF		1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	6.65	3.98
			For Schedule 80 Pipe, Add	0.88	
			For Work In Restricted Working Space, Add	1.81	
23 21 13 23-0018	LF		3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	7.24	4.28
			For Schedule 80 Pipe, Add	1.01	
			For Work In Restricted Working Space, Add	1.93	
23 21 13 23-0019	LF		1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.16	4.69
			For Schedule 80 Pipe, Add	1.23	
			For Work In Restricted Working Space, Add	2.09	
23 21 13 23-0020	LF		1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.98	4.88
			For Schedule 80 Pipe, Add	1.46	
			For Work In Restricted Working Space, Add	2.21	
23 21 13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.60	5.78
			For Schedule 80 Pipe, Add	1.74	
			For Work In Restricted Working Space, Add	2.60	
23 21 13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	13.08	6.98
			For Schedule 80 Pipe, Add	2.21	
			For Work In Restricted Working Space, Add	3.15	
23 21 13 23-0023	LF		2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	16.66	8.26
			For Schedule 80 Pipe, Add	3.14	
			For Work In Restricted Working Space, Add	3.74	
23 21 13 23-0024	LF		3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	22.13	11.06
			For Schedule 80 Pipe, Add	4.15	
			For Work In Restricted Working Space, Add	4.98	
23 21 13 23-0025	LF		4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	26.14	12.15
			For Schedule 80 Pipe, Add	5.37	
			For Work In Restricted Working Space, Add	5.48	
23 21 13 23-0026	LF		5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	33.90	15.53
			For Schedule 80 Pipe, Add	7.12	
			For Work In Restricted Working Space, Add	6.98	
23 21 13 23-0027	LF		6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	41.56	18.36
			For Schedule 80 Pipe, Add	9.07	
			For Work In Restricted Working Space, Add	8.25	
23 21 13 23-0028	LF		8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	54.06	22.20
			For Schedule 80 Pipe, Add	12.70	
			For Work In Restricted Working Space, Add	9.97	
23 21 13 23-0029	LF		10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	70.09	27.04
			For Schedule 80 Pipe, Add	17.33	
			For Work In Restricted Working Space, Add	12.18	
23 21 13 23-0030	LF		12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	92.94	35.54
			For Schedule 80 Pipe, Add	23.17	
			For Work In Restricted Working Space, Add	15.99	
23 21 13 23-0031			Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0032	EA		3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	23.65	11.06
			For 225 LB Rating, Add	1.32	
			For 300 LB Rating, Add	4.95	
			For Standard Weight Cast Iron Fittings, Add	0.02	
			For Work In Restricted Working Space, Add	6.64	
23 21 13 23-0033	EA		1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	28.02	17.74
			For 225 LB Rating, Add	1.28	
			For 300 LB Rating, Add	5.10	
			For Standard Weight Cast Iron Fittings, Add	0.02	
			For Work In Restricted Working Space, Add	7.97	
23 21 13 23-0034	EA		3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	31.40	19.83
			For 225 LB Rating, Add	1.46	
			For 300 LB Rating, Add	5.79	
			For Standard Weight Cast Iron Fittings, Add	0.03	
			For Work In Restricted Working Space, Add	8.92	
23 21 13 23-0035	EA		1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	36.27	22.11
			For 225 LB Rating, Add	2.69	
			For 300 LB Rating, Add	9.36	
			For Standard Weight Cast Iron Fittings, Add	0.05	
			For Work In Restricted Working Space, Add	9.96	
23 21 13 23-0036	EA		1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	43.32	25.11
			For 225 LB Rating, Add	5.01	
			For 300 LB Rating, Add	16.01	
			For Standard Weight Cast Iron Fittings, Add	0.09	
			For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0037	EA		1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	49.06	28.29
			For 225 LB Rating, Add	5.84	
			For 300 LB Rating, Add	18.55	
			For Standard Weight Cast Iron Fittings, Add	0.11	
			For Work In Restricted Working Space, Add	12.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0038 EA 2", 150 LB, Black Malleable Iron 90 Degree Elbow	63.64	35.97
<i>For 225 LB Rating, Add</i>	8.58	
<i>For 300 LB Rating, Add</i>	26.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	16.15	
23 21 13 23-0039 EA 2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	104.55	53.20
<i>For 225 LB Rating, Add</i>	21.75	
<i>For 300 LB Rating, Add</i>	64.45	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
<i>For Work In Restricted Working Space, Add</i>	23.91	
23 21 13 23-0040 EA 3", 150 LB, Black Malleable Iron 90 Degree Elbow	141.96	69.93
<i>For 225 LB Rating, Add</i>	32.46	
<i>For 300 LB Rating, Add</i>	95.33	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.59	
<i>For Work In Restricted Working Space, Add</i>	31.46	
23 21 13 23-0041 EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow	185.35	71.06
<i>For 225 LB Rating, Add</i>	68.93	
<i>For 300 LB Rating, Add</i>	195.47	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	31.97	
23 21 13 23-0042 EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow	317.60	74.17
<i>For 225 LB Rating, Add</i>	180.59	
<i>For 300 LB Rating, Add</i>	502.01	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.30	
<i>For Work In Restricted Working Space, Add</i>	33.36	
23 21 13 23-0043 EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow	341.05	77.55
<i>For 225 LB Rating, Add</i>	196.69	
<i>For 300 LB Rating, Add</i>	546.47	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.60	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0045 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.96	14.15
<i>For 225 LB Rating, Add</i>	2.42	
<i>For 300 LB Rating, Add</i>	7.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 21 13 23-0046 EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	30.53	17.93
<i>For 225 LB Rating, Add</i>	3.15	
<i>For 300 LB Rating, Add</i>	10.26	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0047 EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	30.53	17.93
<i>For 225 LB Rating, Add</i>	3.15	
<i>For 300 LB Rating, Add</i>	10.26	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	8.08	
23 21 13 23-0048 EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.43	25.11
<i>For 225 LB Rating, Add</i>	5.11	
<i>For 300 LB Rating, Add</i>	16.27	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0049 EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.79	25.11
<i>For 225 LB Rating, Add</i>	5.43	
<i>For 300 LB Rating, Add</i>	17.14	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0050 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	44.78	25.11
<i>For 225 LB Rating, Add</i>	6.29	
<i>For 300 LB Rating, Add</i>	19.51	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21 13 23-0051 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	50.26	28.29
<i>For 225 LB Rating, Add</i>	6.89	
<i>For 300 LB Rating, Add</i>	21.43	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	12.72	
23 21 13 23-0052 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	50.26	28.29
<i>For 225 LB Rating, Add</i>	6.89	
<i>For 300 LB Rating, Add</i>	21.43	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	12.72	
23 21 13 23-0053 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	51.40	28.29
<i>For 225 LB Rating, Add</i>	7.88	
<i>For 300 LB Rating, Add</i>	24.17	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	12.72	
23 21 13 23-0054 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	65.25	35.97
<i>For 225 LB Rating, Add</i>	9.98	
<i>For 300 LB Rating, Add</i>	30.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	16.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0055 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.82	35.97
For 225 LB Rating, Add	11.36	
For 300 LB Rating, Add	34.38	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0056 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	66.82	35.97
For 225 LB Rating, Add	11.36	
For 300 LB Rating, Add	34.38	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0057 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	66.82	35.97
For 225 LB Rating, Add	11.36	
For 300 LB Rating, Add	34.38	
For Standard Weight Cast Iron Fittings, Add	0.21	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0058 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	111.01	53.20
For 225 LB Rating, Add	27.41	
For 300 LB Rating, Add	79.95	
For Standard Weight Cast Iron Fittings, Add	0.50	
For Work In Restricted Working Space, Add	23.91	
23 21 13 23-0059 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	111.01	53.20
For 225 LB Rating, Add	27.41	
For 300 LB Rating, Add	79.95	
For Standard Weight Cast Iron Fittings, Add	0.50	
For Work In Restricted Working Space, Add	23.91	
23 21 13 23-0060 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	155.41	69.93
For 225 LB Rating, Add	44.23	
For 300 LB Rating, Add	127.61	
For Standard Weight Cast Iron Fittings, Add	0.81	
For Work In Restricted Working Space, Add	31.46	
23 21 13 23-0061 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	155.41	69.93
For 225 LB Rating, Add	44.23	
For 300 LB Rating, Add	127.61	
For Standard Weight Cast Iron Fittings, Add	0.81	
For Work In Restricted Working Space, Add	31.46	
23 21 13 23-0062 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	193.07	71.06
For 225 LB Rating, Add	75.69	
For 300 LB Rating, Add	213.99	
For Standard Weight Cast Iron Fittings, Add	1.38	
For Work In Restricted Working Space, Add	31.97	
23 21 13 23-0063 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0064 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	24.43	11.06
For 225 LB Rating, Add	2.00	
For 300 LB Rating, Add	6.82	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	6.64	
23 21 13 23-0065 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	28.80	17.74
For 225 LB Rating, Add	1.96	
For 300 LB Rating, Add	6.97	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	7.97	
23 21 13 23-0066 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	32.54	19.83
For 225 LB Rating, Add	2.46	
For 300 LB Rating, Add	8.53	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	8.92	
23 21 13 23-0067 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow.....	36.79	22.11
For 225 LB Rating, Add	3.14	
For 300 LB Rating, Add	10.61	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	9.96	
23 21 13 23-0068 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	44.10	25.11
For 225 LB Rating, Add	5.70	
For 300 LB Rating, Add	17.88	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0069 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	50.47	28.29
For 225 LB Rating, Add	7.07	
For 300 LB Rating, Add	21.94	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	12.72	
23 21 13 23-0070 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	64.26	35.97
For 225 LB Rating, Add	9.12	
For 300 LB Rating, Add	28.24	
For Standard Weight Cast Iron Fittings, Add	0.17	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0071 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	112.10	53.20
For 225 LB Rating, Add	28.36	
For 300 LB Rating, Add	82.57	
For Standard Weight Cast Iron Fittings, Add	0.52	
For Work In Restricted Working Space, Add	23.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0072 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow	149.41	69.93
<i>For 225 LB Rating, Add</i>	38.98	
<i>For 300 LB Rating, Add</i>	113.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	31.46	
23 21 13 23-0073 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow	188.38	71.06
<i>For 225 LB Rating, Add</i>	71.58	
<i>For 300 LB Rating, Add</i>	202.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	31.97	
23 21 13 23-0074 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow	372.99	74.17
<i>For 225 LB Rating, Add</i>	229.06	
<i>For 300 LB Rating, Add</i>	634.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.19	
<i>For Work In Restricted Working Space, Add</i>	33.36	
23 21 13 23-0075 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow	394.51	77.55
<i>For 225 LB Rating, Add</i>	243.47	
<i>For 300 LB Rating, Add</i>	674.78	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.45	
<i>For Work In Restricted Working Space, Add</i>	34.88	
23 21 13 23-0076 Black Malleable Iron Tees <small>(23 21 13 23-0014)</small>		
23 21 13 23-0077 EA 3/8", 150 LB, Black Malleable Iron Tee.....	29.68	13.85
<i>For 225 LB Rating, Add</i>	1.76	
<i>For 300 LB Rating, Add</i>	6.48	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	8.30	
23 21 13 23-0078 EA 1/2", 150 LB, Black Malleable Iron Tee.....	35.08	22.11
<i>For 225 LB Rating, Add</i>	1.65	
<i>For 300 LB Rating, Add</i>	6.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	9.96	
23 21 13 23-0079 EA 3/4", 150 LB, Black Malleable Iron Tee.....	41.03	25.60
<i>For 225 LB Rating, Add</i>	2.37	
<i>For 300 LB Rating, Add</i>	8.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	11.50	
23 21 13 23-0080 EA 1", 150 LB, Black Malleable Iron Tee.....	50.07	30.18
<i>For 225 LB Rating, Add</i>	4.19	
<i>For 300 LB Rating, Add</i>	14.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	13.58	
23 21 13 23-0081 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	61.66	35.97
<i>For 225 LB Rating, Add</i>	6.84	
<i>For 300 LB Rating, Add</i>	22.00	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	16.15	
23 21 13 23-0082 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	73.96	42.83
<i>For 225 LB Rating, Add</i>	8.48	
<i>For 300 LB Rating, Add</i>	27.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	19.28	
23 21 13 23-0083 EA 2", 150 LB, Black Malleable Iron Tee.....	93.76	53.20
<i>For 225 LB Rating, Add</i>	12.31	
<i>For 300 LB Rating, Add</i>	38.55	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.23	
<i>For Work In Restricted Working Space, Add</i>	23.91	
23 21 13 23-0084 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	138.73	69.93
<i>For 225 LB Rating, Add</i>	29.64	
<i>For 300 LB Rating, Add</i>	87.58	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.54	
<i>For Work In Restricted Working Space, Add</i>	31.46	
23 21 13 23-0085 EA 3", 150 LB, Black Malleable Iron Tee.....	175.38	83.08
<i>For 225 LB Rating, Add</i>	44.50	
<i>For 300 LB Rating, Add</i>	129.54	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	37.36	
23 21 13 23-0086 EA 4", 150 LB, Black Malleable Iron Tee.....	254.10	89.79
<i>For 225 LB Rating, Add</i>	104.55	
<i>For 300 LB Rating, Add</i>	294.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	40.39	
23 21 13 23-0087 EA 5", 150 LB, Black Malleable Iron Tee.....	429.41	106.60
<i>For 225 LB Rating, Add</i>	235.86	
<i>For 300 LB Rating, Add</i>	656.51	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.31	
<i>For Work In Restricted Working Space, Add</i>	47.96	
23 21 13 23-0088 EA 6", 150 LB, Black Malleable Iron Tee.....	505.38	121.86
<i>For 225 LB Rating, Add</i>	282.35	
<i>For 300 LB Rating, Add</i>	785.42	
<i>For Standard Weight Cast Iron Fittings, Add</i>	5.16	
<i>For Work In Restricted Working Space, Add</i>	54.81	

23 21 13 23-0089 Black Malleable Iron Reducing Tees (23 21 13 23-0014)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0090	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee.....	35.39	22.11
			<i>For 225 LB Rating, Add</i>	1.92	
			<i>For 300 LB Rating, Add</i>	7.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	9.96	
23 21	13 23-0091	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee.....	41.39	25.60
			<i>For 225 LB Rating, Add</i>	2.69	
			<i>For 300 LB Rating, Add</i>	9.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	11.50	
23 21	13 23-0092	EA	1", 150 LB, Black Malleable Iron Reducing Tee.....	50.59	30.18
			<i>For 225 LB Rating, Add</i>	4.65	
			<i>For 300 LB Rating, Add</i>	15.46	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	13.58	
23 21	13 23-0093	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	62.70	35.97
			<i>For 225 LB Rating, Add</i>	7.75	
			<i>For 300 LB Rating, Add</i>	24.49	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
23 21	13 23-0094	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	75.21	42.83
			<i>For 225 LB Rating, Add</i>	9.57	
			<i>For 300 LB Rating, Add</i>	30.11	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
23 21	13 23-0095	EA	2", 150 LB, Black Malleable Iron Reducing Tee.....	95.63	53.20
			<i>For 225 LB Rating, Add</i>	13.95	
			<i>For 300 LB Rating, Add</i>	43.04	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
			<i>For Work In Restricted Working Space, Add</i>	23.91	
23 21	13 23-0096	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	143.21	69.93
			<i>For 225 LB Rating, Add</i>	33.56	
			<i>For 300 LB Rating, Add</i>	98.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	31.46	
23 21	13 23-0097	EA	3", 150 LB, Black Malleable Iron Reducing Tee.....	181.94	83.08
			<i>For 225 LB Rating, Add</i>	50.24	
			<i>For 300 LB Rating, Add</i>	145.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	37.36	
23 21	13 23-0098	EA	4", 150 LB, Black Malleable Iron Reducing Tee.....	247.12	89.79
			<i>For 225 LB Rating, Add</i>	98.44	
			<i>For 300 LB Rating, Add</i>	278.08	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.80	
			<i>For Work In Restricted Working Space, Add</i>	40.39	
23 21	13 23-0099	EA	5", 150 LB, Black Malleable Iron Reducing Tee.....	418.22	106.60
			<i>For 225 LB Rating, Add</i>	226.07	
			<i>For 300 LB Rating, Add</i>	629.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	47.96	
23 21	13 23-0100	EA	6", 150 LB, Black Malleable Iron Reducing Tee.....	492.20	121.86
			<i>For 225 LB Rating, Add</i>	270.82	
			<i>For 300 LB Rating, Add</i>	753.79	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	54.81	
23 21	13 23-0101	EA	8", 150 LB, Black Malleable Iron Reducing Tee.....	1,368.52	213.29
			<i>For 225 LB Rating, Add</i>	917.71	
			<i>For 300 LB Rating, Add</i>	2,536.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	16.78	
			<i>For Work In Restricted Working Space, Add</i>	95.91	
23 21	13 23-0102	Black Malleable Iron Couplings (23 21 13 23-0014)			
23 21	13 23-0103	EA	3/8", 150 LB, Black Malleable Iron Coupling.....	24.04	11.06
			<i>For 225 LB Rating, Add</i>	1.66	
			<i>For 300 LB Rating, Add</i>	5.89	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	6.64	
23 21	13 23-0104	EA	1/2", 150 LB, Black Malleable Iron Coupling.....	28.54	17.74
			<i>For 225 LB Rating, Add</i>	1.73	
			<i>For 300 LB Rating, Add</i>	6.35	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0105	EA	3/4", 150 LB, Black Malleable Iron Coupling.....	32.07	19.83
			<i>For 225 LB Rating, Add</i>	2.05	
			<i>For 300 LB Rating, Add</i>	7.40	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	8.92	
23 21	13 23-0106	EA	1", 150 LB, Black Malleable Iron Coupling.....	36.79	22.11
			<i>For 225 LB Rating, Add</i>	3.14	
			<i>For 300 LB Rating, Add</i>	10.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	9.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0107 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	42.12	25.11
For 225 LB Rating, Add	3.96	
For 300 LB Rating, Add	13.13	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0108 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	48.49	28.29
For 225 LB Rating, Add	5.34	
For 300 LB Rating, Add	17.18	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	12.72	
23 21 13 23-0109 EA 2", 150 LB, Black Malleable Iron Coupling.....	62.75	35.97
For 225 LB Rating, Add	7.80	
For 300 LB Rating, Add	24.61	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0110 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	102.10	53.20
For 225 LB Rating, Add	19.61	
For 300 LB Rating, Add	58.57	
For Standard Weight Cast Iron Fittings, Add	0.36	
For Work In Restricted Working Space, Add	23.91	
23 21 13 23-0111 EA 3", 150 LB, Black Malleable Iron Coupling.....	135.76	69.93
For 225 LB Rating, Add	27.04	
For 300 LB Rating, Add	80.45	
For Standard Weight Cast Iron Fittings, Add	0.49	
For Work In Restricted Working Space, Add	31.46	
23 21 13 23-0112 EA 4", 150 LB, Black Malleable Iron Coupling.....	168.21	71.06
For 225 LB Rating, Add	53.94	
For 300 LB Rating, Add	154.33	
For Standard Weight Cast Iron Fittings, Add	0.99	
For Work In Restricted Working Space, Add	31.97	
23 21 13 23-0113 EA 5", 150 LB, Black Malleable Iron Coupling.....	237.10	74.17
For 225 LB Rating, Add	110.15	
For 300 LB Rating, Add	308.81	
For Standard Weight Cast Iron Fittings, Add	2.01	
For Work In Restricted Working Space, Add	33.36	
23 21 13 23-0114 EA 6", 150 LB, Black Malleable Iron Coupling.....	266.95	77.55
For 225 LB Rating, Add	131.85	
For 300 LB Rating, Add	368.63	
For Standard Weight Cast Iron Fittings, Add	2.41	
For Work In Restricted Working Space, Add	34.88	
23 21 13 23-0115 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)		
23 21 13 23-0116 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	28.59	17.74
For 225 LB Rating, Add	1.78	
For 300 LB Rating, Add	6.47	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	7.97	
23 21 13 23-0117 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	32.07	19.83
For 225 LB Rating, Add	2.05	
For 300 LB Rating, Add	7.40	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	8.92	
23 21 13 23-0118 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	36.85	22.11
For 225 LB Rating, Add	3.19	
For 300 LB Rating, Add	10.75	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	9.96	
23 21 13 23-0119 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	42.12	25.11
For 225 LB Rating, Add	3.96	
For 300 LB Rating, Add	13.13	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0120 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	48.69	28.29
For 225 LB Rating, Add	5.51	
For 300 LB Rating, Add	17.66	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	12.72	
23 21 13 23-0121 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	62.18	35.97
For 225 LB Rating, Add	7.30	
For 300 LB Rating, Add	23.25	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0122 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	99.91	53.20
For 225 LB Rating, Add	17.69	
For 300 LB Rating, Add	53.31	
For Standard Weight Cast Iron Fittings, Add	0.32	
For Work In Restricted Working Space, Add	23.91	
23 21 13 23-0123 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	136.07	69.93
For 225 LB Rating, Add	27.31	
For 300 LB Rating, Add	81.20	
For Standard Weight Cast Iron Fittings, Add	0.50	
For Work In Restricted Working Space, Add	31.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0124	EA	4", 150 LB, Black Malleable Iron Reducing Coupling.....	169.72	71.06
			<i>For 225 LB Rating, Add</i>	55.26	
			<i>For 300 LB Rating, Add</i>	157.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.01	
			<i>For Work In Restricted Working Space, Add</i>	31.97	
23 21	13 23-0125	EA	5", 150 LB, Black Malleable Iron Reducing Coupling.....	229.54	74.17
			<i>For 225 LB Rating, Add</i>	103.54	
			<i>For 300 LB Rating, Add</i>	290.66	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	33.36	
23 21	13 23-0126	EA	6", 150 LB, Black Malleable Iron Reducing Coupling.....	274.14	77.55
			<i>For 225 LB Rating, Add</i>	138.15	
			<i>For 300 LB Rating, Add</i>	385.89	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	34.88	
23 21 13 23-0127 Black Malleable Iron Caps (23 21 13 23-0014)					
23 21	13 23-0128	EA	1/2", 150 LB, Black Malleable Iron Cap.....	13.96	8.26
			<i>For 225 LB Rating, Add</i>	1.32	
			<i>For 300 LB Rating, Add</i>	4.37	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0129	EA	3/4", 150 LB, Black Malleable Iron Cap.....	15.26	8.87
			<i>For 225 LB Rating, Add</i>	1.73	
			<i>For 300 LB Rating, Add</i>	5.55	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
23 21	13 23-0130	EA	1", 150 LB, Black Malleable Iron Cap.....	17.72	10.26
			<i>For 225 LB Rating, Add</i>	2.10	
			<i>For 300 LB Rating, Add</i>	6.68	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0131	EA	1-1/4", 150 LB, Black Malleable Iron Cap.....	19.73	11.06
			<i>For 225 LB Rating, Add</i>	2.74	
			<i>For 300 LB Rating, Add</i>	8.51	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0132	EA	1-1/2", 150 LB, Black Malleable Iron Cap.....	20.87	11.06
			<i>For 225 LB Rating, Add</i>	3.74	
			<i>For 300 LB Rating, Add</i>	11.24	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0133	EA	2", 150 LB, Black Malleable Iron Cap.....	27.01	14.25
			<i>For 225 LB Rating, Add</i>	4.88	
			<i>For 300 LB Rating, Add</i>	14.68	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0134	EA	2-1/2", 150 LB, Black Malleable Iron Cap.....	39.69	17.74
			<i>For 225 LB Rating, Add</i>	11.49	
			<i>For 300 LB Rating, Add</i>	33.11	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0135	EA	3", 150 LB, Black Malleable Iron Cap.....	52.82	21.42
			<i>For 225 LB Rating, Add</i>	18.10	
			<i>For 300 LB Rating, Add</i>	51.58	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.33	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21	13 23-0136	EA	4", 150 LB, Black Malleable Iron Cap.....	68.79	24.39
			<i>For 225 LB Rating, Add</i>	28.22	
			<i>For 300 LB Rating, Add</i>	79.59	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0137 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21	13 23-0138	EA	3/8", 150 LB, Black Malleable Iron Union.....	27.72	11.06
			<i>For 225 LB Rating, Add</i>	4.88	
			<i>For 300 LB Rating, Add</i>	14.72	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	6.64	
23 21	13 23-0139	EA	1/2", 150 LB, Black Malleable Iron Union.....	39.14	22.11
			<i>For 225 LB Rating, Add</i>	5.20	
			<i>For 300 LB Rating, Add</i>	16.25	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	9.96	
23 21	13 23-0140	EA	3/4", 150 LB, Black Malleable Iron Union.....	44.42	25.60
			<i>For 225 LB Rating, Add</i>	5.34	
			<i>For 300 LB Rating, Add</i>	16.94	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	11.50	
23 21	13 23-0141	EA	1", 150 LB, Black Malleable Iron Union.....	54.19	30.18
			<i>For 225 LB Rating, Add</i>	7.80	
			<i>For 300 LB Rating, Add</i>	24.10	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	13.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0142 EA 1-1/4", 150 LB, Black Malleable Iron Union	66.14	35.97
For 225 LB Rating, Add	10.76	
For 300 LB Rating, Add	32.75	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	16.15	
23 21 13 23-0143 EA 1-1/2", 150 LB, Black Malleable Iron Union	79.28	42.83
For 225 LB Rating, Add	13.13	
For 300 LB Rating, Add	39.88	
For Standard Weight Cast Iron Fittings, Add	0.24	
For Work In Restricted Working Space, Add	19.28	
23 21 13 23-0144 EA 2", 150 LB, Black Malleable Iron Union.....	98.66	53.20
For 225 LB Rating, Add	16.60	
For 300 LB Rating, Add	50.31	
For Standard Weight Cast Iron Fittings, Add	0.30	
For Work In Restricted Working Space, Add	23.91	
23 21 13 23-0145 EA 2-1/2", 150 LB, Black Malleable Iron Union	135.18	57.77
For 225 LB Rating, Add	42.49	
For 300 LB Rating, Add	121.74	
For Standard Weight Cast Iron Fittings, Add	0.78	
For Work In Restricted Working Space, Add	25.99	
23 21 13 23-0146 EA 3", 150 LB, Black Malleable Iron Union.....	173.69	69.93
For 225 LB Rating, Add	60.23	
For 300 LB Rating, Add	171.48	
For Standard Weight Cast Iron Fittings, Add	1.10	
For Work In Restricted Working Space, Add	31.46	
23 21 13 23-0147 Black Steel Nipples (23 21 13 23-0014)		
23 21 13 23-0148 EA 3/8" x Close, Schedule 40 Black Steel Nipple.....	14.84	9.46
For Schedule 80 Nipples, Add	0.31	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0149 EA 1/2" x Close, Schedule 40 Black Steel Nipple.....	14.75	9.46
For Schedule 80 Nipples, Add	0.26	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0150 EA 3/4" x Close, Schedule 40 Black Steel Nipple.....	14.82	9.46
For Schedule 80 Nipples, Add	0.30	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0151 EA 1" x Close, Schedule 40 Black Steel Nipple.....	16.18	10.26
For Schedule 80 Nipples, Add	0.43	
For Work In Restricted Working Space, Add	4.60	
23 21 13 23-0152 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple	17.69	11.06
For Schedule 80 Nipples, Add	0.55	
For Work In Restricted Working Space, Add	4.98	
23 21 13 23-0153 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple	17.96	11.06
For Schedule 80 Nipples, Add	0.68	
For Work In Restricted Working Space, Add	4.98	
23 21 13 23-0154 EA 2" x Close, Schedule 40 Black Steel Nipple.....	23.28	14.25
For Schedule 80 Nipples, Add	0.93	
For Work In Restricted Working Space, Add	6.43	
23 21 13 23-0155 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple	32.34	17.74
For Schedule 80 Nipples, Add	2.89	
For Work In Restricted Working Space, Add	7.97	
23 21 13 23-0156 EA 3" x Close, Schedule 40 Black Steel Nipple.....	39.00	21.42
For Schedule 80 Nipples, Add	3.44	
For Work In Restricted Working Space, Add	9.64	
23 21 13 23-0157 EA 4" x Close, Schedule 40 Black Steel Nipple.....	46.89	24.39
For Schedule 80 Nipples, Add	5.18	
For Work In Restricted Working Space, Add	10.96	
23 21 13 23-0158 EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	14.92	9.46
For Schedule 80 Nipples, Add	0.35	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0159 EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	14.75	9.46
For Schedule 80 Nipples, Add	0.26	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0160 EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	14.87	9.46
For Schedule 80 Nipples, Add	0.32	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0161 EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	14.92	9.46
For Schedule 80 Nipples, Add	0.35	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0162 EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	14.75	9.46
For Schedule 80 Nipples, Add	0.26	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0163 EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	14.87	9.46
For Schedule 80 Nipples, Add	0.32	
For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0164 EA 1" x 2" Long, Schedule 40 Black Steel Nipple.....	16.26	10.26
For Schedule 80 Nipples, Add	0.47	
For Work In Restricted Working Space, Add	4.60	
23 21 13 23-0165 EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	17.84	11.06
For Schedule 80 Nipples, Add	0.62	
For Work In Restricted Working Space, Add	4.98	
23 21 13 23-0166 EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	18.07	11.06
For Schedule 80 Nipples, Add	0.74	
For Work In Restricted Working Space, Add	4.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0167	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	15.12	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0168	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	14.84	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0169	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	14.95	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0170	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	16.32	10.26
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0171	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	17.91	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0172	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	18.24	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0173	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	23.55	14.25
			<i>For Schedule 80 Nipples, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0174	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	15.12	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0175	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	14.84	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0176	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	14.95	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0177	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	16.32	10.26
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0178	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	17.91	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0179	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	18.24	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0180	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	23.55	14.25
			<i>For Schedule 80 Nipples, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0181	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	32.50	17.74
			<i>For Schedule 80 Nipples, Add</i>	2.97	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0182	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	39.60	21.42
			<i>For Schedule 80 Nipples, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21	13 23-0183	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	15.28	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0184	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	14.96	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0185	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	15.12	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0186	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	16.56	10.26
			<i>For Schedule 80 Nipples, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0187	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.15	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.78	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0188	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.43	11.06
			<i>For Schedule 80 Nipples, Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0189	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	24.00	14.25
			<i>For Schedule 80 Nipples, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0190	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	33.54	17.74
			<i>For Schedule 80 Nipples, Add</i>	3.49	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0191	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	40.98	21.42
			<i>For Schedule 80 Nipples, Add</i>	4.43	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21	13 23-0192	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	15.28	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0193	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	14.96	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0194	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	15.12	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.27	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0195 EA 1" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 0.62 4.60	10.26
23 21 13 23-0196 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.15 0.78 4.98	11.06
23 21 13 23-0197 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.43 0.92 4.98	11.06
23 21 13 23-0198 EA 2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.00 1.29 6.43	14.25
23 21 13 23-0199 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.54 3.49 7.97	17.74
23 21 13 23-0200 EA 3" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.98 4.43 9.64	21.42
23 21 13 23-0201 EA 4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.52 5.99 10.96	24.39
23 21 13 23-0202 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 0.76 4.27	9.46
23 21 13 23-0203 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.09 0.43 4.27	9.46
23 21 13 23-0204 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.35 0.56 4.27	9.46
23 21 13 23-0205 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.79 0.74 4.60	10.26
23 21 13 23-0206 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.46 0.93 4.98	11.06
23 21 13 23-0207 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.84 1.12 4.98	11.06
23 21 13 23-0208 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.39 1.48 6.43	14.25
23 21 13 23-0209 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.23 3.84 7.97	17.74
23 21 13 23-0210 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.89 4.88 9.64	21.42
23 21 13 23-0211 EA 4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.22 6.84 10.96	24.39
23 21 13 23-0212 EA 3/8" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.75 0.76 4.27	9.46
23 21 13 23-0213 EA 1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.09 0.43 4.27	9.46
23 21 13 23-0214 EA 3/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.35 0.56 4.27	9.46
23 21 13 23-0215 EA 1" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.79 0.74 4.60	10.26
23 21 13 23-0216 EA 1-1/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.46 0.93 4.98	11.06
23 21 13 23-0217 EA 1-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.84 1.12 4.98	11.06
23 21 13 23-0218 EA 2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.39 1.48 6.43	14.25
23 21 13 23-0219 EA 2-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.23 3.84 7.97	17.74
23 21 13 23-0220 EA 3" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.89 4.88 9.64	21.42
23 21 13 23-0221 EA 4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.22 6.84 10.96	24.39
23 21 13 23-0222 EA 3/8" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.92 0.85 4.27	9.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0223	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	15.19	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0224	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	15.50	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0225	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	17.05	10.26
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0226	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	18.80	11.06
			<i>For Schedule 80 Nipples, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0227	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	19.17	11.06
			<i>For Schedule 80 Nipples, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0228	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	24.90	14.25
			<i>For Schedule 80 Nipples, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0229	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	34.56	17.74
			<i>For Schedule 80 Nipples, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0230	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	42.74	21.42
			<i>For Schedule 80 Nipples, Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21	13 23-0231	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	51.17	24.39
			<i>For Schedule 80 Nipples, Add</i>	7.32	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21	13 23-0232	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	17.19	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0233	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	15.96	9.46
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0234	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	16.35	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0235	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	18.16	10.26
			<i>For Schedule 80 Nipples, Add</i>	1.42	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0236	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	20.16	11.06
			<i>For Schedule 80 Nipples, Add</i>	1.78	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0237	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	20.68	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0238	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	27.24	14.25
			<i>For Schedule 80 Nipples, Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0239	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	36.73	17.74
			<i>For Schedule 80 Nipples, Add</i>	5.09	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0240	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	46.44	21.42
			<i>For Schedule 80 Nipples, Add</i>	7.16	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21	13 23-0241	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	53.42	24.39
			<i>For Schedule 80 Nipples, Add</i>	8.44	
			<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21	13 23-0242	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	17.56	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.67	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0243	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	16.31	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0244	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	16.70	9.46
			<i>For Schedule 80 Nipples, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21	13 23-0245	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	18.63	10.26
			<i>For Schedule 80 Nipples, Add</i>	1.66	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21	13 23-0246	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	20.87	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0247	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	21.38	11.06
			<i>For Schedule 80 Nipples, Add</i>	2.39	
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21	13 23-0248	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	28.26	14.25
			<i>For Schedule 80 Nipples, Add</i>	3.42	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0249	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	37.99	17.74
			<i>For Schedule 80 Nipples, Add</i>	5.72	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21	13 23-0250	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	48.20	21.42
			<i>For Schedule 80 Nipples, Add</i>	8.04	
			<i>For Work In Restricted Working Space, Add</i>	9.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0251 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	55.77	24.39
<i>For Schedule 80 Nipples, Add</i>	9.62	
<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0252 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	18.01	9.46
<i>For Schedule 80 Nipples, Add</i>	1.89	
<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21 13 23-0253 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	16.70	9.46
<i>For Schedule 80 Nipples, Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21 13 23-0254 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	16.97	9.46
<i>For Schedule 80 Nipples, Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	4.27	
23 21 13 23-0255 EA 1" x 12" Long, Schedule 40 Black Steel Nipple.....	19.12	10.26
<i>For Schedule 80 Nipples, Add</i>	1.90	
<i>For Work In Restricted Working Space, Add</i>	4.60	
23 21 13 23-0256 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	21.44	11.06
<i>For Schedule 80 Nipples, Add</i>	2.42	
<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21 13 23-0257 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	22.10	11.06
<i>For Schedule 80 Nipples, Add</i>	2.75	
<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21 13 23-0258 EA 2" x 12" Long, Schedule 40 Black Steel Nipple.....	29.29	14.25
<i>For Schedule 80 Nipples, Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0259 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	39.28	17.74
<i>For Schedule 80 Nipples, Add</i>	6.36	
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21 13 23-0260 EA 3" x 12" Long, Schedule 40 Black Steel Nipple.....	49.97	21.42
<i>For Schedule 80 Nipples, Add</i>	8.92	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0261 EA 4" x 12" Long, Schedule 40 Black Steel Nipple.....	59.08	24.39
<i>For Schedule 80 Nipples, Add</i>	11.27	
<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0262 Black Cast Iron Square Head Plugs <small>(23 21 13 23-0014)</small>		
23 21 13 23-0263 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug.....	12.72	7.69
<i>For Work In Restricted Working Space, Add</i>	3.46	
23 21 13 23-0264 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug.....	13.62	7.07
<i>For Work In Restricted Working Space, Add</i>	3.18	
23 21 13 23-0265 EA 1", 150 LB, Black Malleable Iron Square Head Plug.....	19.33	10.66
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 21 13 23-0266 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	19.82	10.76
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0267 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	21.33	10.76
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21 13 23-0268 EA 2", 150 LB, Black Malleable Iron Square Head Plug.....	28.26	14.25
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0269 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	36.46	17.74
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 21 13 23-0270 EA 3", 150 LB, Black Malleable Iron Square Head Plug.....	48.02	21.42
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 21 13 23-0271 EA 4", 150 LB, Black Malleable Iron Square Head Plug.....	55.19	24.39
<i>For Work In Restricted Working Space, Add</i>	10.96	
23 21 13 23-0272 EA 5", 150 LB, Black Malleable Iron Square Head Plug.....	78.29	30.51
<i>For Work In Restricted Working Space, Add</i>	13.70	
23 21 13 23-0273 EA 6", 150 LB, Black Malleable Iron Square Head Plug.....	97.10	36.26
<i>For Work In Restricted Working Space, Add</i>	16.33	
23 21 13 23-0274 125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
23 21 13 23-0275 EA 1", 125 LB, Black Cast Iron Flange.....	85.78	45.02
<i>For Work In Restricted Working Space, Add</i>	20.26	
23 21 13 23-0276 EA 1-1/4", 125 LB, Black Cast Iron Flange.....	90.69	46.62
<i>For Work In Restricted Working Space, Add</i>	20.97	
23 21 13 23-0277 EA 1-1/2", 125 LB, Black Cast Iron Flange.....	96.52	50.71
<i>For Work In Restricted Working Space, Add</i>	22.81	
23 21 13 23-0278 EA 2", 125 LB, Black Cast Iron Flange.....	101.10	52.90
<i>For Work In Restricted Working Space, Add</i>	23.81	
23 21 13 23-0279 EA 2-1/2", 125 LB, Black Cast Iron Flange.....	115.87	61.26
<i>For Work In Restricted Working Space, Add</i>	27.54	
23 21 13 23-0280 EA 3", 125 LB, Black Cast Iron Flange.....	149.18	77.70
<i>For Work In Restricted Working Space, Add</i>	34.95	
23 21 13 23-0281 EA 4", 125 LB, Black Cast Iron Flange.....	190.23	97.47
<i>For Work In Restricted Working Space, Add</i>	43.85	
23 21 13 23-0282 EA 5", 125 LB, Black Cast Iron Flange.....	232.87	116.10
<i>For Work In Restricted Working Space, Add</i>	52.20	
23 21 13 23-0283 EA 6", 125 LB, Black Cast Iron Flange.....	270.01	133.27
<i>For Work In Restricted Working Space, Add</i>	59.95	
23 21 13 23-0284 150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
23 21 13 23-0285 EA 3/4", 150 LB, Black Malleable Iron Flange.....	68.74	39.85
<i>For Work In Restricted Working Space, Add</i>	17.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0286 EA 1", 150 LB, Black Malleable Iron Flange	77.18	45.02
<i>For Work In Restricted Working Space, Add</i>	20.26	
23 21 13 23-0287 EA 1-1/4", 150 LB, Black Malleable Iron Flange	80.22	46.62
<i>For Work In Restricted Working Space, Add</i>	20.97	
23 21 13 23-0288 EA 1-1/2", 150 LB, Black Malleable Iron Flange	87.31	50.71
<i>For Work In Restricted Working Space, Add</i>	22.81	
23 21 13 23-0289 EA 2", 150 LB, Black Malleable Iron Flange	94.03	52.90
<i>For Work In Restricted Working Space, Add</i>	23.81	
23 21 13 23-0290 EA 2-1/2", 150 LB, Black Malleable Iron Flange	116.12	61.26
<i>For Work In Restricted Working Space, Add</i>	27.54	
23 21 13 23-0291 EA 3", 150 LB, Black Malleable Iron Flange	147.21	77.70
<i>For Work In Restricted Working Space, Add</i>	34.94	
23 21 13 23-0292 EA 4", 150 LB, Black Malleable Iron Flange	198.33	97.47
<i>For Work In Restricted Working Space, Add</i>	43.84	
23 21 13 23-0293 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0294 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe	32.46	
<i>For Work In Restricted Working Space, Add</i>	9.74	
23 21 13 23-0295 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe	35.71	
<i>For Work In Restricted Working Space, Add</i>	10.71	
23 21 13 23-0296 EA 1", Cut And Thread Existing In Place Black Steel Pipe	38.97	
<i>For Work In Restricted Working Space, Add</i>	11.69	
23 21 13 23-0297 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe	42.21	
<i>For Work In Restricted Working Space, Add</i>	12.66	
23 21 13 23-0298 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe	44.37	
<i>For Work In Restricted Working Space, Add</i>	13.31	
23 21 13 23-0299 EA 2", Cut And Thread Existing In Place Black Steel Pipe	46.54	
<i>For Work In Restricted Working Space, Add</i>	13.96	
23 21 13 23-0300 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe	48.71	
<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 13 23-0301 EA 3", Cut And Thread Existing In Place Black Steel Pipe	50.87	
<i>For Work In Restricted Working Space, Add</i>	15.26	
23 21 13 23-0302 EA 4", Cut And Thread Existing In Place Black Steel Pipe	53.03	
<i>For Work In Restricted Working Space, Add</i>	15.91	
23 21 13 23-0303 EA 6", Cut And Thread Existing In Place Black Steel Pipe	57.36	
<i>For Work In Restricted Working Space, Add</i>	17.21	
23 21 13 23-0304 EA 8", Cut And Thread Existing In Place Black Steel Pipe	61.68	
<i>For Work In Restricted Working Space, Add</i>	18.50	
23 21 13 23-0305 EA 10", Cut And Thread Existing In Place Black Steel Pipe	67.10	
<i>For Work In Restricted Working Space, Add</i>	20.13	
23 21 13 23-0306 EA 12", Cut And Thread Existing In Place Black Steel Pipe	71.43	
<i>For Work In Restricted Working Space, Add</i>	21.43	
23 21 13 23-0307 Welded Black Steel Pipe (23 21 13 23)		
23 21 13 23-0308 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0307)		
Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0309 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	21.06	7.56
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	5.53	
23 21 13 23-0310 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	23.64	8.07
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	6.19	
23 21 13 23-0311 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	27.41	8.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.10	
23 21 13 23-0312 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	28.73	8.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	7.43	
23 21 13 23-0313 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	33.18	8.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	8.60	
23 21 13 23-0314 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	40.18	8.57
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	9.97	
23 21 13 23-0315 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	43.76	8.36
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	10.52	
23 21 13 23-0316 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	53.03	9.93
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	12.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0317 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	67.49	14.81
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	14.20	
23 21 13 23-0318 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	100.86	18.40
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	21.06	
23 21 13 23-0319 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	127.60	23.00
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	25.11	
23 21 13 23-0320 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	154.95	27.78
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	29.02	
23 21 13 23-0321 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	172.77	36.24
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	32.37	
23 21 13 23-0322 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	192.08	45.99
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	36.18	
23 21 13 23-0323 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	242.32	56.93
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	39.70	
23 21 13 23-0324 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	277.56	70.36
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	45.44	
23 21 13 23-0325 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	320.73	79.74
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	49.96	
23 21 13 23-0326 Welded Black Steel Pipe And Fittings (23 21 13 23-0307)		
Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0327 Welded Plain End Black Steel Piping (23 21 13 23-0326)		
Note: ASTM A-53		
23 21 13 23-0328 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	9.23	4.03
For Schedule 80 Pipe, Add	1.44	
For Schedule A-106 Pipe, Add	0.14	
For Work In Restricted Working Space, Add	2.42	
23 21 13 23-0329 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	11.62	5.04
For Schedule 80 Pipe, Add	1.82	
For Schedule A-106 Pipe, Add	0.18	
For Work In Restricted Working Space, Add	3.02	
23 21 13 23-0330 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	14.36	6.04
For Schedule 80 Pipe, Add	2.27	
For Schedule A-106 Pipe, Add	0.27	
For Work In Restricted Working Space, Add	3.63	
23 21 13 23-0331 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	17.12	7.06
For Schedule 80 Pipe, Add	2.72	
For Schedule A-106 Pipe, Add	0.36	
For Work In Restricted Working Space, Add	4.23	
23 21 13 23-0332 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	20.33	8.36
For Schedule 80 Pipe, Add	3.23	
For Schedule A-106 Pipe, Add	0.43	
For Work In Restricted Working Space, Add	5.02	
23 21 13 23-0333 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	23.15	9.47
For Schedule 80 Pipe, Add	4.79	
For Schedule A-106 Pipe, Add	0.50	
For Work In Restricted Working Space, Add	5.69	
23 21 13 23-0334 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	27.02	10.18
For Schedule 80 Pipe, Add	5.89	
For Schedule A-106 Pipe, Add	0.80	
For Work In Restricted Working Space, Add	6.11	
23 21 13 23-0335 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	35.88	12.59
For Schedule 80 Pipe, Add	8.15	
For Schedule A-106 Pipe, Add	1.28	
For Work In Restricted Working Space, Add	7.56	
23 21 13 23-0336 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	49.13	20.41
For Schedule 80 Pipe, Add	11.73	
For Schedule A-106 Pipe, Add	2.15	
For Work In Restricted Working Space, Add	9.37	
23 21 13 23-0337 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	66.53	19.78
For Schedule 80 Pipe, Add	16.36	
For Schedule A-106 Pipe, Add	3.24	
For Schedule 30 Pipe, Deduct	-9.35	
For Work In Restricted Working Space, Add	11.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0338 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	85.84	23.82
For Schedule 80 Pipe, Add	21.71	
For Schedule A-106 Pipe, Add	4.58	
For Schedule 30 Pipe, Deduct	-12.40	
For Work In Restricted Working Space, Add	14.30	
23 21 13 23-0339 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	108.07	28.79
For Schedule 80 Pipe, Add	27.75	
For Schedule A-106 Pipe, Add	6.06	
For Schedule 30 Pipe, Deduct	-15.86	
For Work In Restricted Working Space, Add	17.27	
23 21 13 23-0340 LF 14" Schedule 40, Welded Plain End Black Steel Pipe	106.76	30.35
For Schedule 80 Pipe, Add	26.74	
For Schedule A-106 Pipe, Add	5.53	
For Schedule 30 Pipe, Deduct	-15.28	
For Schedule 20 Pipe, Deduct	-28.26	
For Work In Restricted Working Space, Add	18.21	
23 21 13 23-0341 LF 16" Schedule 40, Welded Plain End Black Steel Pipe	116.77	32.65
For Schedule 80 Pipe, Add	29.44	
For Schedule A-106 Pipe, Add	6.18	
For Schedule 30 Pipe, Deduct	-16.82	
For Schedule 20 Pipe, Deduct	-31.07	
For Work In Restricted Working Space, Add	19.59	
23 21 13 23-0342 LF 18" Schedule 40, Welded Plain End Black Steel Pipe	141.96	35.32
For Schedule 80 Pipe, Add	37.33	
For Schedule A-106 Pipe, Add	8.56	
For Schedule 30 Pipe, Deduct	-21.33	
For Schedule 20 Pipe, Deduct	-39.09	
For Work In Restricted Working Space, Add	21.19	
23 21 13 23-0343 LF 20" Schedule 40, Welded Plain End Black Steel Pipe	168.38	42.31
For Schedule 80 Pipe, Add	44.12	
For Schedule A-106 Pipe, Add	10.05	
For Work In Restricted Working Space, Add	25.39	
23 21 13 23-0344 LF 24" Schedule 40, Welded Plain End Black Steel Pipe	205.51	48.65
For Schedule 80 Pipe, Add	54.90	
For Schedule A-106 Pipe, Add	12.98	
For Work In Restricted Working Space, Add	29.19	
23 21 13 23-0345 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0326)		
23 21 13 23-0346 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	100.00	58.31
For Schedule 80 Fittings, Add	20.83	
For Work In Restricted Working Space, Add	26.21	
23 21 13 23-0347 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	104.58	61.35
For Schedule 80 Fittings, Add	21.72	
For Work In Restricted Working Space, Add	27.59	
23 21 13 23-0348 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	117.46	69.90
For Schedule 80 Fittings, Add	24.23	
For Work In Restricted Working Space, Add	31.45	
23 21 13 23-0349 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	125.73	75.41
For Schedule 80 Fittings, Add	25.84	
For Work In Restricted Working Space, Add	33.93	
23 21 13 23-0350 EA 2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	159.76	98.13
For Schedule 80 Fittings, Add	32.48	
For Work In Restricted Working Space, Add	44.14	
23 21 13 23-0351 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	200.74	122.69
For Schedule 80 Fittings, Add	40.91	
For Work In Restricted Working Space, Add	55.17	
23 21 13 23-0352 EA 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	224.34	136.26
For Schedule 80 Fittings, Add	45.86	
For Work In Restricted Working Space, Add	61.27	
23 21 13 23-0353 EA 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	386.25	235.44
For Schedule 80 Fittings, Add	78.81	
For Work In Restricted Working Space, Add	105.90	
23 21 13 23-0354 EA 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	664.36	388.53
For Schedule 80 Fittings, Add	138.14	
For Work In Restricted Working Space, Add	174.77	
23 21 13 23-0355 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	899.09	498.41
For Schedule 80 Fittings, Add	191.26	
For Work In Restricted Working Space, Add	224.19	
23 21 13 23-0356 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,132.77	569.69
For Schedule 80 Fittings, Add	250.16	
For Work In Restricted Working Space, Add	256.22	
23 21 13 23-0357 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,521.61	745.36
For Schedule 80 Fittings, Add	339.15	
For Work In Restricted Working Space, Add	335.24	
23 21 13 23-0358 EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,867.91	881.02
For Schedule 80 Fittings, Add	421.68	
For Work In Restricted Working Space, Add	396.27	
23 21 13 23-0359 EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,291.16	1,028.83
For Schedule 80 Fittings, Add	525.40	
For Work In Restricted Working Space, Add	462.72	
23 21 13 23-0360 EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,683.57	1,147.20
For Schedule 80 Fittings, Add	624.48	
For Work In Restricted Working Space, Add	515.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0361 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,344.90 800.98 578.55	1,286.26
23 21 13 23-0362 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,843.88 943.92 597.83	1,329.21
23 21 13 23-0363 Welded Plain End Black Steel Reducing 90 Degree Elbows <small>(23 21 13 23-0326)</small>		
23 21 13 23-0364 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	490.47 110.01 106.09	235.83
23 21 13 23-0365 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	843.60 192.61 172.78	384.09
23 21 13 23-0366 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	889.49 206.38 172.78	384.09
23 21 13 23-0367 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,311.94 315.12 224.19	498.41
23 21 13 23-0368 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,421.37 347.95 224.19	498.41
23 21 13 23-0369 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,756.60 437.30 256.22	569.69
23 21 13 23-0370 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,756.60 437.30 256.22	569.69
23 21 13 23-0371 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,814.44 724.77 341.62	759.52
23 21 13 23-0372 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,814.44 724.77 341.62	759.52
23 21 13 23-0373 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,112.10 814.06 341.62	759.52
23 21 13 23-0374 Welded Plain End Black Steel 45 Degree Elbows <small>(23 21 13 23-0326)</small>		
23 21 13 23-0375 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.68 19.71 25.70	57.15
23 21 13 23-0376 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.72 20.30 26.61	59.16
23 21 13 23-0377 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.82 22.86 30.54	67.93
23 21 13 23-0378 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.88 24.43 32.96	73.27
23 21 13 23-0379 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.13 30.72 42.63	94.74
23 21 13 23-0380 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.06 38.29 53.52	119.03
23 21 13 23-0381 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.88 44.22 61.26	136.16
23 21 13 23-0382 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	377.18 76.10 105.87	235.34
23 21 13 23-0383 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	641.62 131.39 174.57	388.13
23 21 13 23-0384 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	858.13 178.97 224.19	498.41
23 21 13 23-0385 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,057.56 227.59 256.22	569.69
23 21 13 23-0386 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,410.46 306.03 334.61	743.98
23 21 13 23-0387 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,722.05 377.74 396.79	882.21
23 21 13 23-0388 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,087.52 464.47 462.24	1,027.73

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0389 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,421.54	1,145.82
For Schedule 80 Fittings, Add	546.08	
For Work In Restricted Working Space, Add	515.37	
23 21 13 23-0390 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,962.68	1,286.26
For Schedule 80 Fittings, Add	686.31	
For Work In Restricted Working Space, Add	578.55	
23 21 13 23-0391 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,344.36	1,329.21
For Schedule 80 Fittings, Add	794.07	
For Work In Restricted Working Space, Add	597.83	
23 21 13 23-0392 Welded Plain End Black Steel Tee (23 21 13 23-0326)		
23 21 13 23-0393 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee.....	191.52	107.54
For Schedule 80 Fittings, Add	40.52	
For Work In Restricted Working Space, Add	48.38	
23 21 13 23-0394 EA 1" Standard Weight, Welded Plain End Black Steel Tee.....	191.47	107.54
For Schedule 80 Fittings, Add	40.51	
For Work In Restricted Working Space, Add	48.36	
23 21 13 23-0395 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee	215.81	119.63
For Schedule 80 Fittings, Add	45.91	
For Work In Restricted Working Space, Add	53.80	
23 21 13 23-0396 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee	238.04	134.45
For Schedule 80 Fittings, Add	50.25	
For Work In Restricted Working Space, Add	60.47	
23 21 13 23-0397 EA 2" Standard Weight, Welded Plain End Black Steel Tee.....	301.37	179.50
For Schedule 80 Fittings, Add	62.15	
For Work In Restricted Working Space, Add	80.73	
23 21 13 23-0398 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee	342.44	201.67
For Schedule 80 Fittings, Add	70.98	
For Work In Restricted Working Space, Add	90.71	
23 21 13 23-0399 EA 3" Standard Weight, Welded Plain End Black Steel Tee.....	411.23	244.91
For Schedule 80 Fittings, Add	84.85	
For Work In Restricted Working Space, Add	110.06	
23 21 13 23-0400 EA 4" Standard Weight, Welded Plain End Black Steel Tee.....	592.17	353.86
For Schedule 80 Fittings, Add	121.95	
For Work In Restricted Working Space, Add	159.14	
23 21 13 23-0401 EA 6" Standard Weight, Welded Plain End Black Steel Tee.....	988.74	584.56
For Schedule 80 Fittings, Add	204.60	
For Work In Restricted Working Space, Add	262.92	
23 21 13 23-0402 EA 8" Standard Weight, Welded Plain End Black Steel Tee.....	1,346.74	759.52
For Schedule 80 Fittings, Add	284.46	
For Work In Restricted Working Space, Add	341.62	
23 21 13 23-0403 EA 10" Standard Weight, Welded Plain End Black Steel Tee.....	1,677.29	886.08
For Schedule 80 Fittings, Add	363.69	
For Work In Restricted Working Space, Add	398.56	
23 21 13 23-0404 EA 12" Standard Weight, Welded Plain End Black Steel Tee.....	2,238.55	1,139.29
For Schedule 80 Fittings, Add	492.22	
For Work In Restricted Working Space, Add	512.43	
23 21 13 23-0405 EA 14" Standard Weight, Welded Plain End Black Steel Tee.....	2,845.64	1,329.21
For Schedule 80 Fittings, Add	644.45	
For Work In Restricted Working Space, Add	597.83	
23 21 13 23-0406 EA 16" Standard Weight, Welded Plain End Black Steel Tee.....	3,422.38	1,595.01
For Schedule 80 Fittings, Add	775.62	
For Work In Restricted Working Space, Add	717.40	
23 21 13 23-0407 EA 18" Standard Weight, Welded Plain End Black Steel Tee.....	4,341.23	1,772.25
For Schedule 80 Fittings, Add	1,023.38	
For Work In Restricted Working Space, Add	797.11	
23 21 13 23-0408 EA 20" Standard Weight, Welded Plain End Black Steel Tee.....	5,589.35	1,993.82
For Schedule 80 Fittings, Add	1,362.94	
For Work In Restricted Working Space, Add	896.75	
23 21 13 23-0409 EA 24" Standard Weight, Welded Plain End Black Steel Tee.....	6,390.62	2,147.19
For Schedule 80 Fittings, Add	1,579.18	
For Work In Restricted Working Space, Add	965.73	
23 21 13 23-0410 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0326)		
23 21 13 23-0411 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	186.48	104.21
For Schedule 80 Fittings, Add	39.54	
For Work In Restricted Working Space, Add	46.87	
23 21 13 23-0412 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee	191.47	107.54
For Schedule 80 Fittings, Add	40.51	
For Work In Restricted Working Space, Add	48.36	
23 21 13 23-0413 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	213.88	119.63
For Schedule 80 Fittings, Add	45.33	
For Work In Restricted Working Space, Add	53.80	
23 21 13 23-0414 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	236.11	134.45
For Schedule 80 Fittings, Add	49.67	
For Work In Restricted Working Space, Add	60.47	
23 21 13 23-0415 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee	305.75	179.50
For Schedule 80 Fittings, Add	63.46	
For Work In Restricted Working Space, Add	80.76	
23 21 13 23-0416 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	342.56	201.78
For Schedule 80 Fittings, Add	71.01	
For Work In Restricted Working Space, Add	90.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0417 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.43 84.91 110.06	244.91
23 21 13 23-0418 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	592.46 122.04 159.14	353.86
23 21 13 23-0419 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	989.23 204.75 262.92	584.56
23 21 13 23-0420 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,347.68 284.74 341.62	759.52
23 21 13 23-0421 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,678.89 364.17 398.56	886.08
23 21 13 23-0422 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,240.95 492.94 512.43	1,139.29
23 21 13 23-0423 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,849.52 645.61 597.83	1,329.21
23 21 13 23-0424 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,427.08 777.03 717.40	1,595.01
23 21 13 23-0425 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,348.91 1,025.68 797.11	1,772.25
23 21 13 23-0426 Welded Plain End Black Steel Eccentric Reducers <small>(23 21 13 23-0326)</small>		
23 21 13 23-0427 EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	229.94 47.60 -8.43 61.08	135.76
23 21 13 23-0428 EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	385.53 78.53 -10.21 106.09	235.83
23 21 13 23-0429 EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	394.71 81.28 -13.15 106.09	235.83
23 21 13 23-0430 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	640.41 131.65 -20.64 172.78	384.09
23 21 13 23-0431 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	687.38 145.74 -35.67 172.78	384.09
23 21 13 23-0432 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	972.79 199.82 -30.84 262.92	584.56
23 21 13 23-0433 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,042.81 220.82 -53.25 262.92	584.56
23 21 13 23-0434 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,121.56 230.64 -36.39 302.36	672.24
23 21 13 23-0435 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,209.61 257.06 -64.56 302.36	672.24
23 21 13 23-0436 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,315.45 275.30 -57.24 340.97	758.05
23 21 13 23-0437 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,417.42 305.89 -89.88 340.97	758.05
23 21 13 23-0438 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,642.65 353.30 -100.52 398.56	886.08
23 21 13 23-0439 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,699.53 370.36 -118.72 398.56	886.08
23 21 13 23-0440 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,921.06 419.39 -136.47 448.37	996.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0441 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	2,067.37	996.91
For Schedule 80 Fittings, Add	463.28	
For Concentric Reducers, Deduct	-183.29	
For Work In Restricted Working Space, Add	448.37	
23 21 13 23-0442 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	2,401.53	1,139.29
For Schedule 80 Fittings, Add	541.11	
For Concentric Reducers, Deduct	-221.90	
For Work In Restricted Working Space, Add	512.43	
23 21 13 23-0443 Welded Plain End Black Steel Caps (23 21 13 23-0326)		
23 21 13 23-0444 EA 1" Standard Weight, Welded Plain End Black Steel Cap.....	56.81	33.66
For Schedule 80 Fittings, Add	10.74	
For Work In Restricted Working Space, Add	15.12	
23 21 13 23-0445 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap.....	62.24	36.99
For Schedule 80 Fittings, Add	11.74	
For Work In Restricted Working Space, Add	16.63	
23 21 13 23-0446 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap.....	64.66	38.30
For Schedule 80 Fittings, Add	12.22	
For Work In Restricted Working Space, Add	17.24	
23 21 13 23-0447 EA 2" Standard Weight, Welded Plain End Black Steel Cap.....	80.80	49.08
For Schedule 80 Fittings, Add	15.04	
For Work In Restricted Working Space, Add	22.08	
23 21 13 23-0448 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap.....	95.92	59.16
For Schedule 80 Fittings, Add	17.69	
For Work In Restricted Working Space, Add	26.61	
23 21 13 23-0449 EA 3" Standard Weight, Welded Plain End Black Steel Cap.....	112.74	68.23
For Schedule 80 Fittings, Add	21.03	
For Work In Restricted Working Space, Add	30.70	
23 21 13 23-0450 EA 4" Standard Weight, Welded Plain End Black Steel Cap.....	190.68	117.92
For Schedule 80 Fittings, Add	35.10	
For Work In Restricted Working Space, Add	53.04	
23 21 13 23-0451 EA 6" Standard Weight, Welded Plain End Black Steel Cap.....	318.46	194.82
For Schedule 80 Fittings, Add	59.02	
For Work In Restricted Working Space, Add	87.64	
23 21 13 23-0452 EA 8" Standard Weight, Welded Plain End Black Steel Cap.....	531.16	327.96
For Schedule 80 Fittings, Add	97.89	
For Work In Restricted Working Space, Add	147.49	
23 21 13 23-0453 EA 10" Standard Weight, Welded Plain End Black Steel Cap.....	586.19	344.78
For Schedule 80 Fittings, Add	111.25	
For Work In Restricted Working Space, Add	155.06	
23 21 13 23-0454 EA 12" Standard Weight, Welded Plain End Black Steel Cap.....	642.82	370.93
For Schedule 80 Fittings, Add	123.33	
For Work In Restricted Working Space, Add	166.84	
23 21 13 23-0455 EA 14" Standard Weight, Welded Plain End Black Steel Cap.....	827.24	443.04
For Schedule 80 Fittings, Add	165.14	
For Work In Restricted Working Space, Add	199.28	
23 21 13 23-0456 EA 16" Standard Weight, Welded Plain End Black Steel Cap.....	960.71	514.50
For Schedule 80 Fittings, Add	191.79	
For Work In Restricted Working Space, Add	231.42	
23 21 13 23-0457 EA 18" Standard Weight, Welded Plain End Black Steel Cap.....	1,071.78	569.69
For Schedule 80 Fittings, Add	214.78	
For Work In Restricted Working Space, Add	256.22	
23 21 13 23-0458 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-026)		
Note: 150 LB.		
23 21 13 23-0459 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange.....	139.32	69.35
For 300 LB Rating, Add	35.66	
For Work In Restricted Working Space, Add	31.19	
23 21 13 23-0460 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange.....	165.09	86.55
For 300 LB Rating, Add	38.37	
For Work In Restricted Working Space, Add	38.92	
23 21 13 23-0461 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange.....	197.95	108.44
For 300 LB Rating, Add	41.84	
For Work In Restricted Working Space, Add	48.77	
23 21 13 23-0462 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange.....	259.53	143.02
For 300 LB Rating, Add	54.08	
For Work In Restricted Working Space, Add	64.33	
23 21 13 23-0463 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange.....	394.49	216.89
For 300 LB Rating, Add	82.70	
For Work In Restricted Working Space, Add	97.53	
23 21 13 23-0464 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange.....	443.87	215.59
For 300 LB Rating, Add	118.43	
For Work In Restricted Working Space, Add	96.95	
23 21 13 23-0465 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange.....	603.75	270.31
For 300 LB Rating, Add	181.47	
For Work In Restricted Working Space, Add	121.59	
23 21 13 23-0466 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange.....	749.21	306.74
For 300 LB Rating, Add	250.82	
For Work In Restricted Working Space, Add	137.96	
23 21 13 23-0467 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange.....	995.35	370.93
For 300 LB Rating, Add	365.85	
For Work In Restricted Working Space, Add	166.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0468 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,332.55 548.24 193.89	431.08
23 21 13 23-0469 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,677.35 742.98 217.40	483.33
23 21 13 23-0470 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,126.38 941.22 275.92	613.47
23 21 13 23-0471 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,429.24 1,107.62 298.92	664.61
23 21 13 23-0472 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0326)		
23 21 13 23-0473 EA 2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.16 24.33 24.83	69.35
23 21 13 23-0474 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.49 30.70 30.35	86.55
23 21 13 23-0475 EA 3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.28 37.39 39.31	108.44
23 21 13 23-0476 EA 4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.16 50.23 51.40	143.02
23 21 13 23-0477 EA 6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.10 76.07 75.59	216.89
23 21 13 23-0478 EA 8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.19 106.39 88.29	215.59
23 21 13 23-0479 EA 10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	512.70 168.95 110.37	270.31
23 21 13 23-0480 EA 12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	669.93 251.97 132.44	306.74
23 21 13 23-0481 EA 14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	848.85 354.49 154.52	370.93
23 21 13 23-0482 EA 16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,019.66 464.35 171.07	431.08
23 21 13 23-0483 EA 18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,129.34 519.19 187.63	483.33
23 21 13 23-0484 EA 20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,253.38 586.96 204.18	613.47
23 21 13 23-0485 EA 24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,434.54 662.26 237.29	664.61
23 21 13 23-0486 150 LB, Forged Steel Blind Flanges (23 21 13 23-0326)		
23 21 13 23-0487 EA 2", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.08 21.64 56.00 16.24	27.07
23 21 13 23-0488 EA 2-1/2", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.31 32.70 87.38 19.49	32.47
23 21 13 23-0489 EA 3", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.07 35.87 93.32 25.98	43.30
23 21 13 23-0490 EA 4", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.38 48.26 126.93 32.48	54.13
23 21 13 23-0491 EA 6", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.62 70.69 188.85 42.22	70.37
23 21 13 23-0492 EA 8", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.25 105.74 290.42 48.72	81.20
23 21 13 23-0493 EA 10", 150 LB, Forged Steel Blind Flange..... <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.37 193.65 548.81 58.46	97.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0494	EA	12", 150 LB, Forged Steel Blind Flange.....	533.77	113.67
			<i>For 300 LB Rating, Add</i>	269.01	
			<i>For 600 LB Rating, Add</i>	769.51	
			<i>For Work In Restricted Working Space, Add</i>	68.21	
23 21	13 23-0495	EA	14", 150 LB, Forged Steel Blind Flange.....	890.72	129.92
			<i>For 300 LB Rating, Add</i>	532.00	
			<i>For Work In Restricted Working Space, Add</i>	77.95	
23 21	13 23-0496	EA	16", 150 LB, Forged Steel Blind Flange.....	957.32	146.15
			<i>For 300 LB Rating, Add</i>	562.70	
			<i>For Work In Restricted Working Space, Add</i>	87.69	
23 21	13 23-0497	EA	18", 150 LB, Forged Steel Blind Flange.....	1,079.56	178.63
			<i>For 300 LB Rating, Add</i>	615.35	
			<i>For Work In Restricted Working Space, Add</i>	107.18	
23 21	13 23-0498	EA	20", 150 LB, Forged Steel Blind Flange.....	1,378.68	194.88
			<i>For 300 LB Rating, Add</i>	832.07	
			<i>For Work In Restricted Working Space, Add</i>	116.92	
23 21	13 23-0499	EA	24", 150 LB, Forged Steel Blind Flange.....	1,870.53	227.35
			<i>For 300 LB Rating, Add</i>	1,180.41	
			<i>For Work In Restricted Working Space, Add</i>	136.41	
23 21	13 23-0500		3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0326)</small>		
23 21	13 23-0501	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let.....	75.93	
			<i>For Weld-O-Lets, Add</i>	4.37	
			<i>For Sock-O-Lets, Add</i>	29.29	
			<i>For Work In Restricted Working Space, Add</i>	20.16	
23 21	13 23-0502	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let.....	90.89	
			<i>For Weld-O-Lets, Add</i>	5.13	
			<i>For Sock-O-Lets, Add</i>	35.05	
			<i>For Work In Restricted Working Space, Add</i>	24.19	
23 21	13 23-0503	EA	1", 3,000 LB, Forge Steel Thread-O-Let.....	103.13	
			<i>For Weld-O-Lets, Add</i>	5.75	
			<i>For Sock-O-Lets, Add</i>	39.76	
			<i>For Work In Restricted Working Space, Add</i>	27.49	
23 21	13 23-0504	EA	1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	117.09	
			<i>For Weld-O-Lets, Add</i>	8.16	
			<i>For Sock-O-Lets, Add</i>	45.31	
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 21	13 23-0505	EA	2", 3,000 LB, Forge Steel Thread-O-Let.....	132.38	
			<i>For Weld-O-Lets, Add</i>	10.20	
			<i>For Sock-O-Lets, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	33.59	
23 21	13 23-0506	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	218.00	
			<i>For Weld-O-Lets, Add</i>	37.02	
			<i>For Sock-O-Lets, Add</i>	86.54	
			<i>For Work In Restricted Working Space, Add</i>	43.19	
23 21	13 23-0507	EA	3", 3,000 LB, Forge Steel Thread-O-Let.....	276.04	
			<i>For Weld-O-Lets, Add</i>	37.24	
			<i>For Sock-O-Lets, Add</i>	108.62	
			<i>For Work In Restricted Working Space, Add</i>	60.47	
23 21	13 23-0508	EA	4", 3,000 LB, Forge Steel Thread-O-Let.....	397.74	
			<i>For Weld-O-Lets, Add</i>	72.89	
			<i>For Sock-O-Lets, Add</i>	158.43	
			<i>For Work In Restricted Working Space, Add</i>	75.59	
23 21	13 23-0509		Bolt, Nut, And 150 LB Rubber Flange Gasket Set <small>(23 21 13 23-0326)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0510	EA	3/4" To 1-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	7.14	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	2.32	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	9.32	
23 21	13 23-0511	EA	2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	12.70	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.13	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	16.57	
23 21	13 23-0512	EA	2-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	13.62	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.43	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	17.77	
23 21	13 23-0513	EA	3" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	14.33	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.66	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	18.70	
23 21	13 23-0514	EA	4" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	24.93	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	8.10	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	32.53	
23 21	13 23-0515	EA	5" To 6" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	39.10	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	12.71	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	51.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0516 EA 8" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	42.06 13.67 54.89	
23 21 13 23-0517 EA 10" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	85.76 27.87 111.92	
23 21 13 23-0518 EA 12" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	92.82 30.17 121.13	
23 21 13 23-0519 EA 14" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	131.64 42.78 171.79	
23 21 13 23-0520 EA 16" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	171.71 55.81 224.08	
23 21 13 23-0521 EA 18" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	248.34 80.71 324.08	
23 21 13 23-0522 EA 20" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	343.15 111.52 447.81	
23 21 13 23-0523 EA 24" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	428.93 139.40 559.75	
23 21 13 23-0525 EA 30" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	716.73 232.94 935.33	
23 21 13 23-0526 EA 36" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	857.87 278.81 1,119.52	
23 21 13 23-0527 150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0326)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0528 EA 1/2", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.96 0.02 0.54 0.62 8.97	
23 21 13 23-0529 EA 3/4", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.99 0.04 0.77 0.89 9.57	
23 21 13 23-0530 EA 1", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.05 0.06 1.31 1.51 10.46	
23 21 13 23-0531 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.06 0.07 1.47 1.69 11.36	
23 21 13 23-0532 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.09 0.08 1.86 2.14 12.56	
23 21 13 23-0533 EA 2", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.18 0.12 2.63 3.03 13.75	
23 21 13 23-0534 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.27 0.16 3.56 4.09 16.14	
23 21 13 23-0535 EA 3", 150 LB, Rubber Flange Gasket Replacement <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.33 0.19 4.10 4.72 17.04	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0536 EA 4", 150 LB, Rubber Flange Gasket Replacement	75.62	
For 300 LB Rating Gasket Set, Add	0.30	
For 150 LB Rating Teflon Gasket Set, Add	6.73	
For 300 LB Rating Teflon Gasket Set, Add	7.74	
For Work In Restricted Working Space, Add	22.43	
23 21 13 23-0537 EA 5", 150 LB, Rubber Flange Gasket Replacement	87.68	
For 300 LB Rating Gasket Set, Add	0.34	
For 150 LB Rating Teflon Gasket Set, Add	7.50	
For 300 LB Rating Teflon Gasket Set, Add	8.63	
For Work In Restricted Working Space, Add	26.01	
23 21 13 23-0538 EA 6", 150 LB, Rubber Flange Gasket Replacement	99.92	
For 300 LB Rating Gasket Set, Add	0.44	
For 150 LB Rating Teflon Gasket Set, Add	9.74	
For 300 LB Rating Teflon Gasket Set, Add	11.21	
For Work In Restricted Working Space, Add	29.60	
23 21 13 23-0539 EA 8", 150 LB, Rubber Flange Gasket Replacement	121.43	
For 300 LB Rating Gasket Set, Add	0.64	
For 150 LB Rating Teflon Gasket Set, Add	14.22	
For 300 LB Rating Teflon Gasket Set, Add	16.38	
For Work In Restricted Working Space, Add	35.88	
23 21 13 23-0540 EA 10", 150 LB, Rubber Flange Gasket Replacement	130.17	
For 300 LB Rating Gasket Set, Add	0.91	
For 150 LB Rating Teflon Gasket Set, Add	20.18	
For 300 LB Rating Teflon Gasket Set, Add	23.23	
For Work In Restricted Working Space, Add	38.27	
23 21 13 23-0541 EA 12", 150 LB, Rubber Flange Gasket Replacement	147.84	
For 300 LB Rating Gasket Set, Add	1.17	
For 150 LB Rating Teflon Gasket Set, Add	25.82	
For 300 LB Rating Teflon Gasket Set, Add	29.73	
For Work In Restricted Working Space, Add	43.35	
23 21 13 23-0542 EA 14", 150 LB, Rubber Flange Gasket Replacement	153.48	
For 300 LB Rating Gasket Set, Add	1.40	
For 150 LB Rating Teflon Gasket Set, Add	30.84	
For 300 LB Rating Teflon Gasket Set, Add	35.51	
For Work In Restricted Working Space, Add	44.85	
23 21 13 23-0543 EA 16", 150 LB, Rubber Flange Gasket Replacement	203.76	
For 300 LB Rating Gasket Set, Add	1.56	
For 150 LB Rating Teflon Gasket Set, Add	34.40	
For 300 LB Rating Teflon Gasket Set, Add	39.61	
For Work In Restricted Working Space, Add	59.79	
23 21 13 23-0544 EA 18", 150 LB, Rubber Flange Gasket Replacement	222.87	
For 300 LB Rating Gasket Set, Add	1.62	
For 150 LB Rating Teflon Gasket Set, Add	35.87	
For 300 LB Rating Teflon Gasket Set, Add	41.30	
For Work In Restricted Working Space, Add	65.47	
23 21 13 23-0545 EA 20", 150 LB, Rubber Flange Gasket Replacement	271.04	
For 300 LB Rating Gasket Set, Add	1.74	
For 150 LB Rating Teflon Gasket Set, Add	38.50	
For 300 LB Rating Teflon Gasket Set, Add	44.32	
For Work In Restricted Working Space, Add	79.82	
23 21 13 23-0546 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0326)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0547 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.65	
For Work In Restricted Working Space, Add	6.50	
23 21 13 23-0548 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.38	
For Work In Restricted Working Space, Add	7.01	
23 21 13 23-0549 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.30	
For Work In Restricted Working Space, Add	7.89	
23 21 13 23-0550 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.60	
For Work In Restricted Working Space, Add	8.28	
23 21 13 23-0551 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.22	
For Work In Restricted Working Space, Add	8.77	
23 21 13 23-0552 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.38	
For Work In Restricted Working Space, Add	9.41	
23 21 13 23-0553 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.55	
For Work In Restricted Working Space, Add	10.07	
23 21 13 23-0554 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	36.80	
For Work In Restricted Working Space, Add	11.04	
23 21 13 23-0555 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	40.04	
For Work In Restricted Working Space, Add	12.01	
23 21 13 23-0556 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	43.29	
For Work In Restricted Working Space, Add	12.99	
23 21 13 23-0557 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	46.54	
For Work In Restricted Working Space, Add	13.96	
23 21 13 23-0558 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	50.87	
For Work In Restricted Working Space, Add	15.26	
23 21 13 23-0559 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.20	
For Work In Restricted Working Space, Add	16.56	
23 21 13 23-0560 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	59.52	
For Work In Restricted Working Space, Add	17.86	
23 21 13 23-0561 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.85	
For Work In Restricted Working Space, Add	19.16	
23 21 13 23-0562 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	67.10	
For Work In Restricted Working Space, Add	20.13	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0563	EA		20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	70.35 21.11	
23 21	13 23-0564	EA		24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	74.68 22.40	
23 21 13 23-0565 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0326)						
Note: ASTM A-135.						
23 21	13 23-0566	LF		2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	20.58 5.44	11.09
23 21	13 23-0567	LF		2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	21.89 5.44	12.10
23 21	13 23-0568	LF		3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	22.41 5.33	11.89
23 21	13 23-0569	LF		4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	28.24 6.80	15.12
23 21	13 23-0570	LF		6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	44.36 10.06	22.37
23 21	13 23-0571	LF		8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	52.99 11.31	25.11
23 21	13 23-0572	LF		10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	69.61 14.07	31.27
23 21	13 23-0573	LF		12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	84.28 16.96	37.71
23 21	13 23-0574	LF		14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	108.21 22.01	48.93
23 21	13 23-0575			Flanged Steel Fittings (23 21 13 23) See CSI section 23 21 13 23-0327 for steel pipe, 23 21 13 23-0458 for welded neck flange ends.		
23 21	13 23-0576			Flanged Steel Fittings, Standard Weight (23 21 13 23-0575) Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0509 for gaskets.		
23 21	13 23-0577			Flanged Steel, 90 Degree Elbows (23 21 13 23-0576)		
23 21	13 23-0578	EA		2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	427.18 285.96 428.94	46.52
23 21	13 23-0579	EA		2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	476.46 319.01 478.51	51.80
23 21	13 23-0580	EA		3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	473.64 310.38 465.58	57.18
23 21	13 23-0581	EA		4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	600.76 400.92 601.38	66.44
23 21	13 23-0582	EA		5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	839.05 581.98 872.96	74.41
23 21	13 23-0583	EA		6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	887.51 606.41 909.61	86.37
23 21	13 23-0584	EA		8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,125.43 785.58 1,178.38	95.63
23 21	13 23-0585			Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0576)		
23 21	13 23-0586	EA		2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	795.79 577.66 866.50	49.21
23 21	13 23-0587	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	828.91 597.78 896.68	54.49
23 21	13 23-0588	EA		4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,032.07 751.54 1,127.32	61.77
23 21	13 23-0589	EA		5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,276.93 942.66 1,413.98	65.75
23 21	13 23-0590	EA		6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,454.54 1,071.98 1,607.98	76.40
23 21	13 23-0591	EA		8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,027.90 1,513.14 2,269.72	91.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0592 Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0576)</small>		
23 21 13 23-0593 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow	556.51	46.52
For Galvanized Fittings, Add	389.42	
For Extra Heavy Weight Fittings, Add	584.14	
23 21 13 23-0594 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	580.64	51.80
For Galvanized Fittings, Add	402.35	
For Extra Heavy Weight Fittings, Add	603.53	
23 21 13 23-0595 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow	602.97	57.18
For Galvanized Fittings, Add	413.85	
For Extra Heavy Weight Fittings, Add	620.77	
23 21 13 23-0596 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow	751.64	66.44
For Galvanized Fittings, Add	521.62	
For Extra Heavy Weight Fittings, Add	782.44	
23 21 13 23-0597 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,083.34	74.41
For Galvanized Fittings, Add	777.41	
For Extra Heavy Weight Fittings, Add	1,166.11	
23 21 13 23-0598 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,056.35	86.37
For Galvanized Fittings, Add	741.48	
For Extra Heavy Weight Fittings, Add	1,112.22	
23 21 13 23-0599 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,245.68	95.63
For Galvanized Fittings, Add	881.78	
For Extra Heavy Weight Fittings, Add	1,322.68	
23 21 13 23-0600 Flanged Steel, Tees <small>(23 21 13 23-0576)</small>		
23 21 13 23-0601 EA 2" Standard Weight, Flanged Steel, Tee	548.27	69.73
For Galvanized Fittings, Add	354.94	
For Extra Heavy Weight Fittings, Add	532.40	
23 21 13 23-0602 EA 2-1/2" Standard Weight, Flanged Steel, Tee	707.50	77.70
For Galvanized Fittings, Add	472.77	
For Extra Heavy Weight Fittings, Add	709.15	
23 21 13 23-0603 EA 3" Standard Weight, Flanged Steel, Tee	645.82	85.66
For Galvanized Fittings, Add	413.86	
For Extra Heavy Weight Fittings, Add	620.78	
23 21 13 23-0604 EA 4" Standard Weight, Flanged Steel, Tee	921.78	99.71
For Galvanized Fittings, Add	617.89	
For Extra Heavy Weight Fittings, Add	926.83	
23 21 13 23-0605 EA 5" Standard Weight, Flanged Steel, Tee	1,367.89	111.67
For Galvanized Fittings, Add	960.43	
For Extra Heavy Weight Fittings, Add	1,440.65	
23 21 13 23-0606 EA 6" Standard Weight, Flanged Steel, Tee	1,669.18	129.60
For Galvanized Fittings, Add	1,179.95	
For Extra Heavy Weight Fittings, Add	1,769.93	
23 21 13 23-0607 EA 8" Standard Weight, Flanged Steel, Tee	1,848.41	150.11
For Galvanized Fittings, Add	1,298.62	
For Extra Heavy Weight Fittings, Add	1,947.94	
23 21 13 23-0608 Flanged Steel, Reducing Tees <small>(23 21 13 23-0576)</small>		
23 21 13 23-0609 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee	865.18	75.11
For Galvanized Fittings, Add	602.10	
For Extra Heavy Weight Fittings, Add	903.14	
23 21 13 23-0610 EA 3" Standard Weight, Flanged Steel, Reducing Tee	999.28	83.08
For Galvanized Fittings, Add	699.81	
For Extra Heavy Weight Fittings, Add	1,049.71	
23 21 13 23-0611 EA 4" Standard Weight, Flanged Steel, Reducing Tee	1,717.62	95.04
For Galvanized Fittings, Add	1,260.14	
For Extra Heavy Weight Fittings, Add	1,890.22	
23 21 13 23-0612 EA 5" Standard Weight, Flanged Steel, Reducing Tee	1,856.80	107.68
For Galvanized Fittings, Add	1,356.34	
For Extra Heavy Weight Fittings, Add	2,034.50	
23 21 13 23-0613 EA 6" Standard Weight, Flanged Steel, Reducing Tee	2,333.63	123.62
For Galvanized Fittings, Add	1,718.67	
For Extra Heavy Weight Fittings, Add	2,578.01	
23 21 13 23-0614 EA 8" Standard Weight, Flanged Steel, Reducing Tee	2,913.31	138.86
For Galvanized Fittings, Add	2,164.10	
For Extra Heavy Weight Fittings, Add	3,246.14	
23 21 13 23-0615 Flanged Steel, Concentric Reducers <small>(23 21 13 23-0576)</small>		
23 21 13 23-0616 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	818.13	54.49
For Galvanized Fittings, Add	589.16	
For Extra Heavy Weight Fittings, Add	883.74	
23 21 13 23-0617 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	929.68	61.77
For Galvanized Fittings, Add	669.63	
For Extra Heavy Weight Fittings, Add	1,004.45	
23 21 13 23-0618 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,379.11	70.43
For Galvanized Fittings, Add	1,018.82	
For Extra Heavy Weight Fittings, Add	1,528.22	
23 21 13 23-0619 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,521.01	76.40
For Galvanized Fittings, Add	1,125.16	
For Extra Heavy Weight Fittings, Add	1,687.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0620 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,781.81	91.04
<i>For Galvanized Fittings, Add</i>	1,316.27	
<i>For Extra Heavy Weight Fittings, Add</i>	1,974.41	
23 21 13 23-0621 Flanged Steel, Eccentric Reducers (23 21 13 23-0576)		
23 21 13 23-0622 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,082.36	61.77
<i>For Galvanized Fittings, Add</i>	791.78	
<i>For Extra Heavy Weight Fittings, Add</i>	1,187.66	
23 21 13 23-0623 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,476.11	70.43
<i>For Galvanized Fittings, Add</i>	1,096.42	
<i>For Extra Heavy Weight Fittings, Add</i>	1,644.62	
23 21 13 23-0624 Plain End Couplings And Fittings (23 21 13 23)		
Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0625 Plain End Piping System Couplings (23 21 13 23-0624)		
23 21 13 23-0626 Plainlock Plain End Piping System Couplings (23 21 13 23-0625)		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0627 EA 1" Plainlock Plain End Piping System Coupling.....	107.05	5.97
<i>For Galvanized Fittings, Add</i>	19.62	
23 21 13 23-0628 EA 1-1/2" Plainlock Plain End Piping System Coupling.....	110.53	8.26
<i>For Galvanized Fittings, Add</i>	19.62	
23 21 13 23-0629 EA 2" Plainlock Plain End Piping System Coupling.....	114.57	10.96
<i>For Galvanized Fittings, Add</i>	19.62	
23 21 13 23-0630 EA 2-1/2" Plainlock Plain End Piping System Coupling.....	118.01	13.25
<i>For Galvanized Fittings, Add</i>	19.62	
23 21 13 23-0631 EA 3" Plainlock Plain End Piping System Coupling.....	139.66	15.94
<i>For Galvanized Fittings, Add</i>	23.15	
23 21 13 23-0632 EA 4" Plainlock Plain End Piping System Coupling.....	192.25	21.22
<i>For Galvanized Fittings, Add</i>	32.08	
23 21 13 23-0633 EA 6" Plainlock Plain End Piping System Coupling.....	322.60	34.57
<i>For Galvanized Fittings, Add</i>	54.16	
23 21 13 23-0634 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0625)		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0635 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	129.58	8.26
<i>For Galvanized Fittings, Add</i>	29.28	
23 21 13 23-0636 EA 2" Roust-A-Bout Plain End Piping System Coupling.....	133.62	10.96
<i>For Galvanized Fittings, Add</i>	29.28	
23 21 13 23-0637 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	137.07	13.35
<i>For Galvanized Fittings, Add</i>	29.28	
23 21 13 23-0638 EA 3" Roust-A-Bout Plain End Piping System Coupling.....	197.40	15.94
<i>For Galvanized Fittings, Add</i>	43.38	
23 21 13 23-0639 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	228.71	18.63
<i>For Galvanized Fittings, Add</i>	50.20	
23 21 13 23-0640 EA 4" Roust-A-Bout Plain End Piping System Coupling.....	232.65	21.22
<i>For Galvanized Fittings, Add</i>	50.20	
23 21 13 23-0641 EA 5" Roust-A-Bout Plain End Piping System Coupling.....	326.74	26.59
<i>For Galvanized Fittings, Add</i>	71.72	
23 21 13 23-0642 EA 6" Roust-A-Bout Plain End Piping System Coupling.....	402.16	34.57
<i>For Galvanized Fittings, Add</i>	87.59	
23 21 13 23-0643 EA 8" Roust-A-Bout Plain End Piping System Coupling.....	683.07	41.24
<i>For Galvanized Fittings, Add</i>	155.31	
23 21 13 23-0644 EA 10" Roust-A-Bout Plain End Piping System Coupling.....	881.48	48.81
<i>For Galvanized Fittings, Add</i>	202.06	
23 21 13 23-0645 EA 12" Roust-A-Bout Plain End Piping System Coupling.....	1,100.83	57.77
<i>For Galvanized Fittings, Add</i>	253.54	
23 21 13 23-0646 EA 14" Roust-A-Bout Plain End Piping System Coupling.....	1,535.90	63.86
<i>For Galvanized Fittings, Add</i>	360.03	
23 21 13 23-0647 EA 16" Roust-A-Bout Plain End Piping System Coupling.....	2,080.41	72.22
<i>For Galvanized Fittings, Add</i>	493.03	
23 21 13 23-0648 Plain End Piping System Fittings (23 21 13 23-0624)		
Note: Cast ductile iron bodies.		
23 21 13 23-0649 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0648)		
23 21 13 23-0650 EA 1" Plain End Piping System, 90 Degree Elbow.....	108.87	10.86
<i>For Galvanized Fittings, Add</i>	18.52	
23 21 13 23-0651 EA 1-1/2" Plain End Piping System, 90 Degree Elbow.....	117.24	16.44
<i>For Galvanized Fittings, Add</i>	18.52	
23 21 13 23-0652 EA 2" Plain End Piping System, 90 Degree Elbow.....	125.15	21.72
<i>For Galvanized Fittings, Add</i>	18.52	
23 21 13 23-0653 EA 2-1/2" Plain End Piping System, 90 Degree Elbow.....	132.25	26.49
<i>For Galvanized Fittings, Add</i>	18.52	
23 21 13 23-0654 EA 3" Plain End Piping System, 90 Degree Elbow.....	159.29	32.07
<i>For Galvanized Fittings, Add</i>	22.24	
23 21 13 23-0655 EA 4" Plain End Piping System, 90 Degree Elbow.....	225.54	42.24
<i>For Galvanized Fittings, Add</i>	32.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0656	EA	5" Plain End Piping System, 90 Degree Elbow	640.67	52.90
			<i>For Galvanized Fittings, Add</i>	112.27	
23 21	13 23-0657	EA	6" Plain End Piping System, 90 Degree Elbow	550.13	69.24
			<i>For Galvanized Fittings, Add</i>	89.27	
23 21	13 23-0658	EA	8" Plain End Piping System, 90 Degree Elbow	1,066.06	82.19
			<i>For Galvanized Fittings, Add</i>	188.55	
23 21	13 23-0659	EA	10" Plain End Piping System, 90 Degree Elbow	1,328.87	96.03
			<i>For Galvanized Fittings, Add</i>	236.98	
23 21	13 23-0660	EA	12" Plain End Piping System, 90 Degree Elbow	1,681.62	115.36
			<i>For Galvanized Fittings, Add</i>	301.74	
23 21	13 23-0661		Plain End Piping System, 45 Degree Elbows <small>(23 21 13 23-0648)</small>		
23 21	13 23-0662	EA	1" Plain End Piping System, 45 Degree Elbow	108.87	10.86
			<i>For Galvanized Fittings, Add</i>	18.52	
23 21	13 23-0663	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	117.24	16.44
			<i>For Galvanized Fittings, Add</i>	18.52	
23 21	13 23-0664	EA	2" Plain End Piping System, 45 Degree Elbow	125.15	21.72
			<i>For Galvanized Fittings, Add</i>	18.52	
23 21	13 23-0665	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	132.25	26.49
			<i>For Galvanized Fittings, Add</i>	18.52	
23 21	13 23-0666	EA	3" Plain End Piping System, 45 Degree Elbow	159.29	32.07
			<i>For Galvanized Fittings, Add</i>	22.24	
23 21	13 23-0667	EA	4" Plain End Piping System, 45 Degree Elbow	225.54	42.24
			<i>For Galvanized Fittings, Add</i>	32.44	
23 21	13 23-0668	EA	5" Plain End Piping System, 45 Degree Elbow	640.67	52.90
			<i>For Galvanized Fittings, Add</i>	112.27	
23 21	13 23-0669	EA	6" Plain End Piping System, 45 Degree Elbow	551.85	69.24
			<i>For Galvanized Fittings, Add</i>	89.62	
23 21	13 23-0670	EA	8" Plain End Piping System, 45 Degree Elbow	641.31	82.19
			<i>For Galvanized Fittings, Add</i>	103.60	
23 21	13 23-0671	EA	10" Plain End Piping System, 45 Degree Elbow	866.88	96.03
			<i>For Galvanized Fittings, Add</i>	144.59	
23 21	13 23-0672	EA	12" Plain End Piping System, 45 Degree Elbow	1,106.87	115.36
			<i>For Galvanized Fittings, Add</i>	186.79	
23 21	13 23-0673		Plain End Piping System, Tees <small>(23 21 13 23-0648)</small>		
23 21	13 23-0674	EA	1" Plain End Piping System, Tee	149.33	16.44
			<i>For Galvanized Fittings, Add</i>	24.94	
23 21	13 23-0675	EA	1-1/2" Plain End Piping System, Tee	161.68	24.70
			<i>For Galvanized Fittings, Add</i>	24.94	
23 21	13 23-0676	EA	2" Plain End Piping System, Tee	172.57	31.97
			<i>For Galvanized Fittings, Add</i>	24.94	
23 21	13 23-0677	EA	2-1/2" Plain End Piping System, Tee	183.42	39.15
			<i>For Galvanized Fittings, Add</i>	24.94	
23 21	13 23-0678	EA	3" Plain End Piping System, Tee	251.60	48.11
			<i>For Galvanized Fittings, Add</i>	35.88	
23 21	13 23-0679	EA	4" Plain End Piping System, Tee	342.81	62.26
			<i>For Galvanized Fittings, Add</i>	49.91	
23 21	13 23-0680	EA	5" Plain End Piping System, Tee	670.21	81.38
			<i>For Galvanized Fittings, Add</i>	109.63	
23 21	13 23-0681	EA	6" Plain End Piping System, Tee	829.29	101.90
			<i>For Galvanized Fittings, Add</i>	135.30	
23 21	13 23-0682	EA	8" Plain End Piping System, Tee	1,123.22	123.92
			<i>For Galvanized Fittings, Add</i>	187.47	
23 21	13 23-0683	EA	10" Plain End Piping System, Tee	1,648.00	144.44
			<i>For Galvanized Fittings, Add</i>	286.29	
23 21	13 23-0684	EA	12" Plain End Piping System, Tee	2,195.85	173.03
			<i>For Galvanized Fittings, Add</i>	387.29	
23 21	13 23-0685		Plain End Piping System, Reducing Tees <small>(23 21 13 23-0648)</small>		
23 21	13 23-0686	EA	1-1/2" Plain End Piping System, Reducing Tee	286.14	26.49
			<i>For Galvanized Fittings, Add</i>	49.29	
23 21	13 23-0687	EA	2" Plain End Piping System, Reducing Tee	294.33	31.97
			<i>For Galvanized Fittings, Add</i>	49.29	
23 21	13 23-0688	EA	2-1/2" Plain End Piping System, Reducing Tee	305.18	39.15
			<i>For Galvanized Fittings, Add</i>	49.29	
23 21	13 23-0689	EA	3" Plain End Piping System, Reducing Tee	318.62	48.11
			<i>For Galvanized Fittings, Add</i>	49.29	
23 21	13 23-0690	EA	4" Plain End Piping System, Reducing Tee	457.11	62.26
			<i>For Galvanized Fittings, Add</i>	72.77	
23 21	13 23-0691	EA	6" Plain End Piping System, Reducing Tee	770.60	101.90
			<i>For Galvanized Fittings, Add</i>	123.56	
23 21	13 23-0692	EA	8" Plain End Piping System, Reducing Tee	999.48	123.92
			<i>For Galvanized Fittings, Add</i>	162.73	
23 21	13 23-0693	EA	10" Plain End Piping System, Reducing Tee	1,470.89	144.44
			<i>For Galvanized Fittings, Add</i>	250.87	
23 21	13 23-0694	EA	12" Plain End Piping System, Reducing Tee	2,145.17	173.03
			<i>For Galvanized Fittings, Add</i>	377.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0695 Plain End Piping System, Wyes (23 21 13 23-0648)		
23 21 13 23-0696 EA 2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	413.09 73.04	31.97
23 21 13 23-0697 EA 2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	423.94 73.04	39.15
23 21 13 23-0698 EA 3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	482.69 82.10	48.11
23 21 13 23-0699 EA 4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	702.60 121.86	62.26
23 21 13 23-0700 EA 5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	863.54 148.29	81.38
23 21 13 23-0701 EA 6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,173.81 204.21	101.90
23 21 13 23-0702 EA 8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,508.15 264.46	123.92
23 21 13 23-0703 EA 10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,166.45 389.98	144.44
23 21 13 23-0704 EA 12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,265.36 601.19	173.03
23 21 13 23-0705 Plain End Piping System, Laterals (23 21 13 23-0648)		
23 21 13 23-0706 EA 2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	438.92 78.21	31.97
23 21 13 23-0707 EA 2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	449.77 78.21	39.15
23 21 13 23-0708 EA 3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	508.34 87.23	48.11
23 21 13 23-0709 EA 4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	751.60 131.66	62.26
23 21 13 23-0710 EA 5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	980.24 171.63	81.38
23 21 13 23-0711 EA 6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,248.89 219.22	101.90
23 21 13 23-0712 EA 8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,783.94 319.62	123.92
23 21 13 23-0713 EA 10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,472.44 451.18	144.44
23 21 13 23-0714 EA 12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	3,310.84 610.28	173.03
23 21 13 23-0715 Plain End Piping System, Crosses (23 21 13 23-0648)		
23 21 13 23-0716 EA 2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	496.35 53.07	47.91
23 21 13 23-0717 EA 2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	512.58 53.07	58.67
23 21 13 23-0718 EA 3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	600.73 61.56	72.22
23 21 13 23-0719 EA 4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	816.42 84.56	93.34
23 21 13 23-0720 EA 5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,143.99 120.11	122.13
23 21 13 23-0721 EA 6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,497.23 158.60	152.41
23 21 13 23-0722 EA 8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,904.40 203.46	184.58
23 21 13 23-0723 EA 10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,698.33 296.86	215.76
23 21 13 23-0724 EA 12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,813.55 428.05	259.60
23 21 13 23-0725 Plain End Piping System, Adapter Nipples (23 21 13 23-0648)		
Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0726 EA 1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	21.65 3.17	5.97
23 21 13 23-0727 EA 1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	25.48 3.26	8.26
23 21 13 23-0728 EA 2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	29.42 3.26	10.96
23 21 13 23-0729 EA 2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	35.18 3.82	13.25
23 21 13 23-0730 EA 3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	42.77 4.72	15.94
23 21 13 23-0731 EA 4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	63.40 7.88	21.22
23 21 13 23-0732 EA 6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	125.13 21.32	26.59
23 21 13 23-0733 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0648)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0734 EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	64.02 10.65	14.25
23 21 13 23-0735 EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	68.01 10.65	16.93
23 21 13 23-0736 EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	72.04 10.65	19.63
23 21 13 23-0737 EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	71.06 10.65	19.02
23 21 13 23-0738 EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	74.99 10.65	21.62
23 21 13 23-0739 EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	78.96 10.65	24.21
23 21 13 23-0740 EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	84.70 12.97	21.92
23 21 13 23-0741 EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	88.25 12.97	24.21
23 21 13 23-0742 EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	80.27 9.98	26.90
23 21 13 23-0743 EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	87.99 9.98	32.07
23 21 13 23-0744 EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	99.49 11.93	34.57
23 21 13 23-0745 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	113.79 18.24	27.20
23 21 13 23-0746 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	117.28 18.24	29.59
23 21 13 23-0747 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	103.60 13.81	32.28
23 21 13 23-0748 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	107.02 13.81	34.57
23 21 13 23-0749 EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	111.08 13.81	37.25
23 21 13 23-0750 EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	114.97 13.81	39.85
23 21 13 23-0751 EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	259.53 50.80	37.55
23 21 13 23-0752 EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	220.53 39.21	42.44
23 21 13 23-0753 EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	200.83 32.27	47.91
23 21 13 23-0754 EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	447.89 96.79	40.54
23 21 13 23-0755 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	451.34 96.79	42.83
23 21 13 23-0756 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	354.58 71.59	45.53
23 21 13 23-0757 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	358.12 71.59	47.91
23 21 13 23-0758 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	261.27 46.40	50.50
23 21 13 23-0759 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	264.89 46.40	52.90
23 21 13 23-0760 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	224.31 35.19	55.78
23 21 13 23-0761 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	252.93 40.34	61.06
23 21 13 23-0762 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	309.39 55.95	57.08
23 21 13 23-0763 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	317.43 55.95	62.46
23 21 13 23-0764 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	356.26 63.65	67.84
23 21 13 23-0765 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	399.12 71.35	75.81
23 21 13 23-0766 Plain End Piping System, Bull Plugs (23 21 13 23-0648)		
23 21 13 23-0767 EA 1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	114.83 31.76	5.97
23 21 13 23-0768 EA 1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	118.31 31.76	8.26
23 21 13 23-0769 EA 2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	122.25 31.76	10.96
23 21 13 23-0770 EA 2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	125.78 31.76	13.25
23 21 13 23-0771 EA 3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	179.08 46.55	15.94
23 21 13 23-0772 EA 4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	232.31 60.13	21.22
23 21 13 23-0773 EA 5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	394.06 106.27	26.59
23 21 13 23-0774 EA 6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	524.24 141.74	34.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 21 13 23-0775 EA 8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	949.98 266.47	41.14
				23 21 13 23-0776 EA 10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,684.60 483.73	48.11
				23 21 13 23-0777 EA 12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,566.26 743.88	57.77
23 21	13 23-0778			Carbon Steel Piping Systems <small>(23 21 13 23)</small>		
23 21	13 23-0779			Class 3,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0778)</small> Note: ASTM A105		
23 21	13 23-0780			90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0781 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	34.62	19.73
				23 21 13 23-0782 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	38.87	22.02
				23 21 13 23-0783 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	47.64	24.60
				23 21 13 23-0784 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	61.81	27.89
				23 21 13 23-0785 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	70.42	31.38
				23 21 13 23-0786 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	94.07	39.95
				23 21 13 23-0787 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	175.45	59.07
				23 21 13 23-0788 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	246.22	77.70
				23 21 13 23-0789 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	393.87	79.01
23 21	13 23-0790			45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0791 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	36.87	19.73
				23 21 13 23-0792 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	42.27	22.02
				23 21 13 23-0793 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	48.68	24.60
				23 21 13 23-0794 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	63.14	27.89
				23 21 13 23-0795 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	73.59	31.38
				23 21 13 23-0796 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	94.00	39.95
				23 21 13 23-0797 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	194.86	59.07
				23 21 13 23-0798 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	262.65	77.70
				23 21 13 23-0799 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	386.76	79.01
23 21	13 23-0800			Straight Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0801 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	42.69	24.60
				23 21 13 23-0802 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	50.94	28.39
				23 21 13 23-0803 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	65.12	33.57
				23 21 13 23-0804 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	83.97	39.95
				23 21 13 23-0805 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	101.35	47.62
				23 21 13 23-0806 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	132.02	59.07
				23 21 13 23-0807 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	221.16	77.70
				23 21 13 23-0808 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	295.48	92.24
				23 21 13 23-0809 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	518.73	99.75
23 21	13 23-0810			Reducing Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0811 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	43.30	24.60
				23 21 13 23-0812 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	51.58	28.39
				23 21 13 23-0813 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	65.88	33.57
				23 21 13 23-0814 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	85.77	39.95
				23 21 13 23-0815 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	103.47	47.62
				23 21 13 23-0816 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	135.27	59.07
				23 21 13 23-0817 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	228.88	77.70
				23 21 13 23-0818 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	306.59	92.24
				23 21 13 23-0819 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	479.18	99.75
23 21	13 23-0820			Straight Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0821 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	31.85	19.73
				23 21 13 23-0822 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	35.80	22.02
				23 21 13 23-0823 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	41.12	24.60
				23 21 13 23-0824 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	47.11	27.89
				23 21 13 23-0825 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	54.28	31.38
				23 21 13 23-0826 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	70.31	39.95
				23 21 13 23-0827 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	114.92	59.07
				23 21 13 23-0828 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	152.88	77.70
				23 21 13 23-0829 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	190.96	79.01
23 21	13 23-0830			Reducing Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0779)</small>		
				23 21 13 23-0831 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	33.10	19.73
				23 21 13 23-0832 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	37.18	22.02
				23 21 13 23-0833 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	43.32	24.60
				23 21 13 23-0834 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	49.77	27.89
				23 21 13 23-0835 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	58.22	31.38
				23 21 13 23-0836 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	74.53	39.95
				23 21 13 23-0837 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	124.21	59.07

23	Heating, Ventilating, And Air-Conditioning (HVAC)
23 20	HVAC Piping And Pumps
23 21	Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0838	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	171.57	77.70
23 21	13 23-0839	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	229.81	79.01
23 21	13 23-0840		Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21	13 23-0841	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	17.52	9.26
23 21	13 23-0842	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	19.59	9.86
23 21	13 23-0843	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	22.87	11.35
23 21	13 23-0844	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	26.07	12.36
23 21	13 23-0845	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	28.87	12.36
23 21	13 23-0846	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	37.39	15.84
23 21	13 23-0847	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	61.53	19.73
23 21	13 23-0848	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	86.13	23.81
23 21	13 23-0849	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	119.23	27.04
23 21	13 23-0850		Black Cast Iron Square Head Plug (23 21 13 23-0779)		
23 21	13 23-0851	EA	1/2" Square Head Plug, Black, Cast Iron	13.53	7.87
23 21	13 23-0852	EA	3/4" Square Head Plug, Black, Cast Iron	16.20	7.87
23 21	13 23-0853	EA	1" Square Head Plug, Black, Cast Iron	22.83	11.95
23 21	13 23-0854	EA	1-1/4" Square Head Plug, Black, Cast Iron	23.36	11.95
23 21	13 23-0855	EA	1-1/2" Square Head Plug, Black, Cast Iron	25.58	11.95
23 21	13 23-0856	EA	2" Square Head Plug, Black, Cast Iron	33.82	15.84
23 21	13 23-0857	EA	2-1/2" Square Head Plug, Black, Cast Iron	44.05	19.73
23 21	13 23-0858	EA	3" Square Head Plug, Black, Cast Iron	59.02	23.81
23 21	13 23-0859	EA	4" Square Head Plug, Black, Cast Iron	67.97	27.04
23 21	13 23-0860		Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0779)		
23 21	13 23-0861	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	49.95	24.60
23 21	13 23-0862	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	55.97	28.39
23 21	13 23-0863	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	69.90	33.57
23 21	13 23-0864	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	86.85	39.95
23 21	13 23-0865	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	104.40	47.62
23 21	13 23-0866	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	130.24	59.07
23 21	13 23-0867	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	202.99	64.15
23 21	13 23-0868	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	267.82	77.70
23 21	13 23-0869		Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0778)		
			Note: ASTM A105		
23 21	13 23-0870		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0871	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	37.33	19.73
23 21	13 23-0872	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	41.97	22.02
23 21	13 23-0873	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	53.35	24.60
23 21	13 23-0874	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	72.45	27.89
23 21	13 23-0875	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	82.80	31.38
23 21	13 23-0876	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	112.26	39.95
23 21	13 23-0877	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	221.60	59.07
23 21	13 23-0878	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	315.11	77.70
23 21	13 23-0879	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	540.16	79.01
23 21	13 23-0880		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0881	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	41.03	19.73
23 21	13 23-0882	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	47.50	22.02
23 21	13 23-0883	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	55.36	24.60
23 21	13 23-0884	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	75.23	27.89
23 21	13 23-0885	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	88.59	31.38
23 21	13 23-0886	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	113.36	39.95
23 21	13 23-0887	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	255.06	59.07
23 21	13 23-0888	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	345.39	77.70
23 21	13 23-0889	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	538.70	79.01
23 21	13 23-0890		Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0891	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	48.05	24.60
23 21	13 23-0892	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	58.70	28.39
23 21	13 23-0893	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	78.84	33.57
23 21	13 23-0894	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	106.34	39.95
23 21	13 23-0895	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	129.09	47.62
23 21	13 23-0896	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	172.28	59.07
23 21	13 23-0897	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	318.08	77.70
23 21	13 23-0898	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	441.01	92.24
23 21	13 23-0899	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	860.64	99.75
23 21	13 23-0900		Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0869)		
23 21	13 23-0901	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.30	24.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0902	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	51.58	28.39
23 21	13 23-0903	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	65.88	33.57
23 21	13 23-0904	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	85.77	39.95
23 21	13 23-0905	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	103.47	47.62
23 21	13 23-0906	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	135.27	59.07
23 21	13 23-0907	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	228.88	77.70
23 21	13 23-0908	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	306.59	92.24
23 21	13 23-0909	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	479.18	99.75
23 21	13 23-0910		Straight Couplings, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0869)</small>		
23 21	13 23-0911	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	32.98	19.73
23 21	13 23-0912	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	37.13	22.02
23 21	13 23-0913	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	43.17	24.60
23 21	13 23-0914	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	49.69	27.89
23 21	13 23-0915	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	57.75	31.38
23 21	13 23-0916	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	75.38	39.95
23 21	13 23-0917	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	127.68	59.07
23 21	13 23-0918	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	170.47	77.70
23 21	13 23-0919	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	226.05	79.01
23 21	13 23-0920		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0869)</small>		
23 21	13 23-0921	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	34.83	19.73
23 21	13 23-0922	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	39.16	22.02
23 21	13 23-0923	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	46.41	24.60
23 21	13 23-0924	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	53.60	27.89
23 21	13 23-0925	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	63.56	31.38
23 21	13 23-0926	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	81.58	39.95
23 21	13 23-0927	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	141.33	59.07
23 21	13 23-0928	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	197.99	77.70
23 21	13 23-0929	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	283.28	79.01
23 21	13 23-0930		Caps, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0869)</small>		
23 21	13 23-0931	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	20.00	9.26
23 21	13 23-0932	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	22.83	9.86
23 21	13 23-0933	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	26.79	11.35
23 21	13 23-0934	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.19	12.36
23 21	13 23-0935	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	35.86	12.36
23 21	13 23-0936	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	46.51	15.84
23 21	13 23-0937	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	83.01	19.73
23 21	13 23-0938	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	119.97	23.81
23 21	13 23-0939	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	171.99	27.04
23 21	13 23-0940		Black Cast Iron Square Head Plug <small>(23 21 13 23-0869)</small>		
23 21	13 23-0941	EA	1/2" Square Head Plug, Black Cast Iron.....	13.54	7.87
23 21	13 23-0942	EA	3/4" Square Head Plug, Black Cast Iron.....	16.23	7.87
23 21	13 23-0943	EA	1" Square Head Plug, Black Cast Iron.....	22.85	11.95
23 21	13 23-0944	EA	1-1/4" Square Head Plug, Black Cast Iron.....	23.39	11.95
23 21	13 23-0945	EA	1-1/2" Square Head Plug, Black Cast Iron.....	25.62	11.95
23 21	13 23-0946	EA	2" Square Head Plug, Black Cast Iron.....	33.87	15.84
23 21	13 23-0947	EA	2-1/2" Square Head Plug, Black Cast Iron.....	44.12	19.73
23 21	13 23-0948	EA	3" Square Head Plug, Black Cast Iron.....	59.14	23.81
23 21	13 23-0949	EA	4" Square Head Plug, Black Cast Iron.....	68.11	27.04
23 21	13 23-0950		Unions, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0869)</small>		
23 21	13 23-0951	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	57.93	24.60
23 21	13 23-0952	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	64.17	28.39
23 21	13 23-0953	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	81.87	33.57
23 21	13 23-0954	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	103.38	39.95
23 21	13 23-0955	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	124.57	47.62
23 21	13 23-0956	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	155.74	59.07
23 21	13 23-0957	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	268.27	64.15
23 21	13 23-0958	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	360.35	77.70
23 21	13 23-0959		Carbon Steel Piping System <small>(23 21 13 23-0778)</small>		
			Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21	13 23-0960		Schedule 40 Carbon Steel Piping <small>(23 21 13 23-0959)</small>		
			Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21	13 23-0961	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.08	3.69
			<i>For Schedule 80, Add</i>	0.56	
23 21	13 23-0962	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.45	3.98
			<i>For Schedule 80, Add</i>	0.51	
			<i>For Schedule 160, Add</i>	2.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0963 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40 <i>For Schedule 80, Add</i> <i>For Schedule 160, Add</i>	8.16 0.63 2.61	4.28
23 21 13 23-0964 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40 <i>For Schedule 80, Add</i> <i>For Schedule 160, Add</i>	8.76 0.64 2.69	4.69
23 21 13 23-0965 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 <i>For Schedule 80, Add</i> <i>For Schedule 160, Add</i>	11.31 0.95 3.96	5.78
23 21 13 23-0966 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40 <i>For Schedule 80, Add</i> <i>For Schedule 160, Add</i>	13.97 1.25 5.22	6.98

23 21 13 23-0967 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-0959)

23 21 13 23-0968 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	25.90	15.14
23 21 13 23-0969 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	30.97	17.74
23 21 13 23-0970 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	34.63	19.83
23 21 13 23-0971 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	39.37	22.11
23 21 13 23-0972 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	58.33	28.29
23 21 13 23-0973 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	73.96	35.97
23 21 13 23-0974 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.92	15.14
23 21 13 23-0975 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.36	17.74
23 21 13 23-0976 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	35.90	19.83
23 21 13 23-0977 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	42.13	22.11
23 21 13 23-0978 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	64.92	28.29
23 21 13 23-0979 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	81.24	35.97
23 21 13 23-0980 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	34.94	17.74
23 21 13 23-0981 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.41	19.83
23 21 13 23-0982 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	46.87	22.11
23 21 13 23-0983 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	78.24	28.29
23 21 13 23-0984 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	116.56	35.97

23 21 13 23-0985 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-0959)

23 21 13 23-0986 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.14	15.14
23 21 13 23-0987 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.80	17.74
23 21 13 23-0988 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	35.70	19.83
23 21 13 23-0989 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	40.19	22.11
23 21 13 23-0990 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	55.70	28.29
23 21 13 23-0991 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	78.02	35.97
23 21 13 23-0992 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	28.31	15.14
23 21 13 23-0993 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	32.74	17.74
23 21 13 23-0994 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.78	19.83
23 21 13 23-0995 EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	43.00	22.11
23 21 13 23-0996 EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	63.90	28.29
23 21 13 23-0997 EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	83.51	35.97
23 21 13 23-0998 EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	37.42	17.74
23 21 13 23-0999 EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	44.87	19.83
23 21 13 23-1000 EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	48.55	22.11
23 21 13 23-1001 EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	87.74	28.29
23 21 13 23-1002 EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	117.19	35.97

23 21 13 23-1003 Straight Tees, Screwed Carbon Steel (23 21 13 23-0959)

23 21 13 23-1004 EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	34.41	21.01
23 21 13 23-1005 EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	38.92	22.11
23 21 13 23-1006 EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	46.12	25.60
23 21 13 23-1007 EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	55.94	30.18
23 21 13 23-1008 EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	86.70	42.83
23 21 13 23-1009 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	107.49	53.20
23 21 13 23-1010 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	35.29	21.01
23 21 13 23-1011 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	39.49	22.11
23 21 13 23-1012 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	48.03	25.60
23 21 13 23-1013 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	57.58	30.18
23 21 13 23-1014 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	92.35	42.83
23 21 13 23-1015 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	116.84	53.20
23 21 13 23-1016 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	43.79	22.11
23 21 13 23-1017 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	52.64	25.60
23 21 13 23-1018 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	69.00	30.18
23 21 13 23-1019 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	105.32	42.83
23 21 13 23-1020 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	158.20	53.20

23 21 13 23-1021 Crosses, Screwed Carbon Steel (23 21 13 23-0959)

23 21 13 23-1022 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel	49.83	26.59
23 21 13 23-1023 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel	58.11	29.88
23 21 13 23-1024 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel	62.29	31.87
23 21 13 23-1025 EA 1" Cross, 2,000 LB, Screwed Carbon Steel	76.57	38.45
23 21 13 23-1026 EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	126.15	53.79
23 21 13 23-1027 EA 2" Cross, 2,000 LB, Screwed Carbon Steel	161.21	66.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1028 EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	59.18	29.88
23 21 13 23-1029 EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	68.46	31.87
23 21 13 23-1030 EA 1" Cross, 3,000 LB, Screwed Carbon Steel.....	81.96	38.45
23 21 13 23-1031 EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	133.94	53.79
23 21 13 23-1032 EA 2" Cross, 3,000 LB, Screwed Carbon Steel.....	175.45	66.44
23 21 13 23-1033 EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	79.30	29.88
23 21 13 23-1034 EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	123.37	31.87
23 21 13 23-1035 EA 1" Cross, 6,000 LB, Screwed Carbon Steel.....	166.59	38.45
23 21 13 23-1036 EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	259.78	53.79
23 21 13 23-1037 EA 2" Cross, 6,000 LB, Screwed Carbon Steel.....	288.60	66.44
23 21 13 23-1038 Straight Couplings, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1039 EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	24.68	15.14
23 21 13 23-1040 EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	28.34	17.74
23 21 13 23-1041 EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	32.19	19.83
23 21 13 23-1042 EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	36.90	22.11
23 21 13 23-1043 EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	51.69	28.29
23 21 13 23-1044 EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	65.62	35.97
23 21 13 23-1045 EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	27.26	15.14
23 21 13 23-1046 EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	29.98	17.74
23 21 13 23-1047 EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	33.44	19.83
23 21 13 23-1048 EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	38.57	22.11
23 21 13 23-1049 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	54.25	28.29
23 21 13 23-1050 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	74.94	35.97
23 21 13 23-1051 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1052 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	25.04	16.14
23 21 13 23-1053 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	29.19	17.74
23 21 13 23-1054 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	33.48	19.83
23 21 13 23-1055 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	38.69	22.11
23 21 13 23-1056 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	52.16	28.29
23 21 13 23-1057 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	68.13	35.97
23 21 13 23-1058 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	62.21	17.74
23 21 13 23-1059 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	65.38	19.83
23 21 13 23-1060 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	75.88	22.11
23 21 13 23-1061 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	107.17	28.29
23 21 13 23-1062 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	151.39	35.97
23 21 13 23-1063 Caps, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1064 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	7.05	3.69
23 21 13 23-1065 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	7.86	4.18
23 21 13 23-1066 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	9.42	4.79
23 21 13 23-1067 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	11.83	5.58
23 21 13 23-1068 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	15.60	6.68
23 21 13 23-1069 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	21.23	8.26
23 21 13 23-1070 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	10.14	3.69
23 21 13 23-1071 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	9.85	4.18
23 21 13 23-1072 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	12.65	4.79
23 21 13 23-1073 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	14.19	5.58
23 21 13 23-1074 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	25.22	6.68
23 21 13 23-1075 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	30.59	8.26
23 21 13 23-1076 Nipples, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1077 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	15.09	9.07
23 21 13 23-1078 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	15.40	9.46
23 21 13 23-1079 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel.....	15.33	9.46
23 21 13 23-1080 EA 1" Nipple, 2" Long, Screwed Carbon Steel.....	16.89	10.26
23 21 13 23-1081 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	18.96	11.06
23 21 13 23-1082 EA 2" Nipple, 2" Long, Screwed Carbon Steel.....	23.21	14.25
23 21 13 23-1083 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel.....	15.68	9.07
23 21 13 23-1084 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel.....	15.87	9.46
23 21 13 23-1085 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel.....	15.86	9.46
23 21 13 23-1086 EA 1" Nipple, 4" Long, Screwed Carbon Steel.....	17.60	10.26
23 21 13 23-1087 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	20.24	11.06
23 21 13 23-1088 EA 2" Nipple, 4" Long, Screwed Carbon Steel.....	25.08	14.25
23 21 13 23-1089 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel.....	17.10	9.07
23 21 13 23-1090 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel.....	16.62	9.46
23 21 13 23-1091 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel.....	16.69	9.46
23 21 13 23-1092 EA 1" Nipple, 6" Long, Screwed Carbon Steel.....	18.63	10.26
23 21 13 23-1093 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	21.98	11.06
23 21 13 23-1094 EA 2" Nipple, 6" Long, Screwed Carbon Steel.....	26.62	14.25
23 21 13 23-1095 Unions, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1096 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel.....	31.97	22.02
23 21 13 23-1097 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel.....	34.21	22.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1098 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel	39.36	25.60
23 21 13 23-1099 EA 1" Union, 3,000 LB, Screwed Carbon Steel	46.80	30.18
23 21 13 23-1100 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel	66.82	42.83
23 21 13 23-1101 EA 2" Union, 3,000 LB, Screwed Carbon Steel	82.92	53.20
23 21 13 23-1102 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel	45.67	22.02
23 21 13 23-1103 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel	50.77	22.11
23 21 13 23-1104 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel	59.41	25.60
23 21 13 23-1105 EA 1" Union, 6,000 LB, Screwed Carbon Steel	71.51	30.18
23 21 13 23-1106 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel	117.36	42.83
23 21 13 23-1107 EA 2" Union, 6,000 LB, Screwed Carbon Steel	145.11	53.20
23 21 13 23-1108 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1109 EA 1/2" Flange, 150 LB, Screwed Carbon Steel	69.02	41.14
23 21 13 23-1110 EA 3/4" Flange, 150 LB, Screwed Carbon Steel	72.24	43.13
23 21 13 23-1111 EA 1" Flange, 150 LB, Screwed Carbon Steel	75.05	45.02
23 21 13 23-1112 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel	83.82	50.71
23 21 13 23-1113 EA 2" Flange, 150 LB, Screwed Carbon Steel	87.14	52.90
23 21 13 23-1114 EA 1/2" Flange, 300 LB, Screwed Carbon Steel	69.48	41.14
For Ring Type Joint, Add	7.75	
For Blind Flange, Deduct	-26.24	
23 21 13 23-1115 EA 3/4" Flange, 300 LB, Screwed Carbon Steel	72.73	43.13
For Ring Type Joint, Add	8.01	
For Blind Flange, Deduct	-27.49	
23 21 13 23-1116 EA 1" Flange, 300 LB, Screwed Carbon Steel	75.79	45.02
For Ring Type Joint, Add	8.26	
For Blind Flange, Deduct	-28.66	
23 21 13 23-1117 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel	85.60	50.71
For Ring Type Joint, Add	9.56	
For Blind Flange, Deduct	-32.33	
23 21 13 23-1118 EA 2" Flange, 300 LB, Screwed Carbon Steel	88.92	52.90
For Ring Type Joint, Add	9.56	
For Blind Flange, Deduct	-33.66	
23 21 13 23-1119 EA 1/2" Flange, 600 LB, Screwed Carbon Steel	72.52	41.14
For Ring Type Joint, Add	10.79	
For Blind Flange, Deduct	-26.85	
23 21 13 23-1120 EA 3/4" Flange, 600 LB, Screwed Carbon Steel	75.51	43.13
For Ring Type Joint, Add	10.79	
For Blind Flange, Deduct	-28.05	
23 21 13 23-1121 EA 1" Flange, 600 LB, Screwed Carbon Steel	78.82	45.02
For Ring Type Joint, Add	11.29	
For Blind Flange, Deduct	-29.27	
23 21 13 23-1122 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel	89.34	50.71
For Ring Type Joint, Add	13.30	
For Blind Flange, Deduct	-33.08	
23 21 13 23-1123 EA 2" Flange, 600 LB, Screwed Carbon Steel	91.74	52.90
For Ring Type Joint, Add	12.38	
For Blind Flange, Deduct	-34.22	
23 21 13 23-1124 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1125 EA 1/4" Square Head Plug, Screwed Carbon Steel	5.71	2.79
23 21 13 23-1126 EA 1/2" Square Head Plug, Screwed Carbon Steel	6.83	3.29
23 21 13 23-1127 EA 3/4" Square Head Plug, Screwed Carbon Steel	7.98	3.78
23 21 13 23-1128 EA 1" Square Head Plug, Screwed Carbon Steel	11.61	5.58
23 21 13 23-1129 EA 1-1/2" Square Head Plug, Screwed Carbon Steel	15.64	5.58
23 21 13 23-1130 EA 2" Square Head Plug, Screwed Carbon Steel	23.02	7.27
23 21 13 23-1131 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1132 EA 1/4" Hex Head Plug, Screwed Carbon Steel	4.67	2.79
23 21 13 23-1133 EA 1/2" Hex Head Plug, Screwed Carbon Steel	5.64	3.29
23 21 13 23-1134 EA 3/4" Hex Head Plug, Screwed Carbon Steel	6.59	3.78
23 21 13 23-1135 EA 1" Hex Head Plug, Screwed Carbon Steel	9.68	5.58
23 21 13 23-1136 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel	11.18	5.58
23 21 13 23-1137 EA 2" Hex Head Plug, Screwed Carbon Steel	16.56	7.27
23 21 13 23-1138 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1139 EA 1/4" Round Head Plug, Screwed Carbon Steel	5.25	2.79
23 21 13 23-1140 EA 1/2" Round Head Plug, Screwed Carbon Steel	5.83	3.29
23 21 13 23-1141 EA 3/4" Round Head Plug, Screwed Carbon Steel	6.62	3.78
23 21 13 23-1142 EA 1" Round Head Plug, Screwed Carbon Steel	9.84	5.58
23 21 13 23-1143 EA 1-1/2" Round Head Plug, Screwed Carbon Steel	12.07	5.58
23 21 13 23-1144 EA 2" Round Head Plug, Screwed Carbon Steel	16.45	7.27
23 21 13 23-1145 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-0959)		
23 21 13 23-1146 EA 1/4" Hex Bushing, Screwed Carbon Steel	4.80	2.79
23 21 13 23-1147 EA 1/2" Hex Bushing, Screwed Carbon Steel	5.63	3.29
23 21 13 23-1148 EA 3/4" Hex Bushing, Screwed Carbon Steel	6.54	3.78
23 21 13 23-1149 EA 1" Hex Bushing, Screwed Carbon Steel	9.81	5.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1150	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	11.15	5.58
23 21	13 23-1151	EA	2" Hex Bushing, Screwed Carbon Steel	16.14	7.27
23 21	13 23-1152		90 Degree Street Elbows, Screwed Carbon Steel <small>(23 21 13 23-0959)</small>		
23 21	13 23-1153	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.17	15.14
23 21	13 23-1154	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.55	17.74
23 21	13 23-1155	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	38.71	19.83
23 21	13 23-1156	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.69	22.11
23 21	13 23-1157	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	66.98	28.29
23 21	13 23-1158	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	88.96	35.97
23 21	13 23-1159	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.91	17.74
23 21	13 23-1160	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	57.75	19.83
23 21	13 23-1161	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	76.54	22.11
23 21	13 23-1162	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	154.59	28.29
23 21	13 23-1163		Screwed Carbon Steel Laterals <small>(23 21 13 23-0959)</small>		
23 21	13 23-1164	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	97.68	22.11
23 21	13 23-1165	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	116.81	25.60
23 21	13 23-1166	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	142.28	30.18
23 21	13 23-1167	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	185.38	42.83
23 21	13 23-1168	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	231.08	53.20
23 21	13 23-1169	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	119.54	22.11
23 21	13 23-1170	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	149.33	25.60
23 21	13 23-1171	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	177.05	30.18
23 21	13 23-1172	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	249.30	42.83
23 21	13 23-1173		Grooved-Joint Pipe <small>(23 21 13 23)</small>		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.					
23 21	13 23-1174		Schedule 10 Black Grooved Pipe <small>(23 21 13 23-1173)</small>		
23 21	13 23-1175	LF	2" Black Schedule 10 Grooved Pipe	22.62	12.65
23 21	13 23-1176	LF	2-1/2" Black Schedule 10 Grooved Pipe	30.81	17.33
23 21	13 23-1177	LF	3" Black Schedule 10 Grooved Pipe	34.38	19.22
23 21	13 23-1178	LF	3-1/2" Black Schedule 10 Grooved Pipe	37.03	19.92
23 21	13 23-1179	LF	4" Black Schedule 10 Grooved Pipe	39.67	21.62
23 21	13 23-1180	LF	5" Black Schedule 10 Grooved Pipe	52.47	26.49
23 21	13 23-1181	LF	6" Black Schedule 10 Grooved Pipe	70.73	37.65
23 21	13 23-1182	LF	8" Black Schedule 10 Grooved Pipe	88.57	42.24
23 21	13 23-1183	LF	10" Black Schedule 10 Grooved Pipe	109.26	50.91
23 21	13 23-1184	LF	12" Black Schedule 10 Grooved Pipe	125.15	57.67
23 21	13 23-1185		Schedule 40 Black Grooved Pipe <small>(23 21 13 23-1173)</small>		
23 21	13 23-1186	LF	3/4" Black Schedule 40 Grooved Pipe	13.63	7.67
23 21	13 23-1187	LF	1" Black Schedule 40 Grooved Pipe	15.39	8.67
23 21	13 23-1188	LF	1-1/4" Black Schedule 40 Grooved Pipe	17.12	9.36
23 21	13 23-1189	LF	1-1/2" Black Schedule 40 Grooved Pipe	19.47	10.66
23 21	13 23-1190	LF	2" Black Schedule 40 Grooved Pipe	24.68	13.54
23 21	13 23-1191	LF	2-1/2" Black Schedule 40 Grooved Pipe	34.06	18.53
23 21	13 23-1192	LF	3" Black Schedule 40 Grooved Pipe	39.54	21.11
23 21	13 23-1193	LF	4" Black Schedule 40 Grooved Pipe	46.37	23.51
23 21	13 23-1194	LF	5" Black Schedule 40 Grooved Pipe	60.53	28.59
23 21	13 23-1195	LF	6" Black Schedule 40 Grooved Pipe	83.82	41.24
23 21	13 23-1196	LF	8" Black Schedule 40 Grooved Pipe	104.32	46.72
23 21	13 23-1197	LF	10" Black Schedule 40 Grooved Pipe	136.22	55.78
23 21	13 23-1198	LF	12" Black Schedule 40 Grooved Pipe	159.01	64.05
23 21	13 23-1199	LF	14" Black Schedule 40 Grooved Pipe	211.56	86.57
23 21	13 23-1200	LF	16" Black Schedule 40 Grooved Pipe	246.68	101.80
23 21	13 23-1201	LF	18" Black Schedule 40 Grooved Pipe	303.82	123.62
23 21	13 23-1202	LF	20" Black Schedule 40 Grooved Pipe	351.79	144.14
23 21	13 23-1203	LF	24" Black Schedule 40 Grooved Pipe	446.36	173.03
23 21	13 23-1204		Schedule 80 Black Grooved Pipe <small>(23 21 13 23-1173)</small>		
23 21	13 23-1205	LF	3/4" Black Schedule 80 Grooved Pipe	14.92	8.37
23 21	13 23-1206	LF	1" Black Schedule 80 Grooved Pipe	16.24	8.87
23 21	13 23-1207	LF	1-1/4" Black Schedule 80 Grooved Pipe	18.56	9.86
23 21	13 23-1208	LF	1-1/2" Black Schedule 80 Grooved Pipe	20.99	11.06
23 21	13 23-1209	LF	2" Black Schedule 80 Grooved Pipe	27.11	14.25
23 21	13 23-1210	LF	2-1/2" Black Schedule 80 Grooved Pipe	37.73	19.63
23 21	13 23-1211	LF	3" Black Schedule 80 Grooved Pipe	43.83	22.02
23 21	13 23-1212	LF	4" Black Schedule 80 Grooved Pipe	51.86	24.01
23 21	13 23-1213	LF	5" Black Schedule 80 Grooved Pipe	73.51	30.18
23 21	13 23-1214	LF	6" Black Schedule 80 Grooved Pipe	99.12	43.23
23 21	13 23-1215	LF	8" Black Schedule 80 Grooved Pipe	134.92	49.41
23 21	13 23-1216	LF	10" Black Schedule 80 Grooved Pipe	166.29	59.67
23 21	13 23-1217	LF	12" Black Schedule 80 Grooved Pipe	183.26	72.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1218			Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1173)		
23 21 13 23-1219	LF		3/4" Galvanized Schedule 40 Grooved Pipe.....	14.20	7.67
23 21 13 23-1220	LF		1" Galvanized Schedule 40 Grooved Pipe.....	16.28	8.67
23 21 13 23-1221	LF		1-1/4" Galvanized Schedule 40 Grooved Pipe.....	17.97	9.36
23 21 13 23-1222	LF		1-1/2" Galvanized Schedule 40 Grooved Pipe.....	20.44	10.66
23 21 13 23-1223	LF		2" Galvanized Schedule 40 Grooved Pipe.....	25.93	13.54
23 21 13 23-1224	LF		2-1/2" Galvanized Schedule 40 Grooved Pipe.....	35.97	18.53
23 21 13 23-1225	LF		3" Galvanized Schedule 40 Grooved Pipe.....	42.03	21.11
23 21 13 23-1226	LF		4" Galvanized Schedule 40 Grooved Pipe.....	49.89	23.51
23 21 13 23-1227	LF		5" Galvanized Schedule 40 Grooved Pipe.....	66.70	28.59
23 21 13 23-1228	LF		6" Galvanized Schedule 40 Grooved Pipe.....	91.96	41.24
23 21 13 23-1229	LF		8" Galvanized Schedule 40 Grooved Pipe.....	116.06	46.72
23 21 13 23-1230	LF		10" Galvanized Schedule 40 Grooved Pipe.....	155.88	55.78
23 21 13 23-1231	LF		12" Galvanized Schedule 40 Grooved Pipe.....	182.73	64.05
23 21 13 23-1232			Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1173)		
23 21 13 23-1233	LF		3/4" Galvanized Schedule 80 Grooved Pipe.....	15.37	8.37
23 21 13 23-1234	LF		1" Galvanized Schedule 80 Grooved Pipe.....	18.51	8.87
23 21 13 23-1235	LF		1-1/4" Galvanized Schedule 80 Grooved Pipe.....	19.38	9.86
23 21 13 23-1236	LF		1-1/2" Galvanized Schedule 80 Grooved Pipe.....	24.51	11.75
23 21 13 23-1237	LF		2" Galvanized Schedule 80 Grooved Pipe.....	28.43	14.25
23 21 13 23-1238	LF		2-1/2" Galvanized Schedule 80 Grooved Pipe.....	39.77	19.63
23 21 13 23-1239	LF		3" Galvanized Schedule 80 Grooved Pipe.....	46.66	22.02
23 21 13 23-1240	LF		4" Galvanized Schedule 80 Grooved Pipe.....	55.90	24.01
23 21 13 23-1241	LF		5" Galvanized Schedule 80 Grooved Pipe.....	79.60	30.18
23 21 13 23-1242	LF		6" Galvanized Schedule 80 Grooved Pipe.....	106.30	43.23
23 21 13 23-1243	LF		8" Galvanized Schedule 80 Grooved Pipe.....	147.29	49.41
23 21 13 23-1244	LF		10" Galvanized Schedule 80 Grooved Pipe.....	175.94	59.67
23 21 13 23-1245	LF		12" Galvanized Schedule 80 Grooved Pipe.....	198.15	72.12
23 21 13 23-1246			Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
			Note: Couplings are not included with fittings.		
23 21 13 23-1247			Grooved Elbows (23 21 13 23-1246)		
23 21 13 23-1248			90 Degree Grooved Elbows (23 21 13 23-1247)		
			Note: Victaulic No. 10		
23 21 13 23-1249	EA		3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	45.61	10.86
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1250	EA		1" 90 Degree Elbow, Ductile Iron, Grooved.....	45.61	10.86
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1251	EA		1-1/4" 90 Degree Elbow, Ductile Iron, Grooved.....	49.68	13.54
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1252	EA		1-1/2" 90 degree Elbow, Ductile Iron, Grooved.....	53.99	16.44
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1253	EA		2" 90 Degree Elbow, Ductile Iron, Grooved.....	61.89	21.72
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1254	EA		2-1/2" 90 Degree Elbow, Ductile Iron, Grooved.....	68.99	26.49
			For Galvanized Fittings, Add	9.68	
23 21 13 23-1255	EA		3" 90 Degree Elbow, Ductile Iron, Grooved.....	100.18	32.07
			For Galvanized Fittings, Add	17.20	
23 21 13 23-1256	EA		4" 90 Degree Elbow, Ductile Iron, Grooved.....	120.19	42.34
			For Galvanized Fittings, Add	18.73	
23 21 13 23-1257	EA		5" 90 Degree Elbow, Ductile Iron, Grooved.....	217.45	52.90
			For Galvanized Fittings, Add	45.59	
23 21 13 23-1258	EA		6" 90 Degree Elbow, Ductile Iron, Grooved.....	264.31	69.24
			For Galvanized Fittings, Add	52.98	
23 21 13 23-1259	EA		8" 90 Degree Elbow, Ductile Iron, Grooved.....	461.42	82.38
			For Galvanized Fittings, Add	111.50	
23 21 13 23-1260	EA		10" 90 Degree Elbow, Ductile Iron, Grooved.....	670.56	96.13
			For Galvanized Fittings, Add	173.73	
23 21 13 23-1261	EA		12" 90 Degree Elbow, Ductile Iron, Grooved.....	1,016.74	115.36
			For Galvanized Fittings, Add	278.45	
23 21 13 23-1262	EA		14" 90 Degree Elbow, Steel, Grooved.....	1,950.06	130.20
			For Galvanized Fittings, Add	579.09	
23 21 13 23-1263	EA		16" 90 Degree Elbow, Steel, Grooved.....	2,512.35	144.14
			For Galvanized Fittings, Add	757.74	
23 21 13 23-1264	EA		18" 90 Degree Elbow, Steel, Grooved.....	3,148.32	157.49
			For Galvanized Fittings, Add	961.04	
23 21 13 23-1265	EA		20" 90 Degree Elbow, Steel, Grooved.....	4,072.58	163.77
			For Galvanized Fittings, Add	1,262.90	
23 21 13 23-1266	EA		24" 90 Degree Elbow, Steel, Grooved.....	5,797.37	193.65
			For Galvanized Fittings, Add	1,817.35	
23 21 13 23-1267			45 Degree Grooved Elbows (23 21 13 23-1247)		
			Note: Victaulic No. 11		
23 21 13 23-1268	EA		3/4" 45 Degree Elbow, Ductile Iron, Grooved.....	45.59	10.86
			For Galvanized Fittings, Add	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1269 EA 1" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	45.59 7.03	10.86
23 21 13 23-1270 EA 1-1/4" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	49.66 7.03	13.54
23 21 13 23-1271 EA 1-1/2" 45 degree Elbow, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	53.97 7.03	16.44
23 21 13 23-1272 EA 2" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	61.87 7.03	21.72
23 21 13 23-1273 EA 2-1/2" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	68.97 7.03	26.49
23 21 13 23-1274 EA 3" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	100.15 12.50	32.07
23 21 13 23-1275 EA 4" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	120.19 13.62	42.34
23 21 13 23-1276 EA 5" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	217.45 33.15	52.90
23 21 13 23-1277 EA 6" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	264.31 38.53	69.24
23 21 13 23-1278 EA 8" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	461.42 81.09	82.38
23 21 13 23-1279 EA 10" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	670.56 126.35	96.13
23 21 13 23-1280 EA 12" 45 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,016.74 202.51	115.36
23 21 13 23-1281 EA 14" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,950.06 421.15	130.20
23 21 13 23-1282 EA 16" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,512.35 551.09	144.14
23 21 13 23-1283 EA 18" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,148.32 698.94	157.49
23 21 13 23-1284 EA 20" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,073.01 918.48	164.07
23 21 13 23-1285 EA 24" 45 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,797.37 1,321.71	193.65
23 21 13 23-1286 22-1/2 Degree Grooved Elbows (23 21 13 23-1247)		
Note: Victaulic No. 12		
23 21 13 23-1287 EA 1" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	47.52 7.50	10.86
23 21 13 23-1288 EA 1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	51.59 7.50	13.54
23 21 13 23-1289 EA 1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	55.90 7.50	16.44
23 21 13 23-1290 EA 2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	63.80 7.50	21.72
23 21 13 23-1291 EA 2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	70.90 7.50	26.49
23 21 13 23-1292 EA 3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	93.76 10.97	32.07
23 21 13 23-1293 EA 4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	124.71 14.70	42.34
23 21 13 23-1294 EA 5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	269.30 45.60	52.90
23 21 13 23-1295 EA 6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	277.33 41.66	69.24
23 21 13 23-1296 EA 8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	486.68 87.16	82.38
23 21 13 23-1297 EA 10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	642.69 119.66	96.13
23 21 13 23-1298 EA 12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	846.96 161.76	115.36
23 21 13 23-1299 EA 14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	973.76 186.84	130.20
23 21 13 23-1300 EA 16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,149.87 224.09	144.14
23 21 13 23-1301 EA 18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,366.88 271.39	157.49
23 21 13 23-1302 EA 20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,582.50 320.86	163.77
23 21 13 23-1303 EA 24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,086.76 431.16	193.65
23 21 13 23-1304 11-1/4 Degree Grooved Elbows (23 21 13 23-1247)		
Note: Victaulic No. 13		
23 21 13 23-1305 EA 1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	47.52 7.50	10.86
23 21 13 23-1306 EA 1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	51.59 7.50	13.54
23 21 13 23-1307 EA 1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	55.90 7.50	16.44
23 21 13 23-1308 EA 2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	63.80 7.50	21.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1309 EA 2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved.....	70.90	26.49
For Galvanized Fittings, Add	7.50	
23 21 13 23-1310 EA 3" 11-1/4 Degree Elbow, Ductile Iron, Grooved.....	93.76	32.07
For Galvanized Fittings, Add	10.97	
23 21 13 23-1311 EA 4" 11-1/4 Degree Elbow, Ductile Iron, Grooved.....	124.70	42.34
For Galvanized Fittings, Add	14.70	
23 21 13 23-1312 EA 5" 11-1/4 Degree Elbow, Steel, Grooved.....	269.29	52.90
For Galvanized Fittings, Add	45.60	
23 21 13 23-1313 EA 6" 11-1/4 Degree Elbow, Ductile Iron, Grooved.....	277.32	69.24
For Galvanized Fittings, Add	41.65	
23 21 13 23-1314 EA 8" 11-1/4 Degree Elbow, Ductile Iron, Grooved.....	486.66	82.38
For Galvanized Fittings, Add	87.15	
23 21 13 23-1315 EA 10" 11-1/4 Degree Elbow, Steel, Grooved.....	642.66	96.13
For Galvanized Fittings, Add	119.65	
23 21 13 23-1316 EA 12" 11-1/4 Degree Elbow, Steel, Grooved.....	846.92	115.36
For Galvanized Fittings, Add	161.76	
23 21 13 23-1317 EA 14" 11-1/4 Degree Elbow, Steel, Grooved.....	973.72	130.20
For Galvanized Fittings, Add	186.83	
23 21 13 23-1318 EA 16" 11-1/4 Degree Elbow, Steel, Grooved.....	1,149.85	144.24
For Galvanized Fittings, Add	224.08	
23 21 13 23-1319 EA 18" 11-1/4 Degree Elbow, Steel, Grooved.....	1,366.79	157.49
For Galvanized Fittings, Add	271.38	
23 21 13 23-1320 EA 20" 11-1/4 Degree Elbow, Steel, Grooved.....	1,582.43	163.77
For Galvanized Fittings, Add	320.84	
23 21 13 23-1321 EA 24" 11-1/4 Degree Elbow, Steel, Grooved.....	2,086.66	193.65
For Galvanized Fittings, Add	431.14	
23 21 13 23-1322 90 Degree Grooved Long Radius Elbows (23 21 13 23-1247)		
Note: Victaulic No. 100		
23 21 13 23-1323 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	99.61	21.72
For Galvanized Fittings, Add	16.09	
23 21 13 23-1324 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved.....	234.23	26.49
For Galvanized Fittings, Add	46.70	
23 21 13 23-1325 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	115.12	32.07
For Galvanized Fittings, Add	16.09	
23 21 13 23-1326 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	163.89	42.34
For Galvanized Fittings, Add	24.11	
23 21 13 23-1327 EA 5" 90 Degree Long Radius Elbow, Steel Grooved.....	594.16	52.90
For Galvanized Fittings, Add	123.56	
23 21 13 23-1328 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	397.61	69.24
For Galvanized Fittings, Add	70.52	
23 21 13 23-1329 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	828.37	82.38
For Galvanized Fittings, Add	169.16	
23 21 13 23-1330 EA 10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	1,605.54	96.13
For Galvanized Fittings, Add	350.74	
23 21 13 23-1331 EA 12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved.....	1,915.69	115.36
For Galvanized Fittings, Add	418.26	
23 21 13 23-1332 Grooved Tees, Wyes And Crosses (23 21 13 23-1246)		
23 21 13 23-1333 Grooved Tees (23 21 13 23-1332)		
Note: Victaulic No. 20		
23 21 13 23-1334 EA 3/4" Tee, Ductile Iron, Grooved.....	66.24	14.25
For Galvanized Fittings, Add	13.45	
23 21 13 23-1335 EA 1" Tee, Ductile Iron, Grooved.....	69.48	16.44
For Galvanized Fittings, Add	13.45	
23 21 13 23-1336 EA 1-1/4" Tee, Ductile Iron, Grooved.....	74.96	20.12
For Galvanized Fittings, Add	13.45	
23 21 13 23-1337 EA 1-1/2" Tee, Ductile Iron, Grooved.....	81.81	24.70
For Galvanized Fittings, Add	13.45	
23 21 13 23-1338 EA 2" Tee, Ductile Iron, Grooved.....	92.69	31.97
For Galvanized Fittings, Add	13.45	
23 21 13 23-1339 EA 2-1/2" Tee, Ductile Iron, Grooved.....	103.57	39.15
For Galvanized Fittings, Add	13.45	
23 21 13 23-1340 EA 3" Tee, Ductile Iron, Grooved.....	134.88	48.11
For Galvanized Fittings, Add	18.83	
23 21 13 23-1341 EA 4" Tee, Ductile Iron, Grooved.....	189.61	62.26
For Galvanized Fittings, Add	28.89	
23 21 13 23-1342 EA 5" Tee, Ductile Iron, Grooved.....	347.97	81.38
For Galvanized Fittings, Add	67.79	
23 21 13 23-1343 EA 6" Tee, Ductile Iron, Grooved.....	413.73	101.80
For Galvanized Fittings, Add	78.34	
23 21 13 23-1344 EA 8" Tee, Ductile Iron, Grooved.....	755.72	123.62
For Galvanized Fittings, Add	171.13	
23 21 13 23-1345 EA 10" Tee, Ductile Iron, Grooved.....	1,234.77	144.14
For Galvanized Fittings, Add	305.58	
23 21 13 23-1346 EA 12" Tee, Ductile Iron, Grooved.....	1,685.47	173.03
For Galvanized Fittings, Add	427.82	
23 21 13 23-1347 EA 14" Tee, Steel, Grooved.....	1,843.92	192.25
For Galvanized Fittings, Add	466.71	
23 21 13 23-1348 EA 16" Tee, Steel, Grooved.....	2,271.53	193.35
For Galvanized Fittings, Add	594.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1349 EA 18" Tee, Steel, Grooved	2,801.41	213.28
<i>For Galvanized Fittings, Add</i>	744.51	
23 21 13 23-1350 EA 20" Tee, Steel, Grooved	3,880.62	216.67
<i>For Galvanized Fittings, Add</i>	1,066.76	
23 21 13 23-1351 EA 24" Tee, Steel, Grooved	5,862.51	266.17
<i>For Galvanized Fittings, Add</i>	1,639.03	
23 21 13 23-1352 Grooved Wyes (90 Degree True Wye) <small>(23 21 13 23-1332)</small>		
Note: Victaulic No. 33		
23 21 13 23-1353 EA 1" Wye, Steel, Grooved	213.76	16.44
<i>For Galvanized Fittings, Add</i>	30.26	
23 21 13 23-1354 EA 1-1/4" Wye, Steel, Grooved	219.24	20.12
<i>For Galvanized Fittings, Add</i>	30.26	
23 21 13 23-1355 EA 1-1/2" Wye, Steel, Grooved	226.09	24.70
<i>For Galvanized Fittings, Add</i>	30.26	
23 21 13 23-1356 EA 2" Wye, Steel, Grooved	236.97	31.97
<i>For Galvanized Fittings, Add</i>	30.26	
23 21 13 23-1357 EA 2-1/2" Wye, Steel, Grooved	247.85	39.15
<i>For Galvanized Fittings, Add</i>	30.26	
23 21 13 23-1358 EA 3" Wye, Steel, Grooved	298.14	48.11
<i>For Galvanized Fittings, Add</i>	36.17	
23 21 13 23-1359 EA 4" Wye, Steel, Grooved	389.38	62.26
<i>For Galvanized Fittings, Add</i>	47.37	
23 21 13 23-1360 EA 5" Wye, Steel, Grooved	546.40	81.38
<i>For Galvanized Fittings, Add</i>	67.90	
23 21 13 23-1361 EA 6" Wye, Steel, Grooved	677.68	101.80
<i>For Galvanized Fittings, Add</i>	84.01	
23 21 13 23-1362 EA 8" Wye, Steel, Grooved	941.56	123.62
<i>For Galvanized Fittings, Add</i>	121.00	
23 21 13 23-1363 EA 10" Wye, Steel, Grooved	1,521.46	144.14
<i>For Galvanized Fittings, Add</i>	208.85	
23 21 13 23-1364 EA 12" Wye, Steel, Grooved	1,701.47	173.03
<i>For Galvanized Fittings, Add</i>	230.73	
23 21 13 23-1365 EA 14" Wye, Steel, Grooved	1,934.89	192.25
<i>For Galvanized Fittings, Add</i>	263.47	
23 21 13 23-1366 EA 16" Wye, Steel, Grooved	2,428.38	193.15
<i>For Galvanized Fittings, Add</i>	342.21	
23 21 13 23-1367 EA 18" Wye, Steel, Grooved	2,766.63	213.48
<i>For Galvanized Fittings, Add</i>	391.44	
23 21 13 23-1368 EA 20" Wye, Steel, Grooved	3,872.57	216.26
<i>For Galvanized Fittings, Add</i>	567.73	
23 21 13 23-1369 EA 24" Wye, Steel, Grooved	5,915.70	266.17
<i>For Galvanized Fittings, Add</i>	882.66	
23 21 13 23-1370 Grooved Crosses <small>(23 21 13 23-1332)</small>		
Note: Victaulic No. 35		
23 21 13 23-1371 EA 3/4" Cross, Steel, Grooved	154.55	21.42
<i>For Galvanized Fittings, Add</i>	18.36	
23 21 13 23-1372 EA 1" Cross, Steel, Grooved	159.42	24.70
<i>For Galvanized Fittings, Add</i>	18.36	
23 21 13 23-1373 EA 1-1/4" Cross, Steel, Grooved	192.99	30.18
<i>For Galvanized Fittings, Add</i>	22.17	
23 21 13 23-1374 EA 1-1/2" Cross, Steel, Grooved	214.71	37.06
<i>For Galvanized Fittings, Add</i>	23.88	
23 21 13 23-1375 EA 2" Cross, Steel, Grooved	161.79	47.91
<i>For Galvanized Fittings, Add</i>	13.50	
23 21 13 23-1376 EA 2-1/2" Cross, Steel, Grooved	178.11	58.77
<i>For Galvanized Fittings, Add</i>	13.50	
23 21 13 23-1377 EA 3" Cross, Steel, Grooved	269.84	72.12
<i>For Galvanized Fittings, Add</i>	24.25	
23 21 13 23-1378 EA 4" Cross, Steel, Grooved	409.12	93.34
<i>For Galvanized Fittings, Add</i>	40.37	
23 21 13 23-1379 EA 5" Cross, Steel, Grooved	732.89	122.03
<i>For Galvanized Fittings, Add</i>	82.48	
23 21 13 23-1380 EA 6" Cross, Steel, Grooved	936.36	152.71
<i>For Galvanized Fittings, Add</i>	106.12	
23 21 13 23-1381 EA 8" Cross, Steel, Grooved	1,209.67	185.39
<i>For Galvanized Fittings, Add</i>	139.76	
23 21 13 23-1382 EA 10" Cross, Steel, Grooved	1,913.39	216.26
<i>For Galvanized Fittings, Add</i>	238.37	
23 21 13 23-1383 EA 12" Cross, Steel, Grooved	2,682.35	259.60
<i>For Galvanized Fittings, Add</i>	343.98	
23 21 13 23-1384 EA 14" Cross, Steel, Grooved	2,808.26	288.38
<i>For Galvanized Fittings, Add</i>	356.39	
23 21 13 23-1385 EA 16" Cross, Steel, Grooved	3,542.91	290.07
<i>For Galvanized Fittings, Add</i>	466.21	
23 21 13 23-1386 EA 18" Cross, Steel, Grooved	4,289.31	319.87
<i>For Galvanized Fittings, Add</i>	571.46	
23 21 13 23-1387 EA 20" Cross, Steel, Grooved	5,884.40	324.84
<i>For Galvanized Fittings, Add</i>	809.60	
23 21 13 23-1388 EA 24" Cross, Steel, Grooved	8,930.95	399.26
<i>For Galvanized Fittings, Add</i>	1,249.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1389			Grooved Reducing Tees (23 21 13 23-1332) Note: Victaulic No. 25		
	EA		1" Reducing Tee, Steel, Grooved	111.14	16.44
			<i>For Galvanized Fittings, Add</i>	17.30	
23 21 13 23-1391	EA		1-1/4" Reducing Tee, Steel, Grooved	119.33	20.12
			<i>For Galvanized Fittings, Add</i>	17.84	
23 21 13 23-1392	EA		1-1/2" Reducing Tee, Steel, Grooved	128.41	24.70
			<i>For Galvanized Fittings, Add</i>	18.28	
23 21 13 23-1393	EA		2" Reducing Tee, Steel, Grooved	154.89	31.97
			<i>For Galvanized Fittings, Add</i>	21.40	
23 21 13 23-1394	EA		2-1/2" Reducing Tee, Steel, Grooved	176.78	39.15
			<i>For Galvanized Fittings, Add</i>	23.61	
23 21 13 23-1395	EA		3" Reducing Tee, Steel, Grooved	201.30	48.11
			<i>For Galvanized Fittings, Add</i>	25.84	
23 21 13 23-1396	EA		4" Reducing Tee, Steel, Grooved	267.55	62.26
			<i>For Galvanized Fittings, Add</i>	34.85	
23 21 13 23-1397	EA		5" Reducing Tee, Steel, Grooved	352.09	81.38
			<i>For Galvanized Fittings, Add</i>	46.01	
23 21 13 23-1398	EA		6" Reducing Tee, Steel, Grooved	476.25	101.80
			<i>For Galvanized Fittings, Add</i>	64.73	
23 21 13 23-1399	EA		8" Reducing Tee, Steel, Grooved	719.32	123.62
			<i>For Galvanized Fittings, Add</i>	106.80	
23 21 13 23-1400	EA		10" Reducing Tee, Steel, Grooved	1,003.43	144.14
			<i>For Galvanized Fittings, Add</i>	157.45	
23 21 13 23-1401	EA		12" Reducing Tee, Steel, Grooved	1,420.75	173.03
			<i>For Galvanized Fittings, Add</i>	232.27	
23 21 13 23-1402	EA		14" Reducing Tee, Steel, Grooved	1,607.25	192.25
			<i>For Galvanized Fittings, Add</i>	263.80	
23 21 13 23-1403	EA		16" Reducing Tee, Steel, Grooved	2,003.29	193.35
			<i>For Galvanized Fittings, Add</i>	342.68	
23 21 13 23-1404	EA		18" Reducing Tee, Steel, Grooved	2,417.29	213.28
			<i>For Galvanized Fittings, Add</i>	419.52	
23 21 13 23-1405	EA		20" Reducing Tee, Steel, Grooved	3,324.65	216.56
			<i>For Galvanized Fittings, Add</i>	599.99	
23 21 13 23-1406	EA		24" Reducing Tee, Steel, Grooved	5,231.40	266.17
			<i>For Galvanized Fittings, Add</i>	966.46	
23 21 13 23-1407			Grooved 45 Degree Lateral Wyes (23 21 13 23-1332) Note: Victaulic No. 30		
23 21 13 23-1408	EA		3/4" 45 Degree Lateral Wye, Steel, Grooved	200.50	14.25
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1409	EA		1" 45 Degree Lateral Wye, Steel, Grooved	203.74	16.44
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1410	EA		1-1/4" 45 Degree Lateral Wye, Steel, Grooved	209.22	20.12
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1411	EA		1-1/2" 45 Degree Lateral Wye, Steel, Grooved	216.07	24.70
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1412	EA		2" 45 Degree Lateral Wye, Steel, Grooved	226.95	31.97
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1413	EA		2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	237.83	39.15
			<i>For Galvanized Fittings, Add</i>	32.23	
23 21 13 23-1414	EA		3" Wye, 45 Degree Lateral, Steel, Grooved	226.81	48.11
			<i>For Galvanized Fittings, Add</i>	27.85	
23 21 13 23-1415	EA		3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	345.23	55.48
			<i>For Galvanized Fittings, Add</i>	47.18	
23 21 13 23-1416	EA		4" 45 Degree Lateral Wye, Steel, Grooved	398.42	62.26
			<i>For Galvanized Fittings, Add</i>	54.92	
23 21 13 23-1417	EA		5" 45 Degree Lateral Wye, Steel, Grooved	567.93	81.38
			<i>For Galvanized Fittings, Add</i>	80.26	
23 21 13 23-1418	EA		6" 45 Degree Lateral Wye, Steel, Grooved	871.04	101.80
			<i>For Galvanized Fittings, Add</i>	129.32	
23 21 13 23-1419	EA		8" 45 Degree Lateral Wye, Steel, Grooved	1,220.11	123.62
			<i>For Galvanized Fittings, Add</i>	186.27	
23 21 13 23-1420	EA		10" 45 Degree Lateral Wye, Steel, Grooved	1,676.78	144.14
			<i>For Galvanized Fittings, Add</i>	262.91	
23 21 13 23-1421	EA		12" 45 Degree Lateral Wye, Steel, Grooved	2,025.37	173.03
			<i>For Galvanized Fittings, Add</i>	317.87	
23 21 13 23-1422	EA		14" 45 Degree Lateral Wye, Steel, Grooved	2,865.75	192.25
			<i>For Galvanized Fittings, Add</i>	463.95	
23 21 13 23-1423	EA		16" 45 Degree Lateral Wye, Steel, Grooved	3,509.92	193.35
			<i>For Galvanized Fittings, Add</i>	579.60	
23 21 13 23-1424	EA		18" 45 Degree Lateral Wye, Steel, Grooved	3,919.26	213.28
			<i>For Galvanized Fittings, Add</i>	647.92	
23 21 13 23-1425	EA		20" 45 Degree Lateral Wye, Steel, Grooved	5,784.66	216.56
			<i>For Galvanized Fittings, Add</i>	982.79	
23 21 13 23-1426	EA		24" 45 Degree Lateral Wye, Steel, Grooved	8,883.47	266.17
			<i>For Galvanized Fittings, Add</i>	1,527.19	
23 21 13 23-1427			Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1332) Note: Victaulic No. 30R		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1428 EA 3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	226.81 20.11	48.11
23 21 13 23-1429 EA 4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	398.42 39.66	62.26
23 21 13 23-1430 EA 5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	567.93 57.97	81.38
23 21 13 23-1431 EA 6" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	728.71 74.89	101.80
23 21 13 23-1432 EA 8" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,016.97 108.12	123.62
23 21 13 23-1433 EA 10" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,234.74 132.41	144.14
23 21 13 23-1434 EA 12" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,497.23 160.92	173.03
23 21 13 23-1435 EA 14" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,674.89 180.27	192.25
23 21 13 23-1436 EA 16" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,082.29 233.01	193.35
23 21 13 23-1437 EA 18" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,071.88 357.79	213.28
23 21 13 23-1438 EA 20" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,353.19 523.71	216.56
23 21 13 23-1439 EA 24" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,921.38 847.90	266.17
23 21 13 23-1440 Mechanical-T Outlet <small>(23 21 13 23-1332)</small>		
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1441 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	101.50 7.39	35.86
23 21 13 23-1442 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	101.50 7.39	35.86
23 21 13 23-1443 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	106.15 8.54	35.86
23 21 13 23-1444 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	106.15	35.86
23 21 13 23-1445 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	110.47	40.35
23 21 13 23-1446 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	110.47	40.35
23 21 13 23-1447 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	122.75	40.35
23 21 13 23-1448 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	123.95	44.82
23 21 13 23-1449 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	123.95	44.82
23 21 13 23-1450 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	133.84	44.82
23 21 13 23-1451 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	133.84	44.82
23 21 13 23-1452 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	140.60	44.82
23 21 13 23-1453 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	163.27	59.76
23 21 13 23-1454 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	163.27	59.76
23 21 13 23-1455 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	170.98	59.76
23 21 13 23-1456 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	173.15	59.76
23 21 13 23-1457 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	173.15	59.76
23 21 13 23-1458 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	175.31	59.76
23 21 13 23-1459 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	179.46	59.76
23 21 13 23-1460 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	230.20	82.19
23 21 13 23-1461 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	230.20	82.19
23 21 13 23-1462 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	233.94	82.19
23 21 13 23-1463 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	238.63	82.19
23 21 13 23-1464 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	276.56	104.60
23 21 13 23-1465 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	276.56	104.60
23 21 13 23-1466 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	282.07	104.60
23 21 13 23-1467 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	286.71	104.60
23 21 13 23-1468 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	294.97	104.60
23 21 13 23-1469 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	396.15	138.46
23 21 13 23-1470 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	396.15	138.46
23 21 13 23-1471 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	402.78	138.46
23 21 13 23-1472 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	406.71	138.46
23 21 13 23-1473 Grooved Fittings <small>(23 21 13 23-1246)</small>		
23 21 13 23-1474 Flanged Adapter Nipple, Grooved <small>(23 21 13 23-1473)</small>		
Note: Victaulic No. 41 and 45		
23 21 13 23-1475 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	143.96 22.69 18.90	11.95
23 21 13 23-1476 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	145.96 22.69 18.90	13.25
23 21 13 23-1477 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	150.94 22.69 18.90	16.64
23 21 13 23-1478 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	161.41 22.69 18.90	23.61

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1479 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	168.90	28.59
For Galvanized Fittings, Add	22.69	
For 300 LB Rating, Add	18.90	
23 21 13 23-1480 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	212.43	34.17
For Galvanized Fittings, Add	29.03	
For 300 LB Rating, Add	24.19	
23 21 13 23-1481 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	261.28	46.02
For Galvanized Fittings, Add	34.62	
For 300 LB Rating, Add	28.85	
23 21 13 23-1482 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	358.30	55.68
For Galvanized Fittings, Add	49.47	
For 300 LB Rating, Add	41.22	
23 21 13 23-1483 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	426.34	75.21
For Galvanized Fittings, Add	56.44	
For 300 LB Rating, Add	47.03	
23 21 13 23-1484 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	585.40	101.80
For Galvanized Fittings, Add	77.90	
For 300 LB Rating, Add	64.92	
23 21 13 23-1485 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	891.57	123.62
For Galvanized Fittings, Add	127.13	
For 300 LB Rating, Add	105.94	
23 21 13 23-1486 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,181.86	144.14
For Galvanized Fittings, Add	173.82	
For 300 LB Rating, Add	144.85	
23 21 13 23-1487 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,398.23	173.03
For Galvanized Fittings, Add	204.99	
For 300 LB Rating, Add	170.82	
23 21 13 23-1488 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,042.03	192.25
For Galvanized Fittings, Add	315.68	
For 300 LB Rating, Add	263.07	
23 21 13 23-1489 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,492.34	288.38
For Galvanized Fittings, Add	370.80	
For 300 LB Rating, Add	309.00	
23 21 13 23-1490 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,665.99	346.06
For Galvanized Fittings, Add	386.49	
For 300 LB Rating, Add	322.08	
23 21 13 23-1491 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,280.60	384.52
For Galvanized Fittings, Add	666.74	
For 300 LB Rating, Add	555.62	
23 21 13 23-1492 Grooved Concentric Reducers (23 21 13 23-1473)		
Note: Victaulic No. 50		
23 21 13 23-1493 EA 1-1/4" x 3/4" Concentric Reducer, Grooved.....	152.35	11.95
For Galvanized Fittings, Add	5.91	
23 21 13 23-1494 EA 1-1/4" x 1" Concentric Reducer, Grooved.....	159.40	12.65
For Galvanized Fittings, Add	6.18	
23 21 13 23-1495 EA 1-1/2" x 3/4" Concentric Reducer, Grooved.....	179.08	13.64
For Galvanized Fittings, Add	19.07	
23 21 13 23-1496 EA 1-1/2" x 1" Concentric Reducer, Grooved.....	55.40	14.25
For Galvanized Fittings, Add	4.08	
23 21 13 23-1497 EA 1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	153.92	14.94
For Galvanized Fittings, Add	15.81	
23 21 13 23-1498 EA 2" x 3/4" Concentric Reducer, Grooved.....	58.38	16.24
For Galvanized Fittings, Add	4.08	
23 21 13 23-1499 EA 2" x 1" Concentric Reducer, Grooved.....	59.38	16.93
For Galvanized Fittings, Add	4.08	
23 21 13 23-1500 EA 2" x 1-1/4" Concentric Reducer, Grooved.....	63.78	17.64
For Galvanized Fittings, Add	4.49	
23 21 13 23-1501 EA 2" x 1-1/2" Concentric Reducer, Grooved.....	63.42	19.63
For Galvanized Fittings, Add	4.08	
23 21 13 23-1502 EA 2-1/2" x 3/4" Concentric Reducer, Grooved.....	304.00	18.33
For Galvanized Fittings, Add	33.24	
23 21 13 23-1503 EA 2-1/2" x 1" Concentric Reducer, Grooved.....	245.38	19.02
For Galvanized Fittings, Add	26.07	
23 21 13 23-1504 EA 2-1/2" x 1-1/4" Concentric Reducer, Grooved.....	225.80	19.63
For Galvanized Fittings, Add	23.60	
23 21 13 23-1505 EA 2-1/2" x 1-1/2" Concentric Reducer, Grooved.....	66.36	21.62
For Galvanized Fittings, Add	4.08	
23 21 13 23-1506 EA 2-1/2" x 2" Concentric Reducer, Grooved.....	70.34	24.21
For Galvanized Fittings, Add	4.08	
23 21 13 23-1507 EA 3" x 3/4" Concentric Reducer, Grooved.....	310.24	21.32
For Galvanized Fittings, Add	42.30	
23 21 13 23-1508 EA 3" x 1" Concentric Reducer, Grooved.....	70.35	21.92
For Galvanized Fittings, Add	5.70	
23 21 13 23-1509 EA 3" x 1-1/4" Concentric Reducer, Grooved.....	249.40	22.61
For Galvanized Fittings, Add	32.77	
23 21 13 23-1510 EA 3" x 1-1/2" Concentric Reducer, Grooved.....	236.67	24.21
For Galvanized Fittings, Add	30.45	
23 21 13 23-1511 EA 3" x 2" Concentric Reducer, Grooved.....	70.14	26.90
For Galvanized Fittings, Add	4.53	
23 21 13 23-1512 EA 3" x 2-1/2" Concentric Reducer, Grooved.....	89.14	32.07
For Galvanized Fittings, Add	6.24	
23 21 13 23-1513 EA 3-1/2" x 3" Concentric Reducer, Grooved.....	95.56	34.57
For Galvanized Fittings, Add	6.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1514 EA 4" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	85.95 7.74	27.20
23 21 13 23-1515 EA 4" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	398.43 61.16	27.89
23 21 13 23-1516 EA 4" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	316.96 46.75	29.59
23 21 13 23-1517 EA 4" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	88.00 6.81	32.28
23 21 13 23-1518 EA 4" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	101.54 8.53	34.57
23 21 13 23-1519 EA 4" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	105.52 8.53	37.25
23 21 13 23-1520 EA 4" x 3-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	109.50 8.53	39.85
23 21 13 23-1521 EA 5" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	558.13 86.06	37.55
23 21 13 23-1522 EA 5" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	449.13 66.78	39.85
23 21 13 23-1523 EA 5" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	121.97 9.98	42.53
23 21 13 23-1524 EA 5" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	141.25 11.92	47.82
23 21 13 23-1525 EA 6" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	153.23 17.25	40.54
23 21 13 23-1526 EA 6" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	591.89 98.46	42.83
23 21 13 23-1527 EA 6" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	160.69 17.25	45.53
23 21 13 23-1528 EA 6" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	602.38 99.02	47.82
23 21 13 23-1529 EA 6" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	168.18 17.25	50.50
23 21 13 23-1530 EA 6" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	164.20 15.03	55.78
23 21 13 23-1531 EA 6" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	210.78 22.23	61.16
23 21 13 23-1532 EA 8" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	250.87 30.83	57.18
23 21 13 23-1533 EA 8" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	258.83 30.83	62.46
23 21 13 23-1534 EA 8" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	266.82 30.83	67.74
23 21 13 23-1535 EA 8" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	324.24 39.31	75.71
23 21 13 23-1536 EA 10" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	497.46 73.40	69.43
23 21 13 23-1537 EA 10" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	979.17 161.80	74.72
23 21 13 23-1538 EA 10" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	554.17 80.27	82.68
23 21 13 23-1539 EA 10" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	564.12 80.27	89.35
23 21 13 23-1540 EA 12" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,420.66 195.32	79.09
23 21 13 23-1541 EA 12" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	651.48 76.96	92.34
23 21 13 23-1542 EA 12" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	919.10 115.60	99.02
23 21 13 23-1543 EA 12" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	929.60 115.60	105.99
23 21 13 23-1544 EA 14" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,764.11 80.28	99.52
23 21 13 23-1545 EA 14" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,694.08 47.12	106.19
23 21 13 23-1546 EA 14" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,465.58 39.79	113.16
23 21 13 23-1547 EA 14" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,480.00 39.79	122.73
23 21 13 23-1548 EA 16" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,534.69 72.60	113.26
23 21 13 23-1549 EA 16" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,366.74 67.12	120.23
23 21 13 23-1550 EA 16" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,206.27 61.75	129.89
23 21 13 23-1551 EA 16" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,217.02 61.75	137.07
23 21 13 23-1552 EA 18" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,277.63 94.78	126.91
23 21 13 23-1553 EA 18" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,988.38 85.46	136.47
23 21 13 23-1554 EA 18" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,735.54 77.37	143.65
23 21 13 23-1555 EA 18" x 16" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,746.30 77.37	150.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1556	EA	20" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,598.48 104.48	130.20
23 21	13 23-1557	EA	20" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,111.20 89.08	139.86
23 21	13 23-1558	EA	20" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,121.96 89.08	147.03
23 21	13 23-1559	EA	20" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,805.21 79.03	154.11
23 21	13 23-1560	EA	20" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,986.14 84.27	160.78
23 21	13 23-1561	EA	24" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,800.93 232.82	144.84
23 21	13 23-1562	EA	24" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,632.31 227.20	154.50
23 21	13 23-1563	EA	24" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,676.57 197.53	161.58
23 21	13 23-1564	EA	24" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,687.40 197.53	168.85
23 21	13 23-1565	EA	24" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,755.04 168.61	175.42
23 21	13 23-1566	EA	24" x 20" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,273.65 153.67	178.81
23 21 13 23-1567 Grooved Eccentric Reducers (23 21 13 23-1473)					
Note: Victaulic No. 51					
23 21	13 23-1568	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	184.56 19.73	13.64
23 21	13 23-1569	EA	1-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	169.58 17.81	14.25
23 21	13 23-1570	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	167.34 17.42	14.94
23 21	13 23-1571	EA	2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	343.34 38.34	16.24
23 21	13 23-1572	EA	2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	189.00 19.66	16.93
23 21	13 23-1573	EA	2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	205.74 21.56	17.64
23 21	13 23-1574	EA	2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	179.57 18.05	19.63
23 21	13 23-1575	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	443.81 50.04	18.33
23 21	13 23-1576	EA	2-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	416.34 46.62	19.02
23 21	13 23-1577	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	254.71 27.08	19.63
23 21	13 23-1578	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	210.88 21.46	21.62
23 21	13 23-1579	EA	2-1/2" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	108.26 8.64	24.21
23 21	13 23-1580	EA	3" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	448.89 50.01	21.92
23 21	13 23-1581	EA	3" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	410.48 45.27	22.61
23 21	13 23-1582	EA	3" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	242.82 24.82	24.21
23 21	13 23-1583	EA	3" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	122.97 9.93	26.90
23 21	13 23-1584	EA	3" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	130.70 9.93	32.07
23 21	13 23-1585	EA	3-1/2" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	508.93 54.95	34.57
23 21	13 23-1586	EA	4" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	884.18 144.63	27.20
23 21	13 23-1587	EA	4" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	554.39 87.47	29.59
23 21	13 23-1588	EA	4" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	149.35 17.33	32.28
23 21	13 23-1589	EA	4" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	152.84 17.33	34.57
23 21	13 23-1590	EA	4" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	156.82 17.33	37.25
23 21	13 23-1591	EA	5" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	618.72 96.46	37.55
23 21	13 23-1592	EA	5" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	538.94 82.18	39.85
23 21	13 23-1593	EA	5" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	526.59 79.38	42.53
23 21	13 23-1594	EA	5" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	209.34 23.60	47.82
23 21	13 23-1595	EA	6" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	935.08 163.15	40.54
23 21	13 23-1596	EA	6" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	865.57 148.78	45.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1597 EA 6" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,021.18 177.17	47.82
23 21 13 23-1598 EA 6" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	258.93 34.19	50.50
23 21 13 23-1599 EA 6" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	244.05 29.93	55.78
23 21 13 23-1600 EA 6" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	284.03 35.90	61.16
23 21 13 23-1601 EA 8" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,012.08 172.87	57.18
23 21 13 23-1602 EA 8" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	903.26 151.08	62.46
23 21 13 23-1603 EA 8" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	855.41 140.66	67.74
23 21 13 23-1604 EA 8" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	438.73 60.68	75.71
23 21 13 23-1605 EA 10" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,589.81 277.23	69.43
23 21 13 23-1606 EA 10" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,511.83 261.19	74.72
23 21 13 23-1607 EA 10" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,179.57 196.97	82.68
23 21 13 23-1608 EA 10" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,027.36 166.71	89.35
23 21 13 23-1609 EA 12" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,629.23 227.96	79.09
23 21 13 23-1610 EA 12" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,548.55 212.79	92.34
23 21 13 23-1611 EA 12" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,522.46 207.34	99.02
23 21 13 23-1612 EA 12" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,389.65 185.72	105.99
23 21 13 23-1613 EA 14" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,707.19 109.23	99.52
23 21 13 23-1614 EA 14" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,433.92 69.83	106.19
23 21 13 23-1615 EA 14" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,335.00 66.48	113.16
23 21 13 23-1616 EA 14" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,349.42 66.48	122.73
23 21 13 23-1617 EA 16" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,099.21 120.63	113.26
23 21 13 23-1618 EA 16" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,811.33 111.47	120.23
23 21 13 23-1619 EA 16" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,606.56 104.74	129.89
23 21 13 23-1620 EA 16" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,617.31 104.74	137.07
23 21 13 23-1621 EA 18" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,128.77 151.61	126.91
23 21 13 23-1622 EA 18" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,841.90 142.36	136.47
23 21 13 23-1623 EA 18" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,428.60 129.34	143.65
23 21 13 23-1624 EA 18" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,439.36 129.34	150.92
23 21 13 23-1625 EA 20" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,702.97 199.79	130.20
23 21 13 23-1626 EA 20" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,023.38 147.78	139.86
23 21 13 23-1627 EA 20" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,733.20 138.54	147.03
23 21 13 23-1628 EA 20" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,670.80 136.30	154.11
23 21 13 23-1629 EA 20" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,510.76 131.08	160.78
23 21 13 23-1630 EA 24" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,652.52 289.22	154.50
23 21 13 23-1631 EA 24" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,271.52 246.50	161.58
23 21 13 23-1632 EA 24" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,282.35 246.50	168.85
23 21 13 23-1633 EA 24" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,836.47 232.51	175.42
23 21 13 23-1634 EA 24" x 20" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,179.27 212.17	178.81
23 21 13 23-1635 Grooved Couplings <small>(2321 1323-1246)</small>		
23 21 13 23-1636 Flexible Grooved Coupling <small>(2321 1323-1636)</small>		
Note: Victaulic Style 77		
23 21 13 23-1637 EA 3/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	32.03 6.69	5.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1638	EA	1" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	32.03 6.69	5.38
23 21	13 23-1639	EA	1-1/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	41.97 8.90	6.78
23 21	13 23-1640	EA	1-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	46.90 9.73	8.06
23 21	13 23-1641	EA	2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	53.00 10.28	10.86
23 21	13 23-1642	EA	2-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	63.78 12.31	13.25
23 21	13 23-1643	EA	3" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	67.63 12.31	15.84
23 21	13 23-1644	EA	3-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	98.64 19.83	18.53
23 21	13 23-1645	EA	4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	102.53 19.83	21.11
23 21	13 23-1646	EA	5" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	148.22 30.40	26.49
23 21	13 23-1647	EA	6" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	180.21 35.93	34.57
23 21	13 23-1648	EA	8" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	270.96 58.57	41.24
23 21	13 23-1649	EA	10" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	421.78 97.34	49.41
23 21	13 23-1650	EA	12" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	476.91 110.84	54.09
23 21	13 23-1651	EA	14" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	588.97 134.65	72.12
23 21	13 23-1652	EA	16" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	760.46 176.61	86.57
23 21	13 23-1653	EA	18" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	882.83 206.84	96.13
23 21	13 23-1654	EA	20" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,324.25 325.39	108.18
23 21	13 23-1655	EA	24" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,473.99 356.84	133.08
23 21 13 23-1656 Zero-Flex® Rigid Coupling (23 21 13 23-1635)					
Note: Victaulic Style 07					
23 21	13 23-1657	EA	1" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	41.37 8.14	5.38
23 21	13 23-1658	EA	1-1/4" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	43.42 8.14	6.78
23 21	13 23-1659	EA	1-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	45.39 8.14	8.06
23 21	13 23-1660	EA	2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	50.37 8.35	10.86
23 21	13 23-1661	EA	2-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	59.13 9.63	13.25
23 21	13 23-1662	EA	3" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	62.98 9.63	15.84
23 21	13 23-1663	EA	3-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	73.75 11.25	18.53
23 21	13 23-1664	EA	4" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	96.80 15.94	21.11
23 21	13 23-1665	EA	5" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	124.18 20.71	26.49
23 21	13 23-1666	EA	6" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	164.86 27.68	34.57
23 21	13 23-1667	EA	8" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	239.76 43.61	41.24
23 21	13 23-1668	EA	10" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	393.05 78.14	49.41
23 21	13 23-1669	EA	12" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	437.96 87.44	54.09
23 21	13 23-1670	EA	14" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	574.36 114.24	72.12
23 21	13 23-1671	EA	16" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	737.83 148.99	86.57
23 21	13 23-1672	EA	18" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	847.12 172.24	96.13
23 21	13 23-1673	EA	20" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	999.10 205.06	108.18
23 21	13 23-1674	EA	24" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,432.36 302.04	133.08
23 21 13 23-1675 Large Diameter Grooved Coupling (23 21 13 23-1635)					
Note: Victaulic Style 770					
23 21	13 23-1676	EA	28" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,518.99 207.11	26.49
23 21	13 23-1677	EA	30" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,755.05 238.44	34.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1678 EA 32" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	2,612.37 357.08	41.24
23 21 13 23-1679 EA 36" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	3,472.14 475.72	49.41
23 21 13 23-1680 EA 42" Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	6,953.26 962.11	54.09
23 21 13 23-1681 Flexible Coupling (23 21 13 23-1635) Note: Victaulic Style 75		
23 21 13 23-1682 EA 1-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	42.37 7.74	8.06
23 21 13 23-1683 EA 2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	47.27 7.93	10.86
23 21 13 23-1684 EA 2-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	55.75 9.20	13.25
23 21 13 23-1685 EA 3" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	65.45 10.69	15.84
23 21 13 23-1686 EA 3-1/2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	86.99 15.14	18.53
23 21 13 23-1687 EA 4" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	90.88 15.14	21.11
23 21 13 23-1688 EA 5" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	125.03 21.85	26.49
23 21 13 23-1689 EA 6" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	154.71 26.32	34.57
23 21 13 23-1690 EA 8" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	223.42 41.38	41.24
23 21 13 23-1691 Grooved Strainers And Suction Diffusers (23 21 13 23-1246)		
23 21 13 23-1692 Grooved Wye Strainers (23 21 13 23-1691) Note: Victaulic Style 732		
23 21 13 23-1693 EA 2" Wye Strainer, Grooved.....	554.32	21.92
23 21 13 23-1694 EA 2-1/2" Wye Strainer, Grooved.....	587.72	26.59
23 21 13 23-1695 EA 3" Wye Strainer, Grooved.....	663.63	31.87
23 21 13 23-1696 EA 4" Wye Strainer, Grooved.....	760.22	42.53
23 21 13 23-1697 EA 5" Wye Strainer, Grooved.....	1,088.64	53.20
23 21 13 23-1698 EA 6" Wye Strainer, Grooved.....	1,199.52	69.14
23 21 13 23-1699 EA 8" Wye Strainer, Grooved.....	1,803.38	82.38
23 21 13 23-1700 EA 10" Wye Strainer, Grooved.....	2,844.55	96.32
23 21 13 23-1701 EA 12" Wye Strainer, Grooved.....	4,890.37	115.66
23 21 13 23-1702 Grooved Tee Type Strainers (23 21 13 23-1691) Note: Victaulic Style 730		
23 21 13 23-1703 EA 1-1/2" Tee Type Strainer, Grooved.....	427.29	16.64
23 21 13 23-1704 EA 2" Tee Type Strainer, Grooved.....	547.88	21.92
23 21 13 23-1705 EA 2-1/2" Tee Type Strainer, Grooved.....	581.03	26.59
23 21 13 23-1706 EA 3" Tee Type Strainer, Grooved.....	656.07	31.87
23 21 13 23-1707 EA 4" Tee Type Strainer, Grooved.....	751.64	42.53
23 21 13 23-1708 EA 5" Tee Type Strainer, Grooved.....	1,076.16	53.20
23 21 13 23-1709 EA 6" Tee Type Strainer, Grooved.....	1,186.06	69.14
23 21 13 23-1710 EA 8" Tee Type Strainer, Grooved.....	1,782.54	82.38
23 21 13 23-1711 EA 10" Tee Type Strainer, Grooved.....	2,580.83	96.32
23 21 13 23-1712 EA 12" Tee Type Strainer, Grooved.....	3,309.65	115.66
23 21 13 23-1713 EA 14" Tee Type Strainer, Grooved.....	11,375.62	130.20
23 21 13 23-1714 EA 16" Tee Type Strainer, Grooved.....	14,111.66	144.14
23 21 13 23-1715 EA 18" Tee Type Strainer, Grooved.....	18,512.69	157.49
23 21 13 23-1716 Grooved Suction Diffuser (23 21 13 23-1691) Note: Victaulic Style 731		
23 21 13 23-1717 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser.....	1,106.36	24.60
23 21 13 23-1718 EA 3" Grooved x 2" Flanged Suction Diffuser.....	1,175.82	27.20
23 21 13 23-1719 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser.....	864.19	31.87
23 21 13 23-1720 EA 3" Grooved x 3" Flanged Suction Diffuser.....	878.77	34.57
23 21 13 23-1721 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser.....	948.57	34.57
23 21 13 23-1722 EA 4" Grooved x 3" Flanged Suction Diffuser.....	1,023.30	37.25
23 21 13 23-1723 EA 4" Grooved x 4" Flanged Suction Diffuser.....	1,176.73	37.25
23 21 13 23-1724 EA 5" Grooved x 4" Flanged Suction Diffuser.....	1,320.73	47.82
23 21 13 23-1725 EA 5" Grooved x 5" Flanged Suction Diffuser.....	1,388.10	50.50
23 21 13 23-1726 EA 6" Grooved x 4" Flanged Suction Diffuser.....	1,415.37	55.78
23 21 13 23-1727 EA 6" Grooved x 5" Flanged Suction Diffuser.....	1,684.69	61.16
23 21 13 23-1728 EA 6" Grooved x 6" Flanged Suction Diffuser.....	1,751.67	65.14
23 21 13 23-1729 EA 8" Grooved x 5" Flanged Suction Diffuser.....	1,798.46	67.74
23 21 13 23-1730 EA 8" Grooved x 6" Flanged Suction Diffuser.....	1,902.87	75.71
23 21 13 23-1731 EA 8" Grooved x 8" Flanged Suction Diffuser.....	3,202.71	82.38
23 21 13 23-1732 EA 10" Grooved x 8" Flanged Suction Diffuser.....	3,608.45	89.05
23 21 13 23-1733 EA 10" Grooved x 10" Flanged Suction Diffuser.....	4,325.21	92.34
23 21 13 23-1734 EA 12" Grooved x 10" Flanged Suction Diffuser.....	5,114.75	106.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1735 EA 12" Grooved x 12" Flanged Suction Diffuser.....	7,062.58	112.96
23 21 13 23-1736 EA 14" Grooved x 10" Flanged Suction Diffuser.....	6,584.97	112.96
23 21 13 23-1737 EA 14" Grooved x 12" Flanged Suction Diffuser.....	7,350.43	122.93
23 21 13 23-1738 EA 14" Grooved x 14" Flanged Suction Diffuser.....	8,897.36	130.20
23 21 13 23-1739 EA 16" Grooved x 14" Flanged Suction Diffuser.....	9,163.62	136.87
23 21 13 23-1740 Grooved Steel Valves (23 21 13 23-1246)		
23 21 13 23-1741 Grooved Lug Type Butterfly Valves With Standard Trim (23 21 13 23-1740)		
23 21 13 23-1742 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	203.84	10.86
23 21 13 23-1743 EA 2" Butterfly Valve, Grooved, With Standard Trim.....	208.98	14.25
23 21 13 23-1744 EA 3" Butterfly Valve, Grooved, With Standard Trim.....	342.08	21.11
23 21 13 23-1745 EA 4" Butterfly Valve, Grooved, With Standard Trim.....	459.29	27.79
23 21 13 23-1746 EA 6" Butterfly Valve, Grooved, With Standard Trim.....	997.13	45.53
23 21 13 23-1747 EA 8" Butterfly Valve, Grooved, With Standard Trim.....	1,382.20	64.05
23 21 13 23-1748 EA 10" Butterfly Valve, Grooved, With Standard Trim.....	2,072.27	86.57
23 21 13 23-1749 Grooved Lug Type Butterfly Valves With Stainless Steel Trim (23 21 13 23-1740)		
23 21 13 23-1750 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	304.32	10.86
23 21 13 23-1751 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	309.46	14.25
23 21 13 23-1752 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	478.29	21.11
23 21 13 23-1753 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	608.89	27.79
23 21 13 23-1754 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,162.36	45.53
23 21 13 23-1755 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,927.01	64.05
23 21 13 23-1756 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	3,032.39	86.57
23 21 13 23-1757 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1740)		
23 21 13 23-1758 EA 1-1/2" Ball Valve, Grooved, With Standard Trim.....	172.61	10.66
23 21 13 23-1759 EA 2" Ball Valve, Grooved, With Standard Trim.....	198.40	14.64
23 21 13 23-1760 EA 2-1/2" Ball Valve, Grooved, With Standard Trim.....	447.63	17.93
23 21 13 23-1761 EA 3" Ball Valve, Grooved, With Standard Trim.....	731.07	21.22
23 21 13 23-1762 EA 4" Ball Valve, Grooved, With Standard Trim.....	1,136.65	27.89
23 21 13 23-1763 EA 6" Ball Valve, Grooved, With Standard Trim.....	3,519.40	45.82
23 21 13 23-1764 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1740)		
23 21 13 23-1765 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	183.61	10.66
23 21 13 23-1766 EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	312.63	14.64
23 21 13 23-1767 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	807.83	17.93
23 21 13 23-1768 EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,043.93	21.22
23 21 13 23-1769 EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,425.76	27.89
23 21 13 23-1770 EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	3,877.65	45.82
23 21 13 23-1771 Grooved Check Valves (23 21 13 23-1740)		
23 21 13 23-1772 EA 2" Check Valve, Grooved.....	261.29	14.64
23 21 13 23-1773 EA 2-1/2" Check Valve, Grooved.....	422.24	17.93
23 21 13 23-1774 EA 3" Check Valve, Grooved.....	492.06	21.22
23 21 13 23-1775 EA 4" Check Valve, Grooved.....	696.71	27.89
23 21 13 23-1776 Grooved Vic-Check Check Valves (23 21 13 23-1740)		
23 21 13 23-1777 EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	338.70	17.93
23 21 13 23-1778 EA 3" "Vic-Check" Check Valve, Grooved.....	343.53	21.22
23 21 13 23-1779 EA 4" "Vic-Check" Check Valve, Grooved.....	431.00	27.89
23 21 13 23-1780 EA 6" "Vic-Check" Check Valve, Grooved.....	837.06	45.82
23 21 13 23-1781 EA 8" "Vic-Check" Check Valve, Grooved.....	1,145.74	63.76
23 21 13 23-1782 EA 10" "Vic-Check" Check Valve, Grooved.....	3,169.40	86.37
23 21 13 23-1783 EA 12" "Vic-Check" Check Valve, Grooved.....	3,752.22	99.71
23 21 13 23-1784 Grooved Plug Valves With Lever Operator (23 21 13 23-1740)		
23 21 13 23-1785 EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	383.04	21.22
23 21 13 23-1786 EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	428.33	27.89
23 21 13 23-1787 EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	761.62	45.82
23 21 13 23-1788 Grooved Plug Valve With Gear Operator (23 21 13 23-1740)		
23 21 13 23-1789 EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	666.36	21.22
23 21 13 23-1790 EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	711.69	27.89
23 21 13 23-1791 EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,044.98	45.82
23 21 13 23-1792 EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,399.65	63.76
23 21 13 23-1793 EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,186.09	86.37
23 21 13 23-1794 EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,145.27	99.71
23 21 13 23-1795 Prepare Pipe For Groove (23 21 13 23-1246)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1796				Cut Grooved Pipe <small>(23 21 13 23-1795)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1797	EA			Cut 3/4" Groove	10.44	
23 21 13 23-1798	EA			Cut 1" Groove	11.33	
23 21 13 23-1799	EA			Cut 1-1/4" Groove	12.79	
23 21 13 23-1800	EA			Cut 1-1/2" Groove	13.92	
23 21 13 23-1801	EA			Cut 2" Groove	15.25	
23 21 13 23-1802	EA			Cut 2-1/2" Groove	16.52	
23 21 13 23-1803	EA			Cut 3" Groove	18.03	
23 21 13 23-1804	EA			Cut 3-1/2" Groove	19.11	
23 21 13 23-1805	EA			Cut 4" Groove	20.34	
23 21 13 23-1806	EA			Cut 5" Groove	22.03	
23 21 13 23-1807	EA			Cut 6" Groove	22.66	
23 21 13 23-1808	EA			Cut 8" Groove	29.38	
23 21 13 23-1809	EA			Cut 10" Groove	41.75	
23 21 13 23-1810	EA			Cut 12" Groove	52.88	
23 21 13 23-1811	EA			Cut 14" Groove	79.31	
23 21 13 23-1812	EA			Cut 16" Groove	83.48	
23 21 13 23-1813	EA			Cut 18" Groove	88.13	
23 21 13 23-1814	EA			Cut 20" Groove	93.31	
23 21 13 23-1815	EA			Cut 24" Groove	105.74	
23 21 13 23-1816				Roll Grooved Pipe <small>(23 21 13 23-1795)</small>		
				Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1817	EA			Roll 3/4" Groove.....	5.96	
23 21 13 23-1818	EA			Roll 1" Groove.....	6.96	
23 21 13 23-1819	EA			Roll 1-1/4" Groove	7.93	
23 21 13 23-1820	EA			Roll 1-1/2" Groove	8.91	
23 21 13 23-1821	EA			Roll 2" Groove	13.67	
23 21 13 23-1822	EA			Roll 2-1/2" Groove	14.42	
23 21 13 23-1823	EA			Roll 3" Groove.....	15.87	
23 21 13 23-1824	EA			Roll 3-1/2" Groove	16.87	
23 21 13 23-1825	EA			Roll 4" Groove.....	18.44	
23 21 13 23-1826	EA			Roll 5" Groove.....	18.88	
23 21 13 23-1827	EA			Roll 6" Groove.....	19.83	
23 21 13 23-1828	EA			Roll 8" Groove.....	24.03	
23 21 13 23-1829	EA			Roll 10" Groove.....	27.35	
23 21 13 23-1830	EA			Roll 12" Groove.....	34.49	
23 21 13 23-1831	EA			Roll 14" Groove.....	52.88	
23 21 13 23-1832	EA			Roll 16" Groove.....	56.65	
23 21 13 23-1833	EA			Roll 18" Groove.....	58.75	
23 21 13 23-1834	EA			Roll 20" Groove.....	63.44	
23 21 13 23-1835	EA			Roll 24" Groove.....	68.96	
23 21 13 23-1836				Standard Gaskets <small>(23 21 13 23-1795)</small>		
				Note: For use on replacement of existing gaskets.		
23 21 13 23-1837	EA			3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.39	
23 21 13 23-1838	EA			1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.22	
23 21 13 23-1839	EA			1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	23.26	
23 21 13 23-1840	EA			1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	25.50	
23 21 13 23-1841	EA			2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.11	
23 21 13 23-1842	EA			2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.57	
23 21 13 23-1843	EA			3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	33.52	
23 21 13 23-1844	EA			3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.26	
23 21 13 23-1845	EA			4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.74	
23 21 13 23-1846	EA			5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	51.98	
23 21 13 23-1847	EA			6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	55.88	
23 21 13 23-1848	EA			8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	75.86	
23 21 13 23-1849	EA			10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	95.14	
23 21 13 23-1850	EA			12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	112.25	
23 21 13 23-1851	EA			14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	156.78	
23 21 13 23-1852	EA			16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	209.21	
23 21 13 23-1853	EA			18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	247.79	
23 21 13 23-1854	EA			20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	367.29	
23 21 13 23-1855	EA			24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	502.79	
23 21 13 23-1856				Copper Grooved-Joint Pipe Fittings <small>(23 21 13 23)</small>		
				Note: Couplings are not included with fittings.		
23 21 13 23-1857				Grooved Fittings <small>(23 21 13 23-1856)</small>		
23 21 13 23-1858				Grooved 90 Degree Elbows <small>(23 21 13 23-1857)</small>		
23 21 13 23-1859	EA			2" Copper 90 Degree Elbow, Grooved.....	52.19	16.24
23 21 13 23-1860	EA			2-1/2" Copper 90 Degree Elbow, Grooved	61.05	19.83
23 21 13 23-1861	EA			3" Copper 90 Degree Elbow, Grooved.....	78.36	24.01
23 21 13 23-1862	EA			4" Copper 90 Degree Elbow, Grooved.....	134.35	31.68

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1863 EA 5" Copper 90 Degree Elbow, Grooved.....	282.23	39.65
23 21 13 23-1864 EA 6" Copper 90 Degree Elbow, Grooved.....	428.22	51.90
23 21 13 23-1865 EA 8" Copper 90 Degree Elbow, Grooved.....	733.38	61.77
23 21 13 23-1866 Grooved 45 Degree Elbows (23 21 13 23-1857)		
23 21 13 23-1867 EA 2" Copper 45 Degree Elbow, Grooved.....	52.19	16.24
23 21 13 23-1868 EA 2-1/2" Copper 45 Degree Elbow, Grooved.....	61.05	19.83
23 21 13 23-1869 EA 3" Copper 45 Degree Elbow, Grooved.....	78.36	24.01
23 21 13 23-1870 EA 4" Copper 45 Degree Elbow, Grooved.....	134.35	31.68
23 21 13 23-1871 EA 5" Copper 45 Degree Elbow, Grooved.....	282.23	39.65
23 21 13 23-1872 EA 6" Copper 45 Degree Elbow, Grooved.....	428.22	51.90
23 21 13 23-1873 EA 8" Copper 45 Degree Elbow, Grooved.....	733.38	61.77
23 21 13 23-1874 Grooved Tees (23 21 13 23-1857)		
23 21 13 23-1875 EA 2" Copper Tee, Grooved.....	80.69	23.91
23 21 13 23-1876 EA 2-1/2" Copper Tee, Grooved.....	93.70	29.39
23 21 13 23-1877 EA 3" Copper Tee, Grooved.....	124.58	36.06
23 21 13 23-1878 EA 4" Copper Tee, Grooved.....	209.39	46.62
23 21 13 23-1879 EA 5" Copper Tee, Grooved.....	449.36	60.96
23 21 13 23-1880 EA 6" Copper Tee, Grooved.....	557.46	76.30
23 21 13 23-1881 EA 8" Copper Tee, Grooved.....	908.94	92.64
23 21 13 23-1882 Grooved Reducing Tees (23 21 13 23-1857)		
23 21 13 23-1883 EA 2-1/2" Copper Tee, Reducing, Grooved.....	111.54	29.39
23 21 13 23-1884 EA 3" Copper Tee, Reducing, Grooved.....	134.43	36.06
23 21 13 23-1885 EA 4" Copper Tee, Reducing, Grooved.....	246.50	46.72
23 21 13 23-1886 EA 5" Copper Tee, Reducing, Grooved.....	591.49	61.06
23 21 13 23-1887 EA 6" Copper Tee, Reducing, Grooved.....	726.14	76.30
23 21 13 23-1888 Grooved X Cup Reducing Tees (23 21 13 23-1857)		
23 21 13 23-1889 EA 2" Copper Tee, Reducing, Grooved X Cup.....	90.13	23.91
23 21 13 23-1890 EA 2-1/2" Copper Tee, Reducing, Grooved X Cup.....	111.63	29.39
23 21 13 23-1891 EA 3" Copper Tee, Reducing, Grooved X Cup.....	134.43	36.06
23 21 13 23-1892 EA 4" Copper Tee, Reducing, Grooved X Cup.....	246.50	46.62
23 21 13 23-1893 Grooved Flanged Adapter Nipples (23 21 13 23-1857)		
23 21 13 23-1894 EA 2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	138.55	17.64
23 21 13 23-1895 EA 2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	150.52	21.42
23 21 13 23-1896 EA 3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	163.79	25.60
23 21 13 23-1897 EA 4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	192.54	34.47
23 21 13 23-1898 EA 5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	249.85	41.74
23 21 13 23-1899 EA 6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	294.22	56.39
23 21 13 23-1900 Grooved Concentric Reducers (23 21 13 23-1857)		
23 21 13 23-1901 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved.....	65.01	18.13
23 21 13 23-1902 EA 3" x 2" Copper Concentric Reducer, Grooved.....	68.99	20.22
23 21 13 23-1903 EA 3" x 2-1/2" Copper Concentric Reducer, Grooved.....	76.72	24.01
23 21 13 23-1904 EA 4" x 2" Copper Concentric Reducer, Grooved.....	107.96	24.21
23 21 13 23-1905 EA 4" x 2-1/2" Copper Concentric Reducer, Grooved.....	111.45	25.90
23 21 13 23-1906 EA 4" x 3" Copper Concentric Reducer, Grooved.....	115.43	27.89
23 21 13 23-1907 EA 5" x 3" Copper Concentric Reducer, Grooved.....	233.34	31.87
23 21 13 23-1908 EA 5" x 4" Copper Concentric Reducer, Grooved.....	241.31	35.86
23 21 13 23-1909 EA 6" x 3" Copper Concentric Reducer, Grooved.....	259.35	37.86
23 21 13 23-1910 EA 6" x 4" Copper Concentric Reducer, Grooved.....	267.31	41.84
23 21 13 23-1911 EA 6" x 5" Copper Concentric Reducer, Grooved.....	275.29	45.82
23 21 13 23-1912 EA 8" x 6" Copper Concentric Reducer, Grooved.....	436.67	56.78
23 21 13 23-1913 Grooved X Cup Concentric Reducers (23 21 13 23-1857)		
23 21 13 23-1914 EA 2" x 1" Copper Concentric Reducer, Grooved X Cup.....	49.20	12.75
23 21 13 23-1915 EA 2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	50.19	13.25
23 21 13 23-1916 EA 2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	53.24	14.74
23 21 13 23-1917 EA 2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	57.63	14.25
23 21 13 23-1918 EA 2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	58.61	14.74
23 21 13 23-1919 EA 2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	61.55	16.24
23 21 13 23-1920 EA 2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	65.53	18.13
23 21 13 23-1921 EA 3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	72.63	18.13
23 21 13 23-1922 EA 3" x 2" Copper Concentric Reducer, Grooved X Cup.....	76.61	20.22
23 21 13 23-1923 EA 4" x 2" Copper Concentric Reducer, Grooved X Cup.....	116.67	24.11
23 21 13 23-1924 Grooved Standard Couplings (23 21 13 23-1857)		
23 21 13 23-1925 EA 2" Copper Standard Coupling, Grooved.....	28.91	8.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1926 EA 2-1/2" Copper Standard Coupling, Grooved	34.22	9.96
23 21 13 23-1927 EA 3" Copper Standard Coupling, Grooved	39.76	11.85
23 21 13 23-1928 EA 4" Copper Standard Coupling, Grooved	56.45	15.94
23 21 13 23-1929 EA 5" Copper Standard Coupling, Grooved	82.14	19.83
23 21 13 23-1930 EA 6" Copper Standard Coupling, Grooved	108.62	25.90
23 21 13 23-1931 EA 8" Copper Standard Coupling, Grooved	150.00	30.88
23 21 13 23-1932 Grooved Caps <small>(23 21 13 23-1857)</small>		
23 21 13 23-1933 EA 2" Copper Cap, Grooved	29.68	8.16
23 21 13 23-1934 EA 2-1/2" Copper Cap, Grooved	34.93	9.96
23 21 13 23-1935 EA 3" Copper Cap, Grooved	42.67	11.85
23 21 13 23-1936 EA 4" Copper Cap, Grooved	70.00	15.84
23 21 13 23-1937 EA 5" Copper Cap, Grooved	218.13	19.83
23 21 13 23-1938 EA 6" Copper Cap, Grooved	372.55	25.90
23 21 13 23-1939 Grooved Valves <small>(23 21 13 23-1856)</small>		
23 21 13 23-1940 Grooved Butterfly Valves, Standard Trim, Without Operator <small>(23 21 13 23-1939)</small>		
Note: Copper body.		
23 21 13 23-1941 EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	335.27	10.66
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1942 EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	383.26	15.84
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1943 EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	506.58	20.82
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1944 EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	679.25	34.17
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1945 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	754.25	48.01
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1946 Grooved Butterfly Valves, Standard Trim, With Operator <small>(23 21 13 23-1939)</small>		
Note: Copper body.		
23 21 13 23-1947 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	408.35	10.66
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1948 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	456.38	15.84
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1949 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	579.71	20.82
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1950 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	752.43	34.17
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1951 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	827.38	48.01
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-1952 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23)</small>		
Note: Socket or back weld.		
23 21 13 23-1953 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-1952)</small>		
Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-1954 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-1953)</small>		
23 21 13 23-1955 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.48	2.89
For Work In Restricted Working Space, Add	1.28	
23 21 13 23-1956 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.61	3.59
For Work In Restricted Working Space, Add	1.60	
23 21 13 23-1957 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.07	3.78
For Work In Restricted Working Space, Add	1.71	
23 21 13 23-1958 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.63	4.08
For Work In Restricted Working Space, Add	1.84	
23 21 13 23-1959 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.80	4.18
For Work In Restricted Working Space, Add	1.87	
23 21 13 23-1960 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.24	4.98
For Work In Restricted Working Space, Add	2.24	
23 21 13 23-1961 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.10	5.88
For Work In Restricted Working Space, Add	2.66	
23 21 13 23-1962 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.32	7.17
For Work In Restricted Working Space, Add	3.21	
23 21 13 23-1963 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.39	10.76
For Work In Restricted Working Space, Add	4.82	
23 21 13 23-1964 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	25.48	14.25
For Work In Restricted Working Space, Add	6.43	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1965	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	31.69 7.66	17.03
23 21	13 23-1966	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	47.32 8.55	19.02
23 21 13 23-1967 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-1953)					
23 21	13 23-1968	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.35 4.82	10.76
23 21	13 23-1969	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	21.82 6.43	14.25
23 21	13 23-1970	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	27.25 7.97	17.74
23 21	13 23-1971	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	38.86 11.28	25.11
23 21	13 23-1972	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	43.74 12.72	28.29
23 21	13 23-1973	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	55.96 16.15	35.97
23 21	13 23-1974	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	86.14 23.91	53.20
23 21	13 23-1975	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	112.61 31.46	69.93
23 21	13 23-1976	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	138.36 37.36	83.08
23 21	13 23-1977	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	175.44 42.69	94.94
23 21	13 23-1978	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	251.34 49.81	110.77
23 21	13 23-1979	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	375.41 74.27	165.17
23 21 13 23-1980 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-1953)					
23 21	13 23-1981	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.48 4.82	10.76
23 21	13 23-1982	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	22.09 6.43	14.25
23 21	13 23-1983	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	27.64 7.97	17.74
23 21	13 23-1984	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	39.11 11.28	25.11
23 21	13 23-1985	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	44.29 12.72	28.29
23 21	13 23-1986	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	56.32 16.15	35.97
23 21	13 23-1987	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	86.14 23.91	53.20
23 21	13 23-1988	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	114.92 31.46	69.93
23 21	13 23-1989	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	142.58 37.36	83.08
23 21	13 23-1990	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	175.82 42.69	94.94
23 21	13 23-1991	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	246.68 49.81	110.77
23 21	13 23-1992	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	375.41 74.27	165.17
23 21 13 23-1993 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-1953)					
23 21	13 23-1994	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	26.89 7.97	17.74
23 21	13 23-1995	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	32.49 9.64	21.42
23 21	13 23-1996	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	43.08 12.72	28.29
23 21	13 23-1997	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	54.94 16.15	35.97
23 21	13 23-1998	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	65.62 19.28	42.83
23 21	13 23-1999	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	81.65 23.91	53.20
23 21	13 23-2000	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	111.37 31.46	69.93
23 21	13 23-2001	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	133.04 37.36	83.08
23 21	13 23-2002	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	181.46 49.81	110.77
23 21	13 23-2003	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	266.27 64.27	142.84
23 21	13 23-2004	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	386.38 79.69	177.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2005 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	869.47 119.10	264.78
23 21 13 23-2006 Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-1953)</small>		
23 21 13 23-2007 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	33.72 9.96	22.11
23 21 13 23-2008 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	40.73 12.05	26.80
23 21 13 23-2009 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	54.07 15.90	35.36
23 21 13 23-2010 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	69.04 20.19	44.92
23 21 13 23-2011 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	82.46 24.10	53.59
23 21 13 23-2012 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	102.68 29.88	66.44
23 21 13 23-2013 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	141.27 39.32	87.46
23 21 13 23-2014 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	168.99 46.69	103.80
23 21 13 23-2015 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	231.73 62.26	138.46
23 21 13 23-2016 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	349.25 80.30	178.51
23 21 13 23-2017 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	521.15 99.56	221.34
23 21 13 23-2018 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,237.14 148.94	331.12
23 21 13 23-2019 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-1953)</small>		
23 21 13 23-2020 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	21.68 6.43	14.25
23 21 13 23-2021 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	27.08 7.97	17.74
23 21 13 23-2022 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	38.28 11.28	25.11
23 21 13 23-2023 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	43.11 12.72	28.29
23 21 13 23-2024 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	55.05 16.15	35.97
23 21 13 23-2025 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	81.62 23.91	53.20
23 21 13 23-2026 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	107.75 31.46	69.93
23 21 13 23-2027 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	131.05 37.36	83.08
23 21 13 23-2028 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	158.54 42.69	94.94
23 21 13 23-2029 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	259.38 49.81	110.77
23 21 13 23-2030 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	296.52 57.86	128.60
23 21 13 23-2031 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-1953)</small>		
23 21 13 23-2032 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.65 4.82	10.76
23 21 13 23-2033 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	22.01 6.43	14.25
23 21 13 23-2034 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	27.28 7.97	17.74
23 21 13 23-2035 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	38.69 11.28	25.11
23 21 13 23-2036 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	43.66 12.72	28.29
23 21 13 23-2037 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	55.58 16.15	35.97
23 21 13 23-2038 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	82.20 23.91	53.20
23 21 13 23-2039 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	107.75 31.46	69.93
23 21 13 23-2040 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	131.05 37.36	83.08
23 21 13 23-2041 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-1953)</small>		
23 21 13 23-2042 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.84 4.82	10.76
23 21 13 23-2043 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.20 6.43	14.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2044	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	27.66 7.97	17.74
23 21	13 23-2045	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.91 11.28	25.11
23 21	13 23-2046	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	44.15 12.72	28.29
23 21	13 23-2047	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	56.02 16.15	35.97
23 21	13 23-2048	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	82.69 23.91	53.20
23 21	13 23-2049	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	109.27 31.46	69.93
23 21	13 23-2050	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	130.17 37.36	83.08
23 21 13 23-2051 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-1953)</small>					
23 21	13 23-2052	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.35 4.82	10.76
23 21	13 23-2053	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.79 6.43	14.25
23 21	13 23-2054	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	26.97 7.97	17.74
23 21	13 23-2055	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.25 11.28	25.11
23 21	13 23-2056	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	43.16 12.72	28.29
23 21	13 23-2057	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	54.89 16.15	35.97
23 21	13 23-2058	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	84.24 23.91	53.20
23 21	13 23-2059	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	110.98 31.46	69.93
23 21	13 23-2060	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	134.64 37.36	83.08
23 21 13 23-2061 Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-1953)</small>					
23 21	13 23-2062	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	23.93 6.58	14.64
23 21 13 23-2063 Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-1953)</small>					
23 21	13 23-2064	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	16.24 4.82	10.76
23 21	13 23-2065	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	21.65 6.43	14.25
23 21	13 23-2066	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	26.97 7.97	17.74
23 21	13 23-2067	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	38.14 11.28	25.11
23 21	13 23-2068	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	43.00 12.72	28.29
23 21	13 23-2069	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	54.78 16.15	35.97
23 21	13 23-2070	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	81.79 23.91	53.20
23 21	13 23-2071	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	108.14 31.46	69.93
23 21	13 23-2072	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	129.29 37.36	83.08
23 21	13 23-2073	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	157.41 42.69	94.94
23 21	13 23-2074	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	194.25 49.81	110.77
23 21	13 23-2075	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	307.52 53.39	118.74
23 21 13 23-2076 Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-1953)</small>					
23 21	13 23-2077	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	27.95 7.97	17.74
23 21	13 23-2078	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	36.79 9.64	21.42
23 21	13 23-2079	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	47.60 12.72	28.29
23 21	13 23-2080	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	66.52 16.15	35.97
23 21	13 23-2081	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	77.50 19.28	42.83
23 21	13 23-2082	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	97.53 23.91	53.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2083 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	137.22 31.46	69.93
23 21 13 23-2084 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	158.81 37.36	83.08
23 21 13 23-2085 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	234.03 49.81	110.77
23 21 13 23-2086 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	305.29 64.24	142.84
23 21 13 23-2087 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	415.90 79.65	177.11
23 21 13 23-2088 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	577.59 98.90	219.85
23 21 13 23-2089 Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-1953)</small>		
23 21 13 23-2090 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	16.47 4.88	10.88
23 21 13 23-2091 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	21.71 6.43	14.25
23 21 13 23-2092 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	27.00 7.97	17.74
23 21 13 23-2093 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	38.63 11.41	25.39
23 21 13 23-2094 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	43.05 12.72	28.29
23 21 13 23-2095 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	54.64 16.15	35.97
23 21 13 23-2096 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	82.31 23.91	53.20
23 21 13 23-2097 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	107.70 31.46	69.93
23 21 13 23-2098 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	131.03 37.36	83.08
23 21 13 23-2099 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	157.88 42.69	94.94
23 21 13 23-2100 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	218.12 49.81	110.77
23 21 13 23-2101 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	370.74 53.39	118.74
23 21 13 23-2102 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-1953)</small>		
23 21 13 23-2103 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	32.10 7.97	17.74
23 21 13 23-2104 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	40.62 9.64	21.42
23 21 13 23-2105 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.85 12.72	28.29
23 21 13 23-2106 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	63.57 16.15	35.97
23 21 13 23-2107 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	74.22 19.28	42.83
23 21 13 23-2108 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	92.92 23.91	53.20
23 21 13 23-2109 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	125.29 31.46	69.93
23 21 13 23-2110 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	147.07 37.36	83.08
23 21 13 23-2111 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	194.58 49.81	110.77
23 21 13 23-2112 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	259.04 64.24	142.84
23 21 13 23-2113 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	366.81 79.65	177.11
23 21 13 23-2114 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	557.49 98.75	219.55
23 21 13 23-2115 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-1952)</small> Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2116 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2115)</small>		
23 21 13 23-2117 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.54 1.28	2.89
23 21 13 23-2118 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.68 1.60	3.59
23 21 13 23-2119 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.90 1.92	4.28
23 21 13 23-2120 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.17 2.25	4.98
23 21 13 23-2121 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.36 2.57	5.68
23 21 13 23-2122 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.89 3.21	7.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2123	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	13.54	7.87
			<i>For Work In Restricted Working Space, Add</i>	3.53	
23 21	13 23-2124	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.19	8.57
			<i>For Work In Restricted Working Space, Add</i>	3.86	
23 21	13 23-2125	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	19.50	10.76
			<i>For Work In Restricted Working Space, Add</i>	4.82	
23 21	13 23-2126	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	27.95	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-2127	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	35.47	17.03
			<i>For Work In Restricted Working Space, Add</i>	7.66	
23 21	13 23-2128	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	58.10	18.33
			<i>For Work In Restricted Working Space, Add</i>	8.25	
23 21	13 23-2129		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2115)</small>		
23 21	13 23-2130	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.06	10.76
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Threaded Fittings, Add</i>	2.41	
23 21	13 23-2131	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.73	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
			<i>For Threaded Fittings, Add</i>	3.21	
23 21	13 23-2132	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	28.66	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Threaded Fittings, Add</i>	3.98	
23 21	13 23-2133	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	40.37	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Threaded Fittings, Add</i>	5.64	
23 21	13 23-2134	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	45.37	28.29
			<i>For Work In Restricted Working Space, Add</i>	12.72	
			<i>For Threaded Fittings, Add</i>	6.36	
23 21	13 23-2135	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	57.45	35.97
			<i>For Work In Restricted Working Space, Add</i>	16.15	
			<i>For Threaded Fittings, Add</i>	8.08	
23 21	13 23-2136	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	88.15	53.20
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Threaded Fittings, Add</i>	11.95	
23 21	13 23-2137	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	114.37	69.93
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Threaded Fittings, Add</i>	15.73	
23 21	13 23-2138	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	138.97	83.08
			<i>For Work In Restricted Working Space, Add</i>	37.36	
			<i>For Threaded Fittings, Add</i>	18.68	
23 21	13 23-2139	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	194.49	94.94
			<i>For Work In Restricted Working Space, Add</i>	42.69	
			<i>For Threaded Fittings, Add</i>	21.35	
23 21	13 23-2140	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	279.46	110.77
			<i>For Work In Restricted Working Space, Add</i>	49.81	
			<i>For Threaded Fittings, Add</i>	24.90	
23 21	13 23-2141	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	406.24	185.68
			<i>For Work In Restricted Working Space, Add</i>	83.51	
			<i>For Threaded Fittings, Add</i>	41.76	
23 21	13 23-2142		Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2115)</small>		
23 21	13 23-2143	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.97	10.76
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Threaded Fittings, Add</i>	2.41	
23 21	13 23-2144	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.32	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
			<i>For Threaded Fittings, Add</i>	3.21	
23 21	13 23-2145	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	30.92	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Threaded Fittings, Add</i>	3.98	
23 21	13 23-2146	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.16	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Threaded Fittings, Add</i>	5.64	
23 21	13 23-2147	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	48.95	28.29
			<i>For Work In Restricted Working Space, Add</i>	12.72	
			<i>For Threaded Fittings, Add</i>	6.36	
23 21	13 23-2148	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	62.36	35.97
			<i>For Work In Restricted Working Space, Add</i>	16.15	
			<i>For Threaded Fittings, Add</i>	8.08	
23 21	13 23-2149	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	97.61	53.20
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Threaded Fittings, Add</i>	11.95	
23 21	13 23-2150	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	126.67	69.93
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Threaded Fittings, Add</i>	15.73	
23 21	13 23-2151	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	163.81	83.08
			<i>For Work In Restricted Working Space, Add</i>	37.36	
			<i>For Threaded Fittings, Add</i>	18.68	
23 21	13 23-2152	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	191.76	94.94
			<i>For Work In Restricted Working Space, Add</i>	42.69	
			<i>For Threaded Fittings, Add</i>	21.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2153 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	273.26 49.81 24.90	110.77
23 21 13 23-2154 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	399.27 83.51 41.76	185.68
23 21 13 23-2155 Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2115)</small>		
23 21 13 23-2156 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.06 7.57 3.78	16.83
23 21 13 23-2157 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.11 9.64 4.82	21.42
23 21 13 23-2158 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.11 12.72 6.36	28.29
23 21 13 23-2159 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.12 16.15 8.08	35.97
23 21 13 23-2160 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	74.55 19.28 9.64	42.83
23 21 13 23-2161 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.56 23.91 11.95	53.20
23 21 13 23-2162 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	118.87 31.46 15.73	69.93
23 21 13 23-2163 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	142.00 37.36 18.68	83.08
23 21 13 23-2164 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	186.28 49.81 24.90	110.77
23 21 13 23-2165 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	283.45 64.27 32.13	142.84
23 21 13 23-2166 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	426.20 79.69 39.85	177.21
23 21 13 23-2167 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	869.50 119.10 59.55	264.78
23 21 13 23-2168 Schedule 80 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2115)</small>		
23 21 13 23-2169 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.97 9.46 4.73	21.01
23 21 13 23-2170 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.84 12.05 6.03	26.80
23 21 13 23-2171 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.82 15.90 7.95	35.36
23 21 13 23-2172 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	83.43 20.19 10.10	44.92
23 21 13 23-2173 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	96.46 24.10 12.05	53.59
23 21 13 23-2174 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	119.79 29.88 14.94	66.44
23 21 13 23-2175 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	153.03 39.32 19.66	87.46
23 21 13 23-2176 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	183.04 46.69 23.35	103.80
23 21 13 23-2177 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	239.30 62.26 31.13	138.46
23 21 13 23-2178 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	376.18 80.30 40.15	178.51
23 21 13 23-2179 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	583.57 99.56 49.78	221.34
23 21 13 23-2180 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,237.19 148.94 74.47	331.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2181			Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2115)</small>		
23 21 13 23-2182	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	22.01	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
			<i>For Threaded Fittings, Add</i>	3.21	
23 21 13 23-2183	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	28.24	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Threaded Fittings, Add</i>	3.98	
23 21 13 23-2184	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	40.24	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Threaded Fittings, Add</i>	5.64	
23 21 13 23-2185	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	46.00	28.29
			<i>For Work In Restricted Working Space, Add</i>	12.72	
			<i>For Threaded Fittings, Add</i>	6.36	
23 21 13 23-2186	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	59.00	35.97
			<i>For Work In Restricted Working Space, Add</i>	16.15	
			<i>For Threaded Fittings, Add</i>	8.08	
23 21 13 23-2187	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	88.62	53.20
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Threaded Fittings, Add</i>	11.95	
23 21 13 23-2188	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	119.06	69.93
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Threaded Fittings, Add</i>	15.73	
23 21 13 23-2189	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	144.20	83.08
			<i>For Work In Restricted Working Space, Add</i>	37.36	
			<i>For Threaded Fittings, Add</i>	18.68	
23 21 13 23-2190	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	164.13	94.94
			<i>For Work In Restricted Working Space, Add</i>	42.69	
			<i>For Threaded Fittings, Add</i>	21.35	
23 21 13 23-2191	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	214.48	110.77
			<i>For Work In Restricted Working Space, Add</i>	49.81	
			<i>For Threaded Fittings, Add</i>	24.90	
23 21 13 23-2192	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	296.53	128.60
			<i>For Work In Restricted Working Space, Add</i>	57.86	
			<i>For Threaded Fittings, Add</i>	28.93	
23 21 13 23-2193			Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2115)</small>		
23 21 13 23-2194	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	16.26	10.76
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Threaded Fittings, Add</i>	2.41	
23 21 13 23-2195	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	22.51	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
			<i>For Threaded Fittings, Add</i>	3.21	
23 21 13 23-2196	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.24	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Threaded Fittings, Add</i>	3.98	
23 21 13 23-2197	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	41.01	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Threaded Fittings, Add</i>	5.64	
23 21 13 23-2198	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	46.69	28.29
			<i>For Work In Restricted Working Space, Add</i>	12.72	
			<i>For Threaded Fittings, Add</i>	6.36	
23 21 13 23-2199	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	59.11	35.97
			<i>For Work In Restricted Working Space, Add</i>	16.15	
			<i>For Threaded Fittings, Add</i>	8.08	
23 21 13 23-2200	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	90.83	53.20
			<i>For Work In Restricted Working Space, Add</i>	23.91	
			<i>For Threaded Fittings, Add</i>	11.95	
23 21 13 23-2201	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	125.48	69.93
			<i>For Work In Restricted Working Space, Add</i>	31.46	
			<i>For Threaded Fittings, Add</i>	15.73	
23 21 13 23-2202	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	156.22	83.08
			<i>For Work In Restricted Working Space, Add</i>	37.36	
			<i>For Threaded Fittings, Add</i>	18.68	
23 21 13 23-2203			Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2115)</small>		
23 21 13 23-2204	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	18.41	10.76
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Threaded Fittings, Add</i>	2.41	
23 21 13 23-2205	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	24.02	14.25
			<i>For Work In Restricted Working Space, Add</i>	6.43	
			<i>For Threaded Fittings, Add</i>	3.21	
23 21 13 23-2206	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	31.08	17.74
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Threaded Fittings, Add</i>	3.98	
23 21 13 23-2207	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	42.88	25.11
			<i>For Work In Restricted Working Space, Add</i>	11.28	
			<i>For Threaded Fittings, Add</i>	5.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2208 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.00 12.72 6.36	28.29
23 21 13 23-2209 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	63.76 16.15 8.08	35.97
23 21 13 23-2210 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.99 23.91 11.95	53.20
23 21 13 23-2211 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	117.40 31.46 15.73	69.93
23 21 13 23-2212 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	146.82 37.36 18.68	83.08
23 21 13 23-2213 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2115)</small>		
23 21 13 23-2214 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.78 4.82 2.41	10.76
23 21 13 23-2215 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.97 6.43 3.21	14.25
23 21 13 23-2216 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.31 7.97 3.98	17.74
23 21 13 23-2217 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.68 11.28 5.64	25.11
23 21 13 23-2218 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.86 12.72 6.36	28.29
23 21 13 23-2219 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	66.85 16.15 8.08	35.97
23 21 13 23-2220 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	100.25 23.91 11.95	53.20
23 21 13 23-2221 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.02 31.46 15.73	69.93
23 21 13 23-2222 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	164.33 37.36 18.68	83.08
23 21 13 23-2223 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2115)</small>		
23 21 13 23-2224 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.89 4.82 2.41	10.76
23 21 13 23-2225 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.88 6.43 3.21	14.25
23 21 13 23-2226 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.10 7.97 3.98	17.74
23 21 13 23-2227 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.48 11.28 5.64	25.11
23 21 13 23-2228 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.58 12.72 6.36	28.29
23 21 13 23-2229 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.31 16.15 8.08	35.97
23 21 13 23-2230 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.74 23.91 11.95	53.20
23 21 13 23-2231 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	117.57 31.46 15.73	69.93
23 21 13 23-2232 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	140.45 37.36 18.68	83.08
23 21 13 23-2233 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	176.57 42.69 21.35	94.94
23 21 13 23-2234 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	212.66 49.81 24.90	110.77
23 21 13 23-2235 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	315.79 53.39 26.69	118.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2236 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2 115)		
23 21 13 23-2237 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	30.64	17.74
For Work In Restricted Working Space, Add	7.97	
For Threaded Fittings, Add	3.98	
23 21 13 23-2238 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	36.84	21.42
For Work In Restricted Working Space, Add	9.64	
For Threaded Fittings, Add	4.82	
23 21 13 23-2239 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions	47.77	28.29
For Work In Restricted Working Space, Add	12.72	
For Threaded Fittings, Add	6.36	
23 21 13 23-2240 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	67.29	35.97
For Work In Restricted Working Space, Add	16.15	
For Threaded Fittings, Add	8.08	
23 21 13 23-2241 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	81.58	42.83
For Work In Restricted Working Space, Add	19.28	
For Threaded Fittings, Add	9.64	
23 21 13 23-2242 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions	103.15	53.20
For Work In Restricted Working Space, Add	23.91	
For Threaded Fittings, Add	11.95	
23 21 13 23-2243 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	148.54	69.93
For Work In Restricted Working Space, Add	31.46	
For Threaded Fittings, Add	15.73	
23 21 13 23-2244 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions	180.82	83.08
For Work In Restricted Working Space, Add	37.36	
For Threaded Fittings, Add	18.68	
23 21 13 23-2245 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions	234.19	110.77
For Work In Restricted Working Space, Add	49.81	
For Threaded Fittings, Add	24.90	
23 21 13 23-2246 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions	305.29	142.84
For Work In Restricted Working Space, Add	64.24	
For Threaded Fittings, Add	32.12	
23 21 13 23-2247 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions	415.90	177.11
For Work In Restricted Working Space, Add	79.65	
For Threaded Fittings, Add	39.83	
23 21 13 23-2248 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions	577.07	219.55
For Work In Restricted Working Space, Add	98.75	
For Threaded Fittings, Add	49.37	
23 21 13 23-2249 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2115)		
23 21 13 23-2250 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.63	10.76
For Work In Restricted Working Space, Add	4.82	
For Threaded Fittings, Add	2.41	
23 21 13 23-2251 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	24.13	14.25
For Work In Restricted Working Space, Add	6.43	
For Threaded Fittings, Add	3.21	
23 21 13 23-2252 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps	31.36	17.74
For Work In Restricted Working Space, Add	7.97	
For Threaded Fittings, Add	3.98	
23 21 13 23-2253 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	43.38	25.11
For Work In Restricted Working Space, Add	11.28	
For Threaded Fittings, Add	5.64	
23 21 13 23-2254 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	48.18	28.29
For Work In Restricted Working Space, Add	12.72	
For Threaded Fittings, Add	6.36	
23 21 13 23-2255 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps	62.52	35.97
For Work In Restricted Working Space, Add	16.15	
For Threaded Fittings, Add	8.08	
23 21 13 23-2256 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	97.53	53.20
For Work In Restricted Working Space, Add	23.91	
For Threaded Fittings, Add	11.95	
23 21 13 23-2257 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps	126.67	69.93
For Work In Restricted Working Space, Add	31.46	
For Threaded Fittings, Add	15.73	
23 21 13 23-2258 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps	159.59	83.08
For Work In Restricted Working Space, Add	37.36	
For Threaded Fittings, Add	18.68	
23 21 13 23-2259 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps	229.41	94.94
For Work In Restricted Working Space, Add	42.69	
For Threaded Fittings, Add	21.35	
23 21 13 23-2260 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps	285.69	110.77
For Work In Restricted Working Space, Add	49.81	
For Threaded Fittings, Add	24.90	
23 21 13 23-2261 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps	398.31	118.74
For Work In Restricted Working Space, Add	53.39	
For Threaded Fittings, Add	26.69	
23 21 13 23-2262 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2115)		
23 21 13 23-2263 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	34.47	17.74
For Work In Restricted Working Space, Add	7.97	
For Threaded Fittings, Add	3.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2264 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	40.62	21.42
<i>For Work In Restricted Working Space, Add</i>	9.64	
<i>For Threaded Fittings, Add</i>	4.82	
23 21 13 23-2265 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	51.85	28.29
<i>For Work In Restricted Working Space, Add</i>	12.72	
<i>For Threaded Fittings, Add</i>	6.36	
23 21 13 23-2266 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	63.57	35.97
<i>For Work In Restricted Working Space, Add</i>	16.15	
<i>For Threaded Fittings, Add</i>	8.08	
23 21 13 23-2267 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	74.22	42.83
<i>For Work In Restricted Working Space, Add</i>	19.28	
<i>For Threaded Fittings, Add</i>	9.64	
23 21 13 23-2268 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	92.92	53.20
<i>For Work In Restricted Working Space, Add</i>	23.91	
<i>For Threaded Fittings, Add</i>	11.95	
23 21 13 23-2269 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	125.29	69.93
<i>For Work In Restricted Working Space, Add</i>	31.46	
<i>For Threaded Fittings, Add</i>	15.73	
23 21 13 23-2270 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	147.07	83.08
<i>For Work In Restricted Working Space, Add</i>	37.36	
<i>For Threaded Fittings, Add</i>	18.68	
23 21 13 23-2271 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	194.58	110.77
<i>For Work In Restricted Working Space, Add</i>	49.81	
<i>For Threaded Fittings, Add</i>	24.90	
23 21 13 23-2272 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	259.04	142.84
<i>For Work In Restricted Working Space, Add</i>	64.24	
<i>For Threaded Fittings, Add</i>	32.12	
23 21 13 23-2273 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	366.81	177.11
<i>For Work In Restricted Working Space, Add</i>	79.65	
<i>For Threaded Fittings, Add</i>	39.83	
23 21 13 23-2274 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	557.49	219.55
<i>For Work In Restricted Working Space, Add</i>	98.75	
<i>For Threaded Fittings, Add</i>	49.37	
23 21 13 23-2275 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-1952)</small>		
Note: In place pipe.		
23 21 13 23-2276 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.41	
<i>For Work In Restricted Working Space, Add</i>	1.62	
23 21 13 23-2277 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.84	
<i>For Work In Restricted Working Space, Add</i>	1.75	
23 21 13 23-2278 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.57	
<i>For Work In Restricted Working Space, Add</i>	1.97	
23 21 13 23-2279 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.90	
<i>For Work In Restricted Working Space, Add</i>	2.07	
23 21 13 23-2280 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	7.31	
<i>For Work In Restricted Working Space, Add</i>	2.19	
23 21 13 23-2281 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	8.04	
<i>For Work In Restricted Working Space, Add</i>	2.41	
23 21 13 23-2282 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	8.66	
<i>For Work In Restricted Working Space, Add</i>	2.60	
23 21 13 23-2283 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	10.23	
<i>For Work In Restricted Working Space, Add</i>	3.07	
23 21 13 23-2284 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	13.80	
<i>For Work In Restricted Working Space, Add</i>	4.14	
23 21 13 23-2285 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	19.72	
<i>For Work In Restricted Working Space, Add</i>	5.92	
23 21 13 23-2286 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	26.30	
<i>For Work In Restricted Working Space, Add</i>	7.89	
23 21 13 23-2287 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	32.15	
<i>For Work In Restricted Working Space, Add</i>	9.65	
23 21 13 23-2288 Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>		
23 21 13 23-2289 Small Diameter Tubing <small>(23 21 13 23-2288)</small>		
23 21 13 23-2290 Tubing <small>(23 21 13 23-2289)</small>		
23 21 13 23-2291 LF 1/4" Polyethylene Tubing.....	3.06	
<i>For Work In Restricted Working Space, Add</i>	0.90	
23 21 13 23-2292 LF 5/16" Polyethylene Tubing.....	3.16	
<i>For Work In Restricted Working Space, Add</i>	0.92	
23 21 13 23-2293 LF 3/8" Polyethylene Tubing.....	3.25	
<i>For Work In Restricted Working Space, Add</i>	0.94	
23 21 13 23-2294 LF 1/2" Polyethylene Tubing.....	3.47	
<i>For Work In Restricted Working Space, Add</i>	1.02	
23 21 13 23-2295 Chrome Plated Pipe <small>(23 21 13 23)</small>		
23 21 13 23-2296 Chrome Plated Nipples <small>(23 21 13 23-2295)</small>		
23 21 13 23-2297 Close <small>(23 21 13 23-2296)</small>		
23 21 13 23-2298 EA 1/4" Diameter Chrome Plated Nipple, Close.....	16.53	8.65
23 21 13 23-2299 EA 3/8" Diameter Chrome Plated Nipple, Close.....	16.71	9.42

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2300 EA 1/2" Diameter Chrome Plated Nipple, Close.....	20.08	10.82
23 21 13 23-2301 EA 3/4" Diameter Chrome Plated Nipple, Close.....	25.94	13.75
23 21 13 23-2302 EA 1" Diameter Chrome Plated Nipple, Close.....	34.47	18.07
23 21 13 23-2303 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	48.58	25.22
23 21 13 23-2304 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	58.27	29.55
23 21 13 23-2305 EA 2" Diameter Chrome Plated Nipple, Close.....	74.01	36.80
23 21 13 23-2306 1-1/2" Nipples (23 21 13 23-2296)		
23 21 13 23-2307 EA 1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	17.45	8.99
23 21 13 23-2308 EA 3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	17.50	9.74
23 21 13 23-2309 EA 1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	20.65	11.15
23 21 13 23-2310 EA 3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	26.75	14.07
23 21 13 23-2311 2" Nipples (23 21 13 23-2296)		
23 21 13 23-2312 EA 1/4" Diameter Chrome Plated Nipple, 2" Length.....	18.16	9.42
23 21 13 23-2313 EA 3/8" Diameter Chrome Plated Nipple, 2" Length.....	18.13	10.06
23 21 13 23-2314 EA 1/2" Diameter Chrome Plated Nipple, 2" Length.....	21.83	11.58
23 21 13 23-2315 EA 3/4" Diameter Chrome Plated Nipple, 2" Length.....	27.81	14.39
23 21 13 23-2316 EA 1" Diameter Chrome Plated Nipple, 2" Length.....	36.20	18.72
23 21 13 23-2317 EA 1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	51.03	25.97
23 21 13 23-2318 EA 1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	61.01	30.30
23 21 13 23-2319 2-1/2" Nipples (23 21 13 23-2296)		
23 21 13 23-2320 EA 1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	19.06	9.74
23 21 13 23-2321 EA 3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	18.80	10.49
23 21 13 23-2322 EA 1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	22.66	11.90
23 21 13 23-2323 EA 3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	28.49	14.83
23 21 13 23-2324 EA 1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	37.10	19.16
23 21 13 23-2325 EA 1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	53.10	26.30
23 21 13 23-2326 EA 1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	63.68	30.63
23 21 13 23-2327 EA 2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	80.09	37.88
23 21 13 23-2328 3" Nipples (23 21 13 23-2296)		
23 21 13 23-2329 EA 1/4" Diameter Chrome Plated Nipple, 3" Length.....	19.81	10.06
23 21 13 23-2330 EA 3/8" Diameter Chrome Plated Nipple, 3" Length.....	19.69	10.82
23 21 13 23-2331 EA 1/2" Diameter Chrome Plated Nipple, 3" Length.....	22.20	11.58
23 21 13 23-2332 EA 3/4" Diameter Chrome Plated Nipple, 3" Length.....	30.08	15.16
23 21 13 23-2333 EA 1" Diameter Chrome Plated Nipple, 3" Length.....	40.04	19.48
23 21 13 23-2334 EA 1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	55.37	26.74
23 21 13 23-2335 EA 1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	69.60	31.06
23 21 13 23-2336 EA 2" Diameter Chrome Plated Nipple, 3" Length.....	84.77	38.31
23 21 13 23-2337 3-1/2" Nipples (23 21 13 23-2296)		
23 21 13 23-2338 EA 1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	20.65	10.49
23 21 13 23-2339 EA 3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	21.02	11.15
23 21 13 23-2340 EA 1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	24.39	12.66
23 21 13 23-2341 EA 3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	32.31	15.48
23 21 13 23-2342 EA 1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	41.36	19.81
23 21 13 23-2343 EA 1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	59.48	27.06
23 21 13 23-2344 EA 1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	71.57	31.39
23 21 13 23-2345 EA 2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	88.58	38.64
23 21 13 23-2346 4" Nipples (23 21 13 23-2296)		
23 21 13 23-2347 EA 1/4" Diameter Chrome Plated Nipple, 4" Length.....	21.45	10.82
23 21 13 23-2348 EA 3/8" Diameter Chrome Plated Nipple, 4" Length.....	21.60	11.58
23 21 13 23-2349 EA 1/2" Diameter Chrome Plated Nipple, 4" Length.....	24.23	12.23
23 21 13 23-2350 EA 3/4" Diameter Chrome Plated Nipple, 4" Length.....	33.35	15.91
23 21 13 23-2351 EA 1" Diameter Chrome Plated Nipple, 4" Length.....	42.62	20.24
23 21 13 23-2352 EA 1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	62.69	27.38
23 21 13 23-2353 EA 1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	75.34	31.71
23 21 13 23-2354 EA 2" Diameter Chrome Plated Nipple, 4" Length.....	93.15	38.97
23 21 13 23-2355 4-1/2" Nipples (23 21 13 23-2296)		
23 21 13 23-2356 EA 1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	22.21	11.15
23 21 13 23-2357 EA 3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	22.95	11.90
23 21 13 23-2358 EA 1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	26.48	13.31
23 21 13 23-2359 EA 3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	34.52	16.23
23 21 13 23-2360 EA 1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	46.31	20.56
23 21 13 23-2361 EA 1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	65.78	27.81
23 21 13 23-2362 EA 1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	77.16	32.14
23 21 13 23-2363 EA 2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	97.38	39.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2364 5" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2365 EA 1/4" Diameter Chrome Plated Nipple, 5" Length.....	24.11	11.58
23 21 13 23-2366 EA 3/8" Diameter Chrome Plated Nipple, 5" Length.....	23.89	12.23
23 21 13 23-2367 EA 1/2" Diameter Chrome Plated Nipple, 5" Length.....	27.33	13.75
23 21 13 23-2368 EA 3/4" Diameter Chrome Plated Nipple, 5" Length.....	35.66	16.56
23 21 13 23-2369 EA 1" Diameter Chrome Plated Nipple, 5" Length.....	48.65	20.89
23 21 13 23-2370 EA 1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	68.62	28.14
23 21 13 23-2371 EA 1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	80.94	32.46
23 21 13 23-2372 EA 2" Diameter Chrome Plated Nipple, 5" Length.....	100.20	39.72
23 21 13 23-2373 5-1/2" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2374 EA 1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	24.88	11.90
23 21 13 23-2375 EA 3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	24.68	12.66
23 21 13 23-2376 EA 1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	29.21	14.07
23 21 13 23-2377 EA 3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	36.79	17.00
23 21 13 23-2378 EA 1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	50.01	21.32
23 21 13 23-2379 EA 1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	71.99	28.46
23 21 13 23-2380 EA 1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	83.98	32.80
23 21 13 23-2381 EA 2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	103.75	40.04
23 21 13 23-2382 6" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2383 EA 1/4" Diameter Chrome Plated Nipple, 6" Length.....	25.74	12.23
23 21 13 23-2384 EA 3/8" Diameter Chrome Plated Nipple, 6" Length.....	25.27	12.99
23 21 13 23-2385 EA 1/2" Diameter Chrome Plated Nipple, 6" Length.....	30.04	14.39
23 21 13 23-2386 EA 3/4" Diameter Chrome Plated Nipple, 6" Length.....	37.76	17.32
23 21 13 23-2387 EA 1" Diameter Chrome Plated Nipple, 6" Length.....	53.59	21.65
23 21 13 23-2388 EA 1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	74.19	28.90
23 21 13 23-2389 EA 1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	88.55	33.23
23 21 13 23-2390 EA 2" Diameter Chrome Plated Nipple, 6" Length.....	106.99	40.48
23 21 13 23-2391 8" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2392 EA 3/8" Diameter Chrome Plated Nipple, 8" Length.....	28.75	13.75
23 21 13 23-2393 EA 1/2" Diameter Chrome Plated Nipple, 8" Length.....	38.53	15.16
23 21 13 23-2394 EA 3/4" Diameter Chrome Plated Nipple, 8" Length.....	46.55	18.07
23 21 13 23-2395 EA 1" Diameter Chrome Plated Nipple, 8" Length.....	60.62	22.40
23 21 13 23-2396 EA 1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	85.02	29.55
23 21 13 23-2397 EA 1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	102.55	33.87
23 21 13 23-2398 EA 2" Diameter Chrome Plated Nipple, 8" Length.....	125.84	41.13
23 21 13 23-2399 10" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2400 EA 3/8" Diameter Chrome Plated Nipple, 10" Length.....	31.54	13.75
23 21 13 23-2401 EA 1/2" Diameter Chrome Plated Nipple, 10" Length.....	42.03	15.16
23 21 13 23-2402 EA 3/4" Diameter Chrome Plated Nipple, 10" Length.....	50.61	18.07
23 21 13 23-2403 EA 1" Diameter Chrome Plated Nipple, 10" Length.....	66.76	22.40
23 21 13 23-2404 EA 1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	98.17	29.55
23 21 13 23-2405 EA 1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	112.58	33.87
23 21 13 23-2406 EA 2" Diameter Chrome Plated Nipple, 10" Length.....	141.85	41.13
23 21 13 23-2407 12" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2408 EA 3/8" Diameter Chrome Plated Nipple, 12" Length.....	35.08	15.16
23 21 13 23-2409 EA 1/2" Diameter Chrome Plated Nipple, 12" Length.....	44.01	15.91
23 21 13 23-2410 EA 3/4" Diameter Chrome Plated Nipple, 12" Length.....	54.99	18.72
23 21 13 23-2411 EA 1" Diameter Chrome Plated Nipple, 12" Length.....	76.47	23.81
23 21 13 23-2412 EA 1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	108.46	31.06
23 21 13 23-2413 EA 2" Diameter Chrome Plated Nipple, 12" Length.....	156.91	42.65
23 21 13 23-2414 18" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2415 EA 3/8" Diameter Chrome Plated Nipple, 18" Length.....	42.06	15.91
23 21 13 23-2416 24" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2417 EA 3/8" Diameter Chrome Plated Nipple, 24" Length.....	48.76	16.56
23 21 13 23-2418 30" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2419 EA 3/8" Diameter Chrome Plated Nipple, 30" Length.....	53.24	17.32
23 21 13 23-2420 36" Nipples <small>(23 21 13 23-2296)</small>		
23 21 13 23-2421 EA 3/8" Diameter Chrome Plated Nipple, 36" Length.....	57.73	18.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2422			Chrome Plated Fittings <small>(23 21 13 23-2295)</small>		
23 21 13 23-2423			Chrome Plated 90 Degree Elbows <small>(23 21 13 23-2422)</small>		
23 21 13 23-2424	EA		1/4" 90 Degree Elbow, Chrome Plated	19.84	10.06
23 21 13 23-2425	EA		3/8" 90 Degree Elbow, Chrome Plated	20.61	10.82
23 21 13 23-2426	EA		1/2" 90 Degree Elbow, Chrome Plated	22.73	11.58
23 21 13 23-2427	EA		3/4" 90 Degree Elbow, Chrome Plated	29.32	15.16
23 21 13 23-2428	EA		1" 90 Degree Elbow, Chrome Plated	39.00	19.48
23 21 13 23-2429	EA		1-1/4" 90 Degree Elbow, Chrome Plated	57.57	26.74
23 21 13 23-2430	EA		1-1/2" 90 Degree Elbow, Chrome Plated	68.40	31.06
23 21 13 23-2431	EA		2" 90 Degree Elbow, Chrome Plated	90.50	38.31
23 21 13 23-2432			Chrome Plated Street 90 Degree Elbows <small>(23 21 13 23-2422)</small>		
23 21 13 23-2433	EA		1/4" Street 90 Degree Elbow, Chrome Plated.....	21.79	10.06
23 21 13 23-2434	EA		3/8" Street 90 Degree Elbow, Chrome Plated.....	22.76	10.82
23 21 13 23-2435	EA		1/2" Street 90 Degree Elbow, Chrome Plated.....	24.23	11.58
23 21 13 23-2436	EA		3/4" Street 90 Degree Elbow, Chrome Plated.....	31.52	15.16
23 21 13 23-2437	EA		1" Street 90 Degree Elbow, Chrome Plated.....	43.07	19.48
23 21 13 23-2438	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated.....	61.75	26.74
23 21 13 23-2439	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated.....	74.24	31.06
23 21 13 23-2440	EA		2" Street 90 Degree Elbow, Chrome Plated.....	104.26	38.31
23 21 13 23-2441			Chrome Plated 45 Degree Elbows <small>(23 21 13 23-2422)</small>		
23 21 13 23-2442	EA		1/4" 45 Degree Elbow, Chrome Plated	20.26	10.06
23 21 13 23-2443	EA		3/8" 45 Degree Elbow, Chrome Plated	21.23	10.82
23 21 13 23-2444	EA		1/2" 45 Degree Elbow, Chrome Plated	23.18	11.58
23 21 13 23-2445	EA		3/4" 45 Degree Elbow, Chrome Plated	31.00	15.16
23 21 13 23-2446	EA		1" 45 Degree Elbow, Chrome Plated	40.89	19.48
23 21 13 23-2447	EA		1-1/4" 45 Degree Elbow, Chrome Plated	59.84	26.74
23 21 13 23-2448	EA		1-1/2" 45 Degree Elbow, Chrome Plated	71.42	31.06
23 21 13 23-2449	EA		2" 45 Degree Elbow, Chrome Plated	98.82	38.31
23 21 13 23-2450			Chrome Plated Street 45 Degree Elbows <small>(23 21 13 23-2422)</small>		
23 21 13 23-2451	EA		1/2" Street 45 Degree Elbow, Chrome Plated.....	25.87	11.58
23 21 13 23-2452			Chrome Plated Couplings <small>(23 21 13 23-2422)</small>		
23 21 13 23-2453	EA		1/4" Coupling, Chrome Plated.....	19.56	10.06
23 21 13 23-2454	EA		3/8" Coupling, Chrome Plated.....	20.64	10.82
23 21 13 23-2455	EA		1/2" Coupling, Chrome Plated.....	22.84	11.58
23 21 13 23-2456	EA		3/4" Coupling, Chrome Plated.....	29.36	15.16
23 21 13 23-2457	EA		1" Coupling, Chrome Plated.....	38.07	19.48
23 21 13 23-2458	EA		1-1/4" Coupling, Chrome Plated	54.19	26.74
23 21 13 23-2459	EA		1-1/2" Coupling, Chrome Plated	65.56	31.06
23 21 13 23-2460	EA		2" Coupling, Chrome Plated.....	87.04	38.31
23 21 13 23-2461			Chrome Plated Unions <small>(23 21 13 23-2422)</small>		
23 21 13 23-2462	EA		1/4" Union, Chrome Plated	27.98	11.58
23 21 13 23-2463	EA		3/8" Union, Chrome Plated	29.07	12.23
23 21 13 23-2464	EA		1/2" Union, Chrome Plated	34.31	13.75
23 21 13 23-2465	EA		3/4" Union, Chrome Plated	43.32	18.07
23 21 13 23-2466	EA		1" Union, Chrome Plated	54.98	23.06
23 21 13 23-2467	EA		1-1/4" Union, Chrome Plated.....	84.44	31.06
23 21 13 23-2468	EA		1-1/2" Union, Chrome Plated	103.78	36.80
23 21 13 23-2469	EA		2" Union, Chrome Plated	133.00	44.81
23 21 13 23-2470			Chrome Plated Caps <small>(23 21 13 23-2422)</small>		
23 21 13 23-2471	EA		1/4" Cap, Chrome Plated	11.88	5.09
23 21 13 23-2472	EA		3/8" Cap, Chrome Plated	12.41	5.41
23 21 13 23-2473	EA		1/2" Cap, Chrome Plated	13.87	5.74
23 21 13 23-2474	EA		3/4" Cap, Chrome Plated	17.59	7.58
23 21 13 23-2475	EA		1" Cap, Chrome Plated	21.44	9.74
23 21 13 23-2476	EA		1-1/4" Cap, Chrome Plated	30.90	13.31
23 21 13 23-2477	EA		1-1/2" Cap, Chrome Plated	39.19	15.48
23 21 13 23-2478	EA		2" Cap, Chrome Plated	55.51	20.24
23 21 13 23-2479			Chrome Plated Plugs <small>(23 21 13 23-2422)</small>		
23 21 13 23-2480	EA		1/4" Plug, Chrome Plated.....	10.39	5.09
23 21 13 23-2481	EA		3/8" Plug, Chrome Plated.....	10.92	5.41
23 21 13 23-2482	EA		1/2" Plug, Chrome Plated.....	12.30	5.74
23 21 13 23-2483	EA		3/4" Plug, Chrome Plated.....	16.47	7.58
23 21 13 23-2484	EA		1" Plug, Chrome Plated.....	20.59	9.74
23 21 13 23-2485	EA		1-1/4" Plug, Chrome Plated	27.96	13.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2486 EA 1-1/2" Plug, Chrome Plated	33.79	15.48
23 21 13 23-2487 EA 2" Plug, Chrome Plated	46.12	20.24
23 21 13 23-2488 Chrome Plated Tees (23 21 13 23-2422)		
23 21 13 23-2489 EA 1/4" Tee, Chrome Plated	28.37	15.16
23 21 13 23-2490 EA 3/8" Tee, Chrome Plated	30.54	16.56
23 21 13 23-2491 EA 1/2" Tee, Chrome Plated	33.70	18.07
23 21 13 23-2492 EA 3/4" Tee, Chrome Plated	41.90	22.40
23 21 13 23-2493 EA 1" Tee, Chrome Plated	57.42	28.90
23 21 13 23-2494 EA 1-1/4" Tee, Chrome Plated	79.08	39.72
23 21 13 23-2495 EA 1-1/2" Tee, Chrome Plated	97.85	46.21
23 21 13 23-2496 EA 2" Tee, Chrome Plated	129.56	57.04
23 21 13 23-2497 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2422)		
23 21 13 23-2498 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	32.70	18.07
23 21 13 23-2499 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	39.19	22.40
23 21 13 23-2500 Chrome Plated Bell Reducers (23 21 13 23-2422)		
23 21 13 23-2501 EA 1/2" x 3/8" Bell Reducer, Chrome Plated	34.51	18.07
23 21 13 23-2502 EA 3/4" x 1/2" Bell Reducer, Chrome Plated	42.30	22.40
23 21 13 23-2503 EA 1" x 1/2" Bell Reducer, Chrome Plated	54.08	28.90
23 21 13 23-2504 Chrome Plated Reducing Tees (23 21 13 23-2422)		
23 21 13 23-2505 EA 3/4" x 1/2" Reducing Tee, Chrome Plated	44.61	22.40
23 21 13 23-2506 Chrome Plated Bushings (23 21 13 23-2422)		
23 21 13 23-2507 EA 3/8" x 1/4" Bushing, Chrome Plated	10.34	5.09
23 21 13 23-2508 EA 1/2" x 1/4" Bushing, Chrome Plated	11.10	5.41
23 21 13 23-2509 EA 1/2" x 3/8" Bushing, Chrome Plated	11.64	5.74
23 21 13 23-2510 EA 3/4" x 1/2" Bushing, Chrome Plated	14.99	7.58
23 21 13 23-2511 EA 1" x 3/4" Bushing, Chrome Plated	20.88	9.74
23 21 13 23-2512 EA 1-1/4" x 1" Bushing, Chrome Plated	29.90	13.31
23 21 13 23-2513 Aluminum Tubing Assemblies (23 21 13 23)		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2514 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly	8.26	3.79
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2515 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly	9.44	4.33
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2516 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly	10.55	4.87
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2517 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly	11.66	5.41
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2518 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly	12.86	5.95
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2519 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly	14.32	6.49
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2520 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly	16.61	7.47
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2521 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly	19.47	8.47
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2522 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly	22.13	9.46
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2523 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly	24.71	9.96
23 21 16 Hydronic Piping Specialties (23 21)		
23 21 16 00-0001 Vent Valves (23 21 16)		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	55.80	16.24
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	115.55	17.46
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	110.88	17.46
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	114.15	17.46
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	142.80	17.46
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	109.59	17.46

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow <small>(23 21 16)</small>		
23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0008)</small>		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	182.93 51.10	27.21
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	210.72 54.86	32.25
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	259.25 74.00	37.29
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	362.30 130.21	42.33
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	413.24 143.94	50.40
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	561.30 210.34	63.50
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,159.06 559.71	83.65
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0008)</small>		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	269.85 110.20	27.21
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	326.43 133.54	32.25
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	443.09 199.02	37.29
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	463.49 199.02	42.33
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	638.24 296.94	50.40
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	688.64 296.94	63.50
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,085.82 509.91	83.65
23 21 16 00-0025 Y-Type Strainers <small>(23 21 16)</small>		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.44 7.90 10.40	12.12
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.98 7.90 10.56	12.35
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.49 9.43 14.29	16.67
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.30 12.74 17.05	19.92
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.26 17.45 21.11	24.63
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.81 21.01 22.74	26.52
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.29 32.35 25.98	30.31
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.68 72.71 32.48	37.89
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.32 95.00 40.60	47.41
23 21 16 00-0036 Flanged, 125 LB, Iron Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.18 45.46 32.48	54.13
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.72 49.20 40.60	67.66
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	451.07 117.28 64.96	108.26
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	536.82 133.09 81.20	135.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	663.28 148.89 109.65	182.75
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	796.25 184.92 127.93	212.90
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,240.07 364.19 153.51	255.85
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,263.04 811.71 191.89	319.81
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,601.74 844.00 274.13	456.87
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.98 21.74 10.56	12.35
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.27 28.27 14.29	16.67
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.77 35.60 17.05	19.92
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.59 44.57 21.11	24.63
23 21 16 00-0051 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.84 57.89 22.74	26.52
23 21 16 00-0052 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.92 94.04 25.98	30.31
23 21 16 00-0053 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.55 155.19 32.48	37.89
23 21 16 00-0054 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	324.61 321.78 40.60	47.41
23 21 16 00-0055 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	521.62 610.69 48.72	56.83
23 21 16 00-0056 Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057 EA 2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.22 95.33 40.60	67.66
23 21 16 00-0058 EA 2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.35 97.13 52.94	88.23
23 21 16 00-0059 EA 3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.89 111.22 64.96	108.26
23 21 16 00-0060 EA 4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	721.07 270.25 81.20	135.33
23 21 16 00-0061 EA 6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,109.18 409.66 127.93	212.90
23 21 16 00-0062 EA 8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,676.89 699.11 153.51	255.85
23 21 16 00-0063 EA 10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,821.65 2,509.22 191.89	319.81
23 21 16 00-0064 Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	409.49 20.88	42.66
23 21 16 00-0066 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	430.79 23.20	47.31
23 21 16 00-0067 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	438.10 24.37	49.70
23 21 16 00-0068 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	730.25 27.38	55.86
23 21 16 00-0069 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	454.61 28.30	57.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0070	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	512.39 28.30	57.81
23 21	16 00-0071	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	768.69 31.78	64.85
23 21	16 00-0072	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	776.67 33.15	67.66
23 21	16 00-0073	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	947.57 48.74	99.49
23 21	16 00-0074	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,097.40 58.00	118.33
23 21	16 00-0075	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,357.94 83.14	169.68
23 21	16 00-0076	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,640.30 91.38	186.50
23 21	16 00-0077	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,787.81 97.90	199.84
23 21	16 00-0078	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,877.18 109.65	223.78
23 21	16 00-0079	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,242.24 123.32	251.64
23 21	16 00-0080	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,862.43 137.06	279.70
23 21	16 00-0081		Duplex Strainers <small>(23 21 16)</small>		
23 21	16 00-0082		Iron Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21	16 00-0083		Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21	16 00-0084	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	380.11 16.19	26.95
23 21	16 00-0085	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	425.29 18.53	30.86
23 21	16 00-0086	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	570.23 21.75	36.26
23 21	16 00-0087	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	710.96 23.71	39.51
23 21	16 00-0088	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	947.72 29.00	48.18
23 21	16 00-0089	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,193.58 37.01	61.71
23 21	16 00-0090		Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		
23 21	16 00-0091	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,281.79 43.09	71.77
23 21	16 00-0092	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,556.62 115.35	192.27
23 21	16 00-0093	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,006.57 148.41	247.38
23 21	16 00-0094	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,865.96 146.32	243.52
23 21	16 00-0095	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,487.43 219.30	365.50
23 21	16 00-0096	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,050.28 263.15	438.60
23 21	16 00-0097	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,703.38 299.08	498.45
23 21	16 00-0098	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,424.00 387.18	645.11
23 21	16 00-0099	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,689.32 469.85	783.08
23 21	16 00-0100	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	23,665.38 658.05	1,096.50
23 21	16 00-0101		Bronze Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21	16 00-0102		Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers <small>(23 21 16 00-0101)</small> Note: With brass or stainless steel basket.		
23 21	16 00-0103	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	682.48 16.19	27.07
23 21	16 00-0104	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	758.24 18.53	30.86
23 21	16 00-0105	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,100.23 21.75	36.26
23 21	16 00-0106	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,438.01 23.71	39.51
23 21	16 00-0107	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,854.84 29.00	48.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,280.76 37.01	61.71
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers <small>(23 21 16 00-0101)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,589.80 43.09	72.00
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,898.61 115.35	192.16
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,960.10 148.41	247.38
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,957.63 146.32	243.52
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,757.97 219.30	365.50
23 21 16 00-0115 Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,051.02 18.53	30.86
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,292.56 21.74	36.26
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,529.95 23.71	39.51
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,569.80 29.00	48.18
23 21 16 00-0121 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0122 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,633.29 43.10	72.00
23 21 16 00-0123 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,121.40 115.34	192.16
23 21 16 00-0124 EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,105.58 148.44	247.38
23 21 16 00-0125 EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,780.05 146.26	243.52
23 21 16 00-0126 EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,831.33 219.05	365.50
23 21 16 00-0127 EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,748.79 262.86	438.60
23 21 16 00-0128 Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0129 Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0130 EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,358.83 18.53	30.86
23 21 16 00-0131 EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,507.48 21.74	36.26
23 21 16 00-0132 EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,644.01 23.71	39.51
23 21 16 00-0133 EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,640.40 29.00	48.18
23 21 16 00-0134 Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0135 EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,125.06 43.10	72.00
23 21 16 00-0136 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,922.88 115.34	192.16
23 21 16 00-0137 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,637.98 148.44	247.38
23 21 16 00-0138 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,609.47 146.26	243.52
23 21 16 00-0139 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	39,722.09 219.05	365.50
23 21 16 00-0140 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	73,130.64 262.86	438.60
23 21 16 00-0141 Wall Seals And Sleeves <small>(23 21 16)</small> Note: Up to 12" walls. Excludes drilling hole.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0142 Ductile Iron Wall Sleeve <small>(23 21 16 00-0141)</small>		
Note: Includes rubber gasket seal.		
23 21 16 00-0143 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	111.07	47.42
23 21 16 00-0144 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	135.33	55.39
23 21 16 00-0145 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	164.78	66.44
23 21 16 00-0146 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	236.84	99.61
23 21 16 00-0147 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	307.12	132.79
23 21 16 00-0148 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	379.85	166.06
23 21 16 00-0149 Steel Pipe Sleeves <small>(23 21 16 00-0141)</small>		
Note: Includes link seals 12" length.		
23 21 16 00-0150 EA 2" Steel Pipe Sleeve With Link Seals	112.55	47.97
23 21 16 00-0151 EA 2-1/2" Steel Pipe Sleeve With Link Seals	131.10	52.00
23 21 16 00-0152 EA 3" Steel Pipe Sleeve With Link Seals	149.16	56.04
23 21 16 00-0153 EA 4" Steel Pipe Sleeve With Link Seals	181.84	67.22
23 21 16 00-0154 EA 6" Steel Pipe Sleeve With Link Seals	249.28	83.96
23 21 16 00-0155 EA 10" Steel Pipe Sleeve With Link Seals	419.03	100.78
23 21 16 00-0156 EA 13.25" Inside Diameter Steel Pipe Sleeve With Link Seals	461.17	125.98
23 21 16 00-0157 EA 17.25" Inside Diameter Steel Pipe Sleeve With Link Seals	657.88	155.01
23 21 16 00-0158 EA 23.25" Inside Diameter Steel Pipe Sleeve With Link Seals	892.39	201.57
23 21 16 00-0159 EA 29.25" Inside Diameter Steel Pipe Sleeve With Link Seals	922.21	251.97
23 21 16 00-0160 Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0161 Screwed Ends, Water Pressure Reducing Valves <small>(23 21 16 00-0160)</small>		
Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0162 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	115.74	13.53
For Work In Restricted Working Space, Add	16.23	
23 21 16 00-0163 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	138.67	15.16
For Work In Restricted Working Space, Add	18.04	
23 21 16 00-0164 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	173.18	16.23
For Work In Restricted Working Space, Add	19.10	
23 21 16 00-0165 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	274.60	18.18
For Work In Restricted Working Space, Add	21.65	
23 21 16 00-0166 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	365.84	21.65
For Work In Restricted Working Space, Add	25.97	
23 21 16 00-0167 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	529.53	33.17
For Work In Restricted Working Space, Add	39.85	
23 21 16 00-0168 EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	579.01	37.35
For Work In Restricted Working Space, Add	44.83	
23 21 16 00-0169 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	637.31	108.09
For Work In Restricted Working Space, Add	49.81	
23 21 16 00-0170 Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0160)</small>		
Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0171 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0170)</small>		
23 21 16 00-0172 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	183.66	18.19
For Work In Restricted Working Space, Add	21.80	
23 21 16 00-0173 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	237.38	25.77
For Work In Restricted Working Space, Add	30.93	
23 21 16 00-0174 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	301.08	31.40
For Work In Restricted Working Space, Add	37.77	
23 21 16 00-0175 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	389.31	38.10
For Work In Restricted Working Space, Add	43.89	
23 21 16 00-0176 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	504.40	43.30
For Work In Restricted Working Space, Add	49.97	
23 21 16 00-0177 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	593.86	60.47
For Work In Restricted Working Space, Add	60.47	
23 21 16 00-0178 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0170)</small>		
Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0179 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,254.03	70.95
For Work In Restricted Working Space, Add	71.99	
23 21 16 00-0180 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,538.56	80.63
For Work In Restricted Working Space, Add	81.72	
23 21 16 00-0181 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,112.67	149.57
For Work In Restricted Working Space, Add	155.06	
23 21 16 00-0182 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,749.91	171.00
For Work In Restricted Working Space, Add	178.11	
23 21 16 00-0183 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0160)</small>		
23 21 16 00-0184 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0183)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0185 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	827.01 19.81	13.21
23 21 16 00-0186 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	843.52 19.81	13.21
23 21 16 00-0187 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	906.69 25.01	16.67
23 21 16 00-0188 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,070.62 31.83	21.22
23 21 16 00-0189 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,226.22 36.70	24.47
23 21 16 00-0190 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,515.59 43.20	28.79
23 21 16 00-0191 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0183)</small>		
23 21 16 00-0192 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,933.38 72.26	48.18
23 21 16 00-0193 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	2,354.30 78.62	52.41
23 21 16 00-0194 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	3,734.35 173.57	115.70
23 21 16 00-0195 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	7,673.61 178.11	171.00
23 21 16 00-0196 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves <small>(23 21 16 00-0160)</small>		
23 21 16 00-0197 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	125.88	14.07
23 21 16 00-0198 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	151.59	15.59
23 21 16 00-0199 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	191.19	16.56
23 21 16 00-0200 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	307.89	18.84
23 21 16 00-0201 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	411.74	22.51
23 21 16 00-0202 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	594.75	34.47
23 21 16 00-0203 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	644.66	37.55
23 21 16 00-0204 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	714.81	43.23
23 21 16 00-0205 Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0160)</small>		
Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0206 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	110.71	13.53
23 21 16 00-0207 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	122.03	15.16
23 21 16 00-0208 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	145.49	16.77
23 21 16 00-0209 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	301.01	18.18
23 21 16 00-0210 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	330.91	21.65
23 21 16 00-0211 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	518.16	33.17
23 21 16 00-0212 Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0213 EA 1/2" Dual Unit Reducing And Relief Valve.....	127.73	33.02
23 21 16 00-0214 Safety Relief Valve <small>(23 21 16)</small>		
Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0215 Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0214)</small>		
Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0216 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve.....	63.91	13.53
23 21 16 00-0217 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve.....	80.15	14.89
23 21 16 00-0218 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve.....	108.47	18.13
23 21 16 00-0219 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	131.06	19.21
23 21 16 00-0220 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	178.85	25.70
23 21 16 00-0221 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	230.83	30.30
23 21 16 00-0222 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	269.39	37.88
23 21 16 00-0223 Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>		
23 21 16 00-0224 EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	63.23 22.66	27.60
23 21 16 00-0225 EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	79.37 31.58	33.12
23 21 16 00-0226 EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	112.39 50.29	44.15
23 21 16 00-0227 EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	162.80 106.88	47.30
23 21 16 00-0228 EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	250.13 204.46	53.03
23 21 16 00-0229 EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve..... <i>For Cast Iron Body, Add</i>	302.63 222.64	76.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0230	Horizontal Steel Expansion Tanks <small>(23 21 16)</small>	
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0231 EA 10 Gallon Horizontal Steel Expansion Tank.....	481.98	108.26
23 21 16 00-0232 EA 15 Gallon Horizontal Steel Expansion Tank.....	668.85	135.33
23 21 16 00-0233 EA 30 Gallon Horizontal Steel Expansion Tank.....	865.68	162.39
23 21 16 00-0234 EA 40 Gallon Horizontal Steel Expansion Tank.....	998.33	189.46
23 21 16 00-0235 EA 60 Gallon Horizontal Steel Expansion Tank.....	1,111.28	182.75
23 21 16 00-0236	Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks <small>(23 21 16)</small>	
Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0237 EA 7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,307.94	81.20
23 21 16 00-0238 EA 10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,368.30	94.73
23 21 16 00-0239 EA 21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,031.77	108.26
23 21 16 00-0240 EA 33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,117.59	121.79
23 21 16 00-0241 EA 44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,863.31	135.33
23 21 16 00-0242 EA 55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,021.58	148.86
23 21 16 00-0243 EA 68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,589.10	162.39
23 21 16 00-0244 EA 77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,841.36	175.92
23 21 16 00-0245 EA 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,232.65	189.46
23 21 16 00-0246 EA 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,357.27	216.52
23 21 16 00-0247 EA 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,459.04	243.59
23 21 16 00-0248 EA 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,257.29	270.65
23 21 16 00-0249 EA 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,266.33	324.78
23 21 16 00-0250	Vertical Diaphragm Type (Bladder) Steel Expansion Tanks <small>(23 21 16)</small>	
Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0251 EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,488.09	81.20
23 21 16 00-0252 EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,538.66	94.73
23 21 16 00-0253 EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,196.26	108.26
23 21 16 00-0254 EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,346.70	121.79
23 21 16 00-0255 EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,978.84	135.33
23 21 16 00-0256 EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,135.15	148.86
23 21 16 00-0257 EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,818.21	162.39
23 21 16 00-0258 EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,127.26	175.92
23 21 16 00-0259 EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,563.58	189.46
23 21 16 00-0260 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,682.33	216.52
23 21 16 00-0261 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,754.73	243.59
23 21 16 00-0262 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,674.38	270.65
23 21 16 00-0263 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,691.26	324.78
23 21 16 00-0264	Diaphragm Type (Residential Style) Steel Expansion Tanks <small>(23 21 16)</small>	
23 21 16 00-0265 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	60.85	9.96
23 21 16 00-0266 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	83.41	9.96
23 21 16 00-0267	Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <small>(23 21 16)</small>	
23 21 16 00-0268 EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	944.67	324.89
23 21 16 00-0269 EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	974.67	324.89
23 21 16 00-0270 EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,004.67	324.89
23 21 16 00-0271 EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,082.66	324.89
23 21 16 00-0272 EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,325.79	432.94
23 21 16 00-0273 EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,505.59	433.15
23 21 16 00-0274 EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,541.23	433.15
23 21 16 00-0275 EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,576.86	433.15
23 21 16 00-0276 EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,999.34	541.30
23 21 16 00-0277 EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,020.53	541.30
23 21 16 00-0278 EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,357.45	649.35
23 21 16 00-0279	ASME Construction Compression Tanks <small>(23 21 16)</small>	
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0280 EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	671.17	190.54
<i>For Galvanized Steel Tanks, Add</i>		
	191.24	
23 21 16 00-0281 EA 24 Gallon, 13" x 51" ASME Construction Compression Tank.....	685.82	195.95
<i>For Galvanized Steel Tanks, Add</i>		
	194.05	
23 21 16 00-0282 EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	740.56	202.45
<i>For Galvanized Steel Tanks, Add</i>		
	216.55	
23 21 16 00-0283 EA 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	803.08	210.03
<i>For Galvanized Steel Tanks, Add</i>		
	241.86	
23 21 16 00-0284 EA 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	920.56	221.94
<i>For Galvanized Steel Tanks, Add</i>		
	292.48	
23 21 16 00-0285 EA 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	956.68	230.60
<i>For Galvanized Steel Tanks, Add</i>		
	303.73	
23 21 16 00-0286 EA 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,161.69	251.17
<i>For Galvanized Steel Tanks, Add</i>		
	390.91	



Heating, Ventilating, And Air-Conditioning (HVAC)

23

HVAC Piping And Pumps

23 20

Hydronic Piping And Pumps

23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0287	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	1,263.46 427.47	269.57
23 21 16 00-0288	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	1,551.36 545.34	304.21
23 21 16 00-0289	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	1,945.49 708.70	348.60
23 21 16 00-0290	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	2,309.83 862.32	386.49
23 21 16 00-0291	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	2,524.58 943.87	420.05
23 21 16 00-0292	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	3,143.03 1,222.29	461.19
23 21 16 00-0293	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	3,254.06 1,253.72	492.59
23 21 16 00-0294	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,123.57 1,660.82	529.40
23 21 16 00-0295	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,696.31 2,877.46	621.42
23 21 16 00-0296 Compression Tank Air Fittings (23 21 16)					
23 21 16 00-0297	EA		9" To 24" Diameter Compression Tank Air Fittings.....	99.78	30.31
23 21 16 00-0298	EA		>100 Gallon Compression Tank Air Fittings	261.00	35.72
23 21 16 00-0299 Thermostatic Radiator Valves (23 21 16)					
Note: For hot water or two pipe low pressure steam.					
23 21 16 00-0300	EA		1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	54.81	17.46
23 21 16 00-0301	EA		3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	67.77	23.54
23 21 16 00-0302	EA		1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	89.28	28.49
23 21 16 00-0303	EA		1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	127.67	36.09
23 21 16 00-0304	EA		1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	54.81	17.46
23 21 16 00-0305	EA		3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	67.77	23.54
23 21 16 00-0306	EA		1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	89.28	28.49
23 21 16 00-0307	EA		1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	127.67	36.09
23 21 16 00-0308	EA		Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	63.30	13.53
23 21 16 00-0309	EA		Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	92.76	18.94
23 21 16 00-0310 Radiator Trap Repair Kits (23 21 16)					
Note: For hot water or two pipe low pressure steam.					
23 21 16 00-0311	EA		1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	87.94	
23 21 16 00-0312	EA		3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	109.28	
23 21 16 00-0313	EA		1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	108.23	
23 21 16 00-0314	EA		3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	123.78	
23 21 16 00-0315	EA		1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	275.57	
23 21 16 00-0316 Vortex Air Separators With Strainer (23 21 16)					
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.					
23 21 16 00-0317	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)..... <i>For 300 PSIG, Add</i>	1,011.60 99.36	230.60
23 21 16 00-0318	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,239.70 125.81	264.16
23 21 16 00-0319	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)..... <i>For 300 PSIG, Add</i>	1,850.30 206.94	310.71
23 21 16 00-0320	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)..... <i>For 300 PSIG, Add</i>	1,975.85 221.64	328.87
23 21 16 00-0321	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)..... <i>For 300 PSIG, Add</i>	2,557.40 283.95	438.49
23 21 16 00-0322	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)..... <i>For 300 PSIG, Add</i>	3,170.72 362.73	497.08
23 21 16 00-0323	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)..... <i>For 300 PSIG, Add</i>	3,749.21 434.46	562.87
23 21 16 00-0324	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)..... <i>For 300 PSIG, Add</i>	5,326.81 645.51	675.26
23 21 16 00-0325	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)..... <i>For 300 PSIG, Add</i>	8,068.79 1,035.88	767.55
23 21 16 00-0326	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)..... <i>For 300 PSIG, Add</i>	10,863.85 1,403.83	993.25
23 21 16 00-0327	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)..... <i>For 300 PSIG, Add</i>	22,217.62 3,058.52	1,206.15
23 21 16 00-0328	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	27,408.51 3,782.33	1,447.38
23 21 16 00-0329	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)..... <i>For 300 PSIG, Add</i>	35,665.26 4,966.01	1,688.60
23 21 16 00-0330	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)..... <i>For 300 PSIG, Add</i>	41,707.67 5,817.55	1,929.84
23 21 16 00-0331 Vortex Air Separators (23 21 16)					
Note: Without system strainer.					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0332	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)..... <i>For 300 PSIG, Add</i>	882.26 79.95	230.60
23 21	16 00-0333	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,098.61 104.65	264.16
23 21	16 00-0334	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	1,815.03 201.65	310.71
23 21	16 00-0335	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	1,666.23 175.19	328.87
23 21	16 00-0336	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)..... <i>For 300 PSIG, Add</i>	2,232.10 235.16	438.49
23 21	16 00-0337	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)..... <i>For 300 PSIG, Add</i>	2,829.74 311.59	497.08
23 21	16 00-0338	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)..... <i>For 300 PSIG, Add</i>	3,286.73 365.09	562.87
23 21	16 00-0339	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)..... <i>For 300 PSIG, Add</i>	8,642.56 1,142.87	675.26
23 21	16 00-0340	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)..... <i>For 300 PSIG, Add</i>	5,956.28 719.00	767.55
23 21	16 00-0341	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)..... <i>For 300 PSIG, Add</i>	9,088.88 1,137.58	993.25
23 21 16 00-0342 Grooved, With Strainer, Vortex Air Separators (23 21 16)					
23 21	16 00-0343	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	1,719.43	263.09
23 21	16 00-0344	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	2,424.20	350.56
23 21	16 00-0345	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	3,020.19	397.30
23 21	16 00-0346	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	3,578.59	450.30
23 21	16 00-0347	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	5,114.29	540.35
23 21	16 00-0348	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	8,141.90	614.04
23 21	16 00-0349	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	12,328.86	794.69
23 21 16 00-0350 Grooved Vortex Air Separators (23 21 16)					
Note: Without system strainer.					
23 21	16 00-0351	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,398.05	263.09
23 21	16 00-0352	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,098.90	350.56
23 21	16 00-0353	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	2,679.21	397.30
23 21	16 00-0354	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	3,116.11	450.30
23 21	16 00-0355	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	4,134.46	540.35
23 21	16 00-0356	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	5,998.03	614.04
23 21	16 00-0357	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	9,856.49	794.69
23 21 16 00-0358 Removable Head, Air Eliminator And Dirt Separator (23 21 16)					
Note: Spirovent VDN.					
23 21	16 00-0359	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	2,710.81	230.60
23 21	16 00-0360	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	2,941.66	264.16
23 21	16 00-0361	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,909.78	310.71
23 21	16 00-0362	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	4,519.98	476.36
23 21	16 00-0363	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	6,557.65	588.94
23 21	16 00-0364	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,401.28	666.89
23 21	16 00-0365	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	13,017.59	150.49
23 21	16 00-0366	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	19,105.85	909.40
23 21	16 00-0367	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	24,694.82	1,176.80
23 21 16 00-0368 Swivel Joints (23 21 16)					
23 21 16 00-0369 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0368)					
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.					
23 21	16 00-0370	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	234.60	28.47
23 21	16 00-0371	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	337.60	41.68
23 21	16 00-0372	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	466.78	48.72
23 21	16 00-0373	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	703.26	83.36
23 21	16 00-0374	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	894.90	115.14
23 21	16 00-0375	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,172.61	193.25
23 21	16 00-0376	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,147.38	270.65
23 21 16 00-0377 Basket Strainers (23 21 16)					
23 21 16 00-0378 Bronze Body Basket Strainers (23 21 16 00-0377)					
23 21 16 00-0379 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0378)					
23 21	16 00-0380	EA	1/2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	146.92 12.89	21.66
23 21	16 00-0381	EA	3/4" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	173.47 15.14	25.44
23 21	16 00-0382	EA	1" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	202.15 18.04	30.31
23 21	16 00-0383	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	247.12 20.12	33.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0384	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	289.75 22.71	37.89
23 21	16 00-0385	EA	2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	416.25 26.01	43.30
23 21	16 00-0386	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	584.98 34.84	57.92
23 21	16 00-0387	EA	3" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	799.26 36.95	61.71
23 21 16 00-0388 Flanged, Bronze Body Basket Strainers (23 21 16 00-0378)					
23 21	16 00-0389	EA	2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	751.71 75.68	126.13
23 21	16 00-0390	EA	2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,165.75 115.30	192.16
23 21	16 00-0391	EA	3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,378.13 148.44	247.38
23 21	16 00-0392	EA	4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,071.97 173.13	288.52
23 21	16 00-0393	EA	6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,686.78 219.30	365.50
23 21	16 00-0394	EA	8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,364.04 263.15	438.60
23 21 16 00-0395 Iron Body Basket Strainers (23 21 16 00-0377)					
23 21 16 00-0396 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0395)					
23 21	16 00-0397	EA	1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	160.94 12.89	21.66
23 21	16 00-0398	EA	3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	182.53 15.14	25.44
23 21	16 00-0399	EA	1" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	216.00 18.04	30.31
23 21	16 00-0400	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	275.96 20.12	33.56
23 21	16 00-0401	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	304.09 22.71	37.89
23 21	16 00-0402	EA	2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	359.46 26.01	43.30
23 21	16 00-0403	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	505.79 34.84	57.92
23 21	16 00-0404	EA	3" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	566.95 36.95	61.71
23 21 16 00-0405 Flanged, Iron Body Basket Strainers (23 21 16 00-0395)					
23 21	16 00-0406	EA	2" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	644.71 75.68	126.13
23 21	16 00-0407	EA	2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	913.26 115.30	192.16
23 21	16 00-0408	EA	3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,057.84 148.44	247.38
23 21	16 00-0409	EA	4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,424.51 173.13	288.52
23 21	16 00-0410	EA	6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,380.33 219.30	365.50
23 21	16 00-0411	EA	8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,919.89 263.15	438.60
23 21	16 00-0412	EA	10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,575.24 299.08	498.45
23 21	16 00-0413	EA	12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,721.50 387.02	645.11
23 21	16 00-0414	EA	14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,419.43 469.85	783.08
23 21	16 00-0415	EA	16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,359.56 658.05	1,096.41
23 21 16 00-0416 Cast Steel Body Basket Strainers (23 21 16 00-0377)					
23 21 16 00-0417 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0416)					
23 21	16 00-0418	EA	1" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	313.14 18.04	30.31
23 21	16 00-0419	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	404.75 20.12	33.56
23 21	16 00-0420	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	456.26 22.71	37.89
23 21	16 00-0421	EA	2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	628.06 26.01	43.30
23 21	16 00-0422	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	877.24 34.83	57.92
23 21	16 00-0423	EA	3" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,120.17 36.96	61.71

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0424 Flanged, Cast Steel Body Basket Strainers (2321 16 00-0416)				
23 21 16 00-0425	EA	2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,040.21 75.68	126.13
23 21 16 00-0426	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,536.76 115.30	192.16
23 21 16 00-0427	EA	3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,754.41 148.44	247.38
23 21 16 00-0428	EA	4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,345.92 173.13	288.52
23 21 16 00-0429	EA	6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,920.26 219.30	365.50
23 21 16 00-0430	EA	8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,103.26 263.15	438.60
23 21 16 00-0431 Stainless Steel Body Basket Strainers (2321 16 00-0377)				
23 21 16 00-0432 Screwed Ends, Stainless Steel Body Basket Strainers (2321 16 00-0431)				
23 21 16 00-0433	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	310.59 18.04	30.31
23 21 16 00-0434	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	437.77 20.12	33.56
23 21 16 00-0435	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	455.08 22.71	37.89
23 21 16 00-0436	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	660.74 26.01	43.30
23 21 16 00-0437	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	930.68 34.83	57.92
23 21 16 00-0438	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,294.84 36.96	61.71
23 21 16 00-0439 Flanged, Stainless Steel Body Basket Strainers (2321 16 00-0431)				
23 21 16 00-0440	EA	2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,106.53 75.68	126.13
23 21 16 00-0441	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,714.69 115.30	192.16
23 21 16 00-0442	EA	3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,997.48 148.44	247.38
23 21 16 00-0443	EA	4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,118.76 173.13	288.52
23 21 16 00-0444	EA	6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,698.49 219.30	365.50
23 21 16 00-0445	EA	8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	7,869.86 263.15	438.60
23 21 16 00-0446 Air Vents (2321 16)				
23 21 16 00-0447 Screwed Ends, Cast Iron, Automatic Air Vents (2321 16 00-0446)				
Note: With guided free floating lever.				
23 21 16 00-0448	EA	1/2" NPT, Cast Iron, Automatic Air Vent	202.71	31.40
23 21 16 00-0449	EA	3/4" NPT, Cast Iron, Automatic Air Vent	250.33	41.68
23 21 16 00-0450	EA	1" NPT, Cast Iron, Automatic Air Vent	528.79	43.30
23 21 16 00-0451	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	786.19	66.91
23 21 16 00-0452	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,278.92	72.00
23 21 16 00-0453	EA	2" NPT, Cast Iron, Automatic Air Vent	1,478.45	94.95
23 21 16 00-0454 Forged Steel, Stainless Steel Internals, Automatic Air Vents (2321 16 00-0446)				
Note: With guided free floating lever.				
23 21 16 00-0455	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,221.03	36.26
23 21 16 00-0456	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,527.62	41.68
23 21 16 00-0457	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,818.14	43.30
23 21 16 00-0458	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,980.03	67.12
23 21 16 00-0459	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	3,438.06	72.00
23 21 16 00-0460	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	5,046.49	94.73
23 21 16 00-0461 Manual Air Vent (2321 16 00-0446)				
23 21 16 00-0462	EA	Manual Air Vent	73.10	39.08
23 21 16 00-0463 Air Release Valves (2321 16 00-0446)				
23 21 16 00-0464 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (2321 16 00-0463)				
Note: Up to 175 psi. Stainless steel float.				
23 21 16 00-0465	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	149.25	16.24
23 21 16 00-0466	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	153.59	18.41
23 21 16 00-0467	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	162.25	22.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0468 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) ^(23 21 16 00-0463)		
Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0469 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	591.20	22.73
23 21 16 00-0470 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	714.85	39.51
23 21 16 00-0471 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,055.18	115.14
23 21 16 00-0472 Cast Iron, Air/Vacuum Valves ^(23 21 16 00-0463)		
Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0473 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	288.28	16.24
23 21 16 00-0474 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	356.89	22.73
23 21 16 00-0475 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	616.60	39.51
23 21 16 00-0476 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,010.69	115.14
23 21 16 00-0477 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,571.35	180.47
23 21 16 00-0478 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153).....	2,341.81	230.16
23 21 16 00-0479 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice ^(23 21 16 00-0463)		
Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0480 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	512.60	22.73
23 21 16 00-0481 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	789.00	39.51
23 21 16 00-0482 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,557.53	138.14
23 21 16 00-0483 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,047.75	180.47
23 21 23 Hydronic Pumps ^(23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps ^(23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump ^(23 21 23 13)		
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP.....	7,166.49	289.00
For Mechanical Seal, Add	503.99	
For Cast Steel Case, Add	1,133.99	
23 21 23 13-0003 EA 75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP.....	7,802.65	349.79
For Mechanical Seal, Add	540.29	
For Cast Steel Case, Add	1,215.66	
23 21 23 13-0004 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP.....	9,011.52	415.56
For Mechanical Seal, Add	621.27	
For Cast Steel Case, Add	1,397.85	
23 21 23 13-0005 EA 125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP.....	9,636.16	554.08
For Mechanical Seal, Add	638.02	
For Cast Steel Case, Add	1,435.54	
23 21 23 13-0006 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP.....	11,524.29	603.91
For Mechanical Seal, Add	776.99	
For Cast Steel Case, Add	1,748.23	
23 21 23 13-0007 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP.....	17,385.14	664.70
For Mechanical Seal, Add	1,231.36	
For Cast Steel Case, Add	2,770.57	
23 21 23 13-0008 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP.....	20,396.16	830.13
For Mechanical Seal, Add	1,432.38	
For Cast Steel Case, Add	3,222.86	
23 21 23 13-0009 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP.....	16,982.83	948.72
For Mechanical Seal, Add	1,130.84	
For Cast Steel Case, Add	2,544.40	
23 21 23 13-0010 EA 400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP.....	36,262.74	947.56
For Mechanical Seal, Add	2,673.60	
For Cast Steel Case, Add	6,015.59	
23 21 23 13-0011 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP.....	39,441.50	1,218.03
For Mechanical Seal, Add	2,862.92	
For Cast Steel Case, Add	6,441.57	
23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps ^(23 21 23)		
23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)		
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	3,357.30	315.91
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	3,731.96	316.30
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	4,886.22	415.56
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	5,438.19	511.23
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	5,996.05	511.23
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	5,916.98	554.08
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	6,234.14	554.08
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	6,800.62	580.99
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	7,679.10	738.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0049				Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA			100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP For 300 LB Flanges, Add	15,873.74 3,738.46	511.23
23 21 23 16-0051	EA			200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP For 300 LB Flanges, Add	17,195.53 4,049.74	554.08
23 21 23 16-0052	EA			300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP For 300 LB Flanges, Add	20,626.03 4,836.26	699.40
23 21 23 16-0053	EA			400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP For 300 LB Flanges, Add	40,379.78 9,654.61	961.02
23 21 23 16-0054	EA			800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP For 300 LB Flanges, Add	49,520.21 11,792.93	1,281.36
23 21 23 16-0055				Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056				Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA			3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	3,029.32	298.96
23 21 23 16-0058	EA			3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	3,257.48	298.96
23 21 23 16-0059	EA			5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	3,596.89	315.58
23 21 23 16-0060	EA			5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	3,798.73	315.58
23 21 23 16-0061	EA			7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	4,319.91	331.85
23 21 23 16-0062	EA			10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	5,072.29	380.73
23 21 23 16-0063	EA			15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	6,614.73	469.02
23 21 23 16-0064	EA			20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	7,089.05	507.64
23 21 23 16-0065	EA			25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	8,153.57	548.25
23 21 23 16-0066				Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA			1/3 HP, Centrifugal Pump, Polypropylene Body	1,856.69	154.49
23 21 23 16-0068	EA			1/2 HP, Centrifugal Pump, Polypropylene Body	1,981.69	163.80
23 21 23 16-0069	EA			3/4 HP, Centrifugal Pump, Polypropylene Body	2,327.98	174.41
23 21 23 23				Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small>		
23 21 23 23-0001				Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small> Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA			50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	8,526.13 726.38 296.75 211.49	738.44
23 21 23 23-0003	EA			100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	8,904.66 757.02 311.54 222.49	830.13
23 21 23 23-0004	EA			250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	10,539.16 895.23 369.47 264.08	726.38
23 21 23 23-0005	EA			500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	11,348.64 961.75 400.09 286.60	838.20
23 21 23 23-0006	EA			1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	13,827.18 1,164.52 494.74 356.47	907.24
23 21 23 23-0007	EA			2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	21,693.96 1,805.53 797.75 580.81	1,089.07
23 21 23 23-0008	EA			3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	26,007.25 2,168.09 952.78 692.70	1,361.34
23 21 23 23-0009	EA			4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	41,201.12 3,396.11 1,548.03 1,136.02	1,555.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	53,862.00 4,425.65 2,037.79 1,499.17	1,815.45
23 21	23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	75,140.85 6,151.29 2,865.61 2,114.20	2,178.15
23 21 29 Automatic Condensate Pump Units (23 21)					
23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)					
23 21	29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	167.62	32.39
23 21	29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	180.48	32.39
23 21	29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	275.10	37.37
23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)					
23 21	29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	95.37	24.92
23 21	29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	100.87	24.92
23 21	29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	163.41	32.39
23 21	29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	177.58	37.37
23 21	29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump.....	314.99	42.36
23 22 Steam And Condensate Piping And Pumps (23 20)					
23 22 13 Steam and Condensate Heating Piping (23 22)					
23 22 13 00-0001 Ric-Wil System Pipe And Casing (23 22 13)					
Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.					
23 22 13 00-0002 Steam Pipe (23 22 13 00-0001)					
Note: Includes condensate return.					
23 22	13 00-0003	LF	1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	76.64	14.10
23 22	13 00-0004	LF	1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	82.17	16.12
23 22	13 00-0005	LF	1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	94.28	18.13
23 22	13 00-0006	LF	3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return.....	144.80	28.21
23 22	13 00-0007	LF	4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return.....	190.27	38.29
23 22 13 00-0008 Steam Or Condensate Pipe (23 22 13 00-0001)					
Note: Excludes return.					
23 22	13 00-0009	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line.....	59.02	9.07
23 22	13 00-0010	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line.....	62.83	10.08
23 22	13 00-0011	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line.....	73.60	12.09
23 22	13 00-0012	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line.....	97.95	18.13
23 22	13 00-0013	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line.....	134.51	27.20
23 22 16 Steam And Condensate Heating Piping Specialties (23 22)					
23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)					
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)					
Note: Up to 150 PSI.					
23 22	16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	509.56	15.59
23 22	16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	542.26	21.00
23 22	16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	716.98	25.87
23 22	16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	797.03	32.69
23 22	16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	823.45	37.56
23 22	16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	968.29	40.84
23 22	16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,263.78	74.81
23 22	16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,566.64	81.58
23 22	16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,394.02	190.97
23 22	16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,852.92	224.14
23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)					
23 22	16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	745.26	15.59
23 22	16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	778.32	21.00
23 22	16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	818.35	25.87
23 22	16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	981.72	32.69
23 22	16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,055.36	37.56
23 22	16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,196.02	40.84
23 22	16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,849.79	74.81
23 22	16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,125.55	81.58
23 22	16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,049.24	190.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0023 EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,808.95	224.14
23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small>		
23 22 16 00-0025 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,008.07	15.59
23 22 16 00-0026 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,029.66	21.00
23 22 16 00-0027 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,130.79	25.87
23 22 16 00-0028 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,237.23	32.69
23 22 16 00-0029 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,287.26	37.56
23 22 16 00-0030 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,450.15	40.84
23 22 16 00-0031 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,682.97	74.81
23 22 16 00-0032 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,963.18	81.58
23 22 16 00-0033 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,869.37	190.97
23 22 16 00-0034 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,366.39	224.14
23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small>		
23 22 16 00-0036 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,285.80	15.59
23 22 16 00-0037 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,306.01	21.00
23 22 16 00-0038 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,422.41	25.87
23 22 16 00-0039 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,489.95	32.69
23 22 16 00-0040 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,552.48	37.56
23 22 16 00-0041 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,690.38	40.84
23 22 16 00-0042 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,821.84	74.81
23 22 16 00-0043 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,109.11	81.58
23 22 16 00-0044 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,015.30	190.97
23 22 16 00-0045 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,512.32	224.14
23 22 16 00-0046 High Temperature Safety Relief Valve <small>(23 22 16)</small>		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water <small>(23 22 16 00-0046)</small>		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048 Threaded <small>(23 22 16 00-0047)</small>		
23 22 16 00-0049 EA 3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	221.38	16.23
23 22 16 00-0050 EA 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	237.10	19.21
23 22 16 00-0051 EA 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	269.25	24.35
23 22 16 00-0052 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	324.84	27.06
23 22 16 00-0053 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	412.55	33.28
23 22 16 00-0054 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	606.58	37.88
23 22 16 00-0055 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	662.82	43.56
23 22 16 00-0056 Flanged <small>(23 22 16 00-0047)</small>		
23 22 16 00-0057 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,333.02	27.06
23 22 16 00-0058 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,537.11	32.46
23 22 16 00-0059 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,789.28	54.79
23 22 16 00-0060 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,128.44	59.76
23 22 16 00-0061 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,311.23	64.75
23 22 16 00-0062 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	2,696.37	74.72
23 22 16 00-0063 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,519.02	119.64
23 22 16 00-0064 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	8,673.17	124.52
23 22 16 00-0065 Bronze Body Safety Valve, Threaded, Steam <small>(23 22 16 00-0046)</small>		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	234.12	14.89
23 22 16 00-0067 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	242.22	16.23
23 22 16 00-0068 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	280.74	17.86
23 22 16 00-0069 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	308.78	19.21
23 22 16 00-0070 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	355.85	21.65
23 22 16 00-0071 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	363.92	24.35
23 22 16 00-0072 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	405.25	25.70
23 22 16 00-0073 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	439.32	27.06
23 22 16 00-0074 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	592.41	30.30
23 22 16 00-0075 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	647.83	33.28
23 22 16 00-0076 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	768.56	37.88
23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water <small>(23 22 16 00-0046)</small>		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	129.20	14.89
23 22 16 00-0079 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	145.50	16.23
23 22 16 00-0080 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water	190.37	17.86
23 22 16 00-0081 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	208.51	19.21
23 22 16 00-0082 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	286.78	21.65

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0083 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	378.43	25.70
23 22 16 00-0084 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	534.64	30.30
23 22 16 00-0085 Steam Traps (23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	223.46	32.47
<i>For Work In Restricted Working Space, Add</i>	19.49	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	226.16	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	327.33	36.05
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	523.66	49.20
<i>For Work In Restricted Working Space, Add</i>	29.53	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	771.30	60.63
<i>For Work In Restricted Working Space, Add</i>	36.08	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	992.76	90.21
<i>For Work In Restricted Working Space, Add</i>	54.13	
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	235.89	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	305.41	36.08
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	380.63	49.21
<i>For Work In Restricted Working Space, Add</i>	29.53	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	510.75	60.14
<i>For Work In Restricted Working Space, Add</i>	36.09	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	921.39	90.18
<i>For Work In Restricted Working Space, Add</i>	54.13	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	294.45	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	319.59	36.05
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	419.28	49.20
<i>For Work In Restricted Working Space, Add</i>	29.53	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	595.79	60.08
<i>For Work In Restricted Working Space, Add</i>	36.09	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,007.73	90.21
<i>For Work In Restricted Working Space, Add</i>	54.13	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	375.64	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	417.53	36.08
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	631.91	49.20
<i>For Work In Restricted Working Space, Add</i>	29.53	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	653.79	60.08
<i>For Work In Restricted Working Space, Add</i>	36.09	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,251.27	90.21
<i>For Work In Restricted Working Space, Add</i>	54.13	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	380.79	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	417.53	36.08
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	631.91	49.20
<i>For Work In Restricted Working Space, Add</i>	29.53	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	653.79	60.08
<i>For Work In Restricted Working Space, Add</i>	36.09	
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,251.27	90.21
<i>For Work In Restricted Working Space, Add</i>	54.13	
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	124.74	32.47
<i>For Work In Restricted Working Space, Add</i>	19.49	
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	195.22	33.83
<i>For Work In Restricted Working Space, Add</i>	20.30	
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	237.41	36.05
<i>For Work In Restricted Working Space, Add</i>	21.65	
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	249.09	29.23
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	345.88	32.47
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	424.60	33.83
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	563.13	36.05
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded Spirax Sarco S1.....	303.47	54.13
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded Spirax Sarco S1.....	350.28	73.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded	414.14	82.28
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded	499.08	94.19
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged.....	768.80	144.36
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged.....	935.25	173.22
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged.....	1,230.61	216.52
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged.....	1,887.14	288.52
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged.....	3,656.18	382.16
23 22 16 00-0133 Steam/Condensate Meter ^(23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	3,452.19	59.76
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	3,897.06	70.23
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	4,142.91	87.16
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	4,409.66	114.56
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	4,921.53	134.98
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	9,730.24	831.78
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	10,054.14	881.88
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141 EA 10" Steam/Condensate Meter.....	10,451.72	921.64
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142 EA 12" Steam/Condensate Meter.....	10,912.35	981.20
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0143 EA 14" Steam/Condensate Meter.....	11,600.20	1,066.07
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0144 EA 16" Steam/Condensate Meter.....	11,974.14	1,105.82
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 22 23 Steam Condensate Pumps ^(23 22)

23 22 23 13 Electric-Driven Steam Condensate Pumps ^(23 22 23)

23 22 23 13-0001 Simplex Condensate Pumps And Motors ^(23 22 23 13)

Note: Cast iron receiver, float switch.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0002 20 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,757.33	507.25
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,222.26	521.20
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,327.08	556.07
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,549.04	562.06
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,843.79	611.89
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,102.79	611.89
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,179.57	653.74
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,067.41	683.63
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,125.25	713.53
23 22 23 13-0012 30 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,006.15	542.12
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,573.08	556.07
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,675.89	592.95
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,082.64	640.78
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,179.57	654.74
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,296.45	677.66
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,431.25	713.53
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,122.02	759.37
23 22 23 13-0021 40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,240.74	621.84
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,792.67	671.67
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,249.51	663.70
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,276.45	677.66
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,371.29	706.56
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,125.25	713.53
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,207.02	759.37
23 22 23 13-0029 50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,086.46	673.67
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,014.39	687.62
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,437.36	692.61
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,452.05	753.39
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,920.74	812.19
23 22 23 13-0035 Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>		
Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,856.43	680.65
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,034.09	747.42
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,298.05	753.39
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,679.69	821.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,038.69	821.15
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,148.36	884.94
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,064.15	923.80
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,220.90	969.64
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,660.15	733.46
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,841.80	801.23
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,247.43	781.29
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,148.36	884.94
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,297.19	917.82
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,020.90	969.64
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,325.54	1,039.40
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,991.45	865.00
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,394.25	903.87
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,309.19	917.82
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,466.95	963.67
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,221.90	969.64
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,349.54	1,039.40
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,157.45	865.00
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,492.02	950.71
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,595.58	1,032.43
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	9,540.13	1,118.13
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated.....	37.60	10.82
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated.....	39.35	10.82
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated.....	45.84	10.82
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated.....	61.55	11.90
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated.....	80.99	13.53
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated.....	126.36	16.66
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless.....	37.49	11.26
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless.....	44.77	12.35
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless.....	82.11	16.89
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed.....	139.52	24.57
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed.....	183.23	30.10
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed.....	219.94	33.88
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed.....	302.96	38.65
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed.....	554.16	108.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed.....	719.32	135.33
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed.....	1,008.89	180.47
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration.....	51.14	10.83
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration.....	124.55	11.90
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration.....	145.84	13.53
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration.....	193.75	14.40
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration.....	248.22	16.67
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration.....	353.44	19.71
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration.....	496.42	28.91
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration.....	642.86	37.89
23 23 13 00-0031 Solenoid Valves (23 23 13)		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration.....	100.91	10.83
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration.....	102.83	10.83
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration.....	129.48	11.90
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration.....	129.48	11.90
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration.....	175.89	13.53
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration.....	270.67	14.40
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration.....	468.28	16.67
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration.....	483.42	19.71
23 23 16 Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	4.87	2.93
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	4.96	2.93
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.05	2.93
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.39	2.93
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.56	3.04
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	6.33	3.25
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.82	3.25
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	7.98	3.79
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	9.57	4.00
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	12.34	4.88
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	17.22	5.63
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	20.13	6.06
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized.		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.84	3.04
For Medical Applications "Oxygen Clean", Add		0.52
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.49	3.04
For Medical Applications "Oxygen Clean", Add		0.56
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.89	3.04
For Medical Applications "Oxygen Clean", Add		0.58
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	9.98	4.54
For Medical Applications "Oxygen Clean", Add		0.84
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	10.89	4.88
For Medical Applications "Oxygen Clean", Add		0.91
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	12.50	4.88
For Medical Applications "Oxygen Clean", Add		0.99
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	15.47	5.63
For Medical Applications "Oxygen Clean", Add		1.20
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	18.64	6.49
For Medical Applications "Oxygen Clean", Add		1.42
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	26.16	8.12
For Medical Applications "Oxygen Clean", Add		1.92
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	39.26	12.24
For Medical Applications "Oxygen Clean", Add		2.88
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	50.62	15.16
For Medical Applications "Oxygen Clean", Add		3.67
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	63.49	17.97
For Medical Applications "Oxygen Clean", Add		4.53
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	78.34	21.66
For Medical Applications "Oxygen Clean", Add		5.54
23 23 16 00-0028 Refrigeration Fittings (23 23 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	20.80	11.69
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	20.80	11.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	21.65	11.69
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	21.32	11.69
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	21.32	11.69
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	24.19	11.69
23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	34.15	19.48
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	35.43	19.48
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	42.41	19.48
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	18.44	11.69
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	19.30	11.69
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	20.52	11.69
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	19.54	11.69
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	20.71	11.69
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	20.71	11.69
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut	18.96	11.69
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut	19.30	11.69
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut	23.03	11.69
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	18.47	11.69
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	19.25	11.69
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	19.41	11.69
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		
23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	18.24	11.69
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	18.10	11.69
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	18.31	11.69
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	19.08	12.24
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	26.09	16.13
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	32.20	16.57
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling	33.60	20.57
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling	47.13	28.15
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling	56.05	33.02
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling	70.85	40.05
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling	115.62	60.85
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling	153.27	80.01
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling	218.20	95.05
23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0074 EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	20.08	11.69
23 23 16 00-0075 EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	20.22	11.69
23 23 16 00-0076 EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	20.08	11.69
23 23 16 00-0077 EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.47	12.24
23 23 16 00-0078 EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	29.85	16.13
23 23 16 00-0079 EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	30.37	16.57
23 23 16 00-0080 EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	38.26	20.57
23 23 16 00-0081 EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	49.81	28.15
23 23 16 00-0082 EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	61.42	33.02
23 23 16 00-0083 EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	81.59	40.05
23 23 16 00-0084 EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	134.40	60.85
23 23 16 00-0085 EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	174.29	80.01
23 23 16 00-0086 EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	281.49	95.05
23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0088 EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	22.39	11.69
23 23 16 00-0089 EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	21.17	11.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0090 EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	22.13	11.69
23 23 16 00-0091 EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	22.58	12.24
23 23 16 00-0092 EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	28.50	16.13
23 23 16 00-0093 EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	30.23	16.57
23 23 16 00-0094 EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	39.54	20.57
23 23 16 00-0095 EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	56.38	28.15
23 23 16 00-0096 EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	68.59	33.02
23 23 16 00-0097 EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	110.04	40.05
23 23 16 00-0098 EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	170.41	60.85
23 23 16 00-0099 EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	224.89	80.01
23 23 16 00-0100 EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	423.53	95.05
23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0102 EA 1/4" ACR Wrought Copper 45 Degree Elbow	24.06	11.69
23 23 16 00-0103 EA 3/8" ACR Wrought Copper 45 Degree Elbow	22.39	11.69
23 23 16 00-0104 EA 1/2" ACR Wrought Copper 45 Degree Elbow	21.67	11.69
23 23 16 00-0105 EA 5/8" ACR Wrought Copper 45 Degree Elbow	20.08	12.24
23 23 16 00-0106 EA 3/4" ACR Wrought Copper 45 Degree Elbow	31.64	16.13
23 23 16 00-0107 EA 7/8" ACR Wrought Copper 45 Degree Elbow	27.76	16.57
23 23 16 00-0108 EA 1-1/8" ACR Wrought Copper 45 Degree Elbow	38.24	20.57
23 23 16 00-0109 EA 1-3/8" ACR Wrought Copper 45 Degree Elbow	52.18	28.15
23 23 16 00-0110 EA 1-5/8" ACR Wrought Copper 45 Degree Elbow	61.57	33.02
23 23 16 00-0111 EA 2-1/8" ACR Wrought Copper 45 Degree Elbow	80.03	40.05
23 23 16 00-0112 EA 2-5/8" ACR Wrought Copper 45 Degree Elbow	133.87	60.85
23 23 16 00-0113 EA 3-1/8" ACR Wrought Copper 45 Degree Elbow	179.56	80.01
23 23 16 00-0114 EA 4-1/8" ACR Wrought Copper 45 Degree Elbow	269.43	95.05
23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)		
Note: C x C x C		
23 23 16 00-0116 EA 1/4" ACR Wrought Copper Tee.....	34.48	19.48
23 23 16 00-0117 EA 3/8" ACR Wrought Copper Tee.....	34.77	19.48
23 23 16 00-0118 EA 1/2" ACR Wrought Copper Tee.....	33.68	19.48
23 23 16 00-0119 EA 5/8" ACR Wrought Copper Tee.....	38.34	24.57
23 23 16 00-0120 EA 3/4" ACR Wrought Copper Tee.....	46.90	24.57
23 23 16 00-0121 EA 7/8" ACR Wrought Copper Tee.....	41.13	24.90
23 23 16 00-0122 EA 1-1/8" ACR Wrought Copper Tee	61.29	33.02
23 23 16 00-0123 EA 1-3/8" ACR Wrought Copper Tee	75.87	40.05
23 23 16 00-0124 EA 1-5/8" ACR Wrought Copper Tee	95.71	47.52
23 23 16 00-0125 EA 2-1/8" ACR Wrought Copper Tee	133.16	63.33
23 23 16 00-0126 EA 2-5/8" ACR Wrought Copper Tee	284.27	138.25
23 23 16 00-0127 EA 3-1/8" ACR Wrought Copper Tee	338.48	152.00
23 23 16 00-0128 EA 4-1/8" ACR Wrought Copper Tee	520.82	168.89
23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
Note: C x M		
23 23 16 00-0130 EA 1/4" ACR Wrought Copper Male Adapter.....	25.72	11.69
23 23 16 00-0131 EA 3/8" ACR Wrought Copper Male Adapter.....	28.40	11.69
23 23 16 00-0132 EA 1/2" ACR Wrought Copper Male Adapter.....	23.95	11.69
23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
Note: C x F		
23 23 16 00-0134 EA 1/4" ACR Wrought Copper Female Adapter	24.67	11.69
23 23 16 00-0135 EA 3/8" ACR Wrought Copper Female Adapter	23.14	11.69
23 23 16 00-0136 EA 1/2" ACR Wrought Copper Female Adapter	23.72	11.69
23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)		
Note: C		
23 23 16 00-0138 EA 1/4" ACR Wrought Copper Cap	12.93	7.79
23 23 16 00-0139 EA 3/8" ACR Wrought Copper Cap	12.44	7.79
23 23 16 00-0140 EA 1/2" ACR Wrought Copper Cap	12.92	7.79
23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0142 EA 5/8" ACR Wrought Copper P-Trap.....	64.72	9.97
23 23 16 00-0143 EA 3/4" ACR Wrought Copper P-Trap.....	84.78	10.96
23 23 16 00-0144 EA 7/8" ACR Wrought Copper P-Trap.....	78.40	10.96
23 23 16 00-0145 EA 1-1/8" ACR Wrought Copper P-Trap.....	102.38	11.96
23 23 16 00-0146 EA 1-3/8" ACR Wrought Copper P-Trap.....	175.23	11.96
23 23 16 00-0147 EA 1-5/8" ACR Wrought Copper P-Trap.....	239.22	12.96
23 23 16 00-0148 EA 2-1/8" ACR Wrought Copper P-Trap.....	405.40	13.95
23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0150 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	44.31	14.95
23 23 16 00-0151 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	53.38	17.93



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0152	EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	63.93	21.93
23 23 16 00-0153	EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	71.26	24.92
23 23 16 00-0154	EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	93.94	31.89
23 23 16 00-0155	EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	110.69	38.87
23 23 16 00-0156	EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	158.61	45.84
23 23 16 00-0157	EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	201.26	62.79
23 23 16 00-0158	EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	248.30	77.73
23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)			
23 23 16 00-0160 Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)			
23 23 16 00-0161	EA 5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	313.58	8.97
23 23 16 00-0162	EA 7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	330.41	10.96
23 23 16 00-0163	EA 1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	425.22	10.96
23 23 16 00-0164	EA 1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	438.82	11.96
23 23 16 00-0165	EA 1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	501.04	12.96
23 23 16 00-0166	EA 2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	587.19	13.95
23 23 16 00-0167	EA 2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	690.80	14.95
23 23 16 00-0168	EA 3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	862.69	14.95
23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)			
23 23 16 00-0170	EA 1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	72.25	8.97
23 23 16 00-0171	EA 3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	92.37	8.97
23 23 16 00-0172	EA 1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	116.95	9.97
23 23 16 00-0173	EA 1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	133.30	9.97
23 23 16 00-0174	EA 5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	147.86	9.97
23 23 16 00-0175	EA 5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	162.01	9.97
23 23 16 00-0176	EA 7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	183.31	10.96
23 23 16 00-0177	EA 7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	239.39	10.96
23 23 16 00-0178	EA 1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	265.60	10.96
23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)			
23 23 16 00-0180	EA 1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	89.80	8.97
23 23 16 00-0181	EA 3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	104.87	8.97
23 23 16 00-0182	EA 1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	127.17	9.97
23 23 16 00-0183	EA 3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	109.83	8.97
23 23 16 00-0184	EA 1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	137.40	9.97
23 23 16 00-0185	EA 5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	163.76	9.97
23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers (23 23 16)			
23 23 16 00-0187	EA 3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	86.89	8.97
23 23 16 00-0188	EA 1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	96.16	8.97
23 23 16 00-0189	EA 5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	115.09	8.97
23 23 16 00-0190	EA 7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	155.70	10.96
23 23 16 00-0191	EA 1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	204.80	10.96
23 23 16 00-0192	EA 1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	244.21	11.96
23 23 16 00-0193	EA 1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	307.91	12.96
23 23 16 00-0194	EA 2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	509.46	13.95
23 23 16 00-0195	EA 2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	582.01	14.95
23 23 16 00-0196	EA 3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	722.54	14.95
23 23 16 00-0197 Expansion Valves And Vibration Absorbers (23 23 16)			
23 23 16 00-0198 Thermostatic Expansion Valves (23 23 16 00-0197)			
Note: Outside diameter pipe sizes. Sporlan TP-S.			
23 23 16 00-0199	EA 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	159.95	8.97
23 23 16 00-0200	EA 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	222.01	9.97
23 23 16 00-0201	EA 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	357.11	9.97
23 23 16 00-0202	EA 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	424.41	10.96
23 23 16 00-0203	EA 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	474.24	10.96
23 23 16 00-0204 Electric Expansion Valves (23 23 16 00-0197)			
Note: Sporlan SEI or SEH.			
23 23 16 00-0205	EA 1/2 To 11 Ton Electric Expansion Valve	309.54	12.45
Note: Sporlan SEI.			
23 23 16 00-0206	EA 25 Ton Electric Expansion Valve	351.85	12.96
Note: Sporlan SEI.			
23 23 16 00-0207	EA 50 Ton Electric Expansion Valve	394.33	13.46
Note: Sporlan SEI.			
23 23 16 00-0208	EA 100 Ton Electric Expansion Valve	475.82	13.46
Note: Sporlan SEH.			
23 23 16 00-0209	EA 175 Ton Electric Expansion Valve	531.91	13.95
Note: Sporlan SEH.			

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0210			Braided Stainless Steel Over Copper Vibration Absorber <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	42.84	12.96
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	45.86	14.95
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	58.52	18.93
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	64.86	22.92
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	77.31	27.90
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	88.67	31.89
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	126.90	11.96
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	171.20	12.96
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	207.97	12.96
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	271.92	13.95
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	444.03	14.95
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	576.49	14.95
23 23 16 00-0223			Accumulator, Refrigerant Suction Line <small>(23 23 16)</small>		
23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line.....	141.48	45.34
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line.....	192.52	62.28
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line.....	237.21	83.01
23 23 16 00-0227	EA		1-3/8" Accumulator, Refrigeration Suction Line.....	319.14	99.65
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line.....	428.73	124.57
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line.....	631.68	166.13
23 23 16 00-0230			Special Chemicals/Component <small>(23 23 16)</small>		
23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100%.....	21.73	
23 23 16 00-0232	GAL		Remove/Store For Reuse Inhibited Propylene Glycol.....	7.73	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100%.....	15.13	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush.....	221.81	
			Note: Up to 10 ton AC system.		
23 23 23			Refrigerants <small>(23 23)</small>		
23 23 23 00-0001			Refrigerant <small>(23 23 23)</small>		
23 23 23 00-0002	LB		Refrigerant R-113.....	23.59	
23 23 23 00-0003	LB		Refrigerant R-123.....	21.99	
23 23 23 00-0004	LB		Refrigerant R-134A.....	8.29	
23 23 23 00-0005	LB		Refrigerant R-404A.....	10.71	
23 23 23 00-0006	LB		Refrigerant R-407C.....	10.28	
23 23 23 00-0007	LB		Refrigerant R-408A.....	31.64	
23 23 23 00-0008	LB		Refrigerant R-409A.....	34.67	
23 23 23 00-0009	LB		Refrigerant R-410A.....	8.52	
23 23 23 00-0010	LB		Refrigerant R-500.....	27.06	
23 23 23 00-0011	LB		Refrigerant R-502.....	31.00	
23 23 23 00-0012	LB		Refrigerant R-507.....	10.28	
23 25			HVAC Water Treatment <small>(23 20)</small>		
23 25 13			Water Treatment For Closed-Loop Hydronic Systems <small>(23 25)</small>		
23 25 13 00-0001			Polyethylene Chemical Storage Tanks <small>(23 25 13)</small>		
23 25 13 00-0002	EA		15 Gallon Chemical Storage Tank, Polyethylene.....	221.03	83.26
23 25 13 00-0003			Gas Chlorinator <small>(23 25 13)</small>		
23 25 13 00-0004	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,091.86	378.80
			<i>For Booster Pump, Add</i>	425.55	
23 25 13 00-0005	EA		Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,247.42	432.91
			<i>For Booster Pump, Add</i>	486.44	
23 25 13 00-0006	EA		Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,721.90	327.93
			<i>For Booster Pump, Add</i>	595.27	
23 25 13 00-0007			Bypass Shot Feeders <small>(23 25 13)</small>		
			Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008			In Line Mount, 125 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009	EA		1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	993.71	282.02
23 25 13 00-0010			Floor Mount, 175 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,461.53	424.53
23 25 13 00-0012	EA		12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,927.02	562.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 25 13 00-0013	Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,461.53	424.53
23 25 13 00-0015	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,927.02	562.06
23 25 13 00-0016	Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,828.77	424.53
23 25 13 00-0018	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,308.33	562.06

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts And Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0003	LB Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	10.28	
	For Flat Oval, Add	0.17	
	For Up To 200, Add	3.42	
	For >200 To 500, Add	2.13	
	For >500 To 1,000, Add	1.52	
	For >1,000 To 2,000, Add	0.86	
	For >2,000 To 5,000, Add	0.40	
	For Work In Restricted Working Space, Add	2.75	
23 31 13 13-0004	LB Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install	11.71	3.26
	For Flat Oval, Add	0.18	
	For Up To 200, Add	3.87	
	For >200 To 500, Add	2.40	
	For >500 To 1,000, Add	1.72	
	For >1,000 To 2,000, Add	0.97	
	For >2,000 To 5,000, Add	0.46	
	For Work In Restricted Working Space, Add	3.16	
23 31 13 13-0005	LB Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install.....	14.07	3.73
	For Flat Oval, Add	0.19	
	For Up To 200, Add	4.60	
	For >200 To 500, Add	2.85	
	For >500 To 1,000, Add	2.06	
	For >1,000 To 2,000, Add	1.16	
	For >2,000 To 5,000, Add	0.55	
	For Work In Restricted Working Space, Add	3.84	
23 31 13 13-0006	LB Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	6.39	2.80
	For Polyvinyl Chloride (PVC) Coated, Add	0.35	
	For Flat Oval, Add	0.26	
	For Up To 200, Add	2.44	
	For >200 To 500, Add	1.58	
	For >500 To 1,000, Add	1.02	
	For >1,000 To 2,000, Add	0.56	
	For >2,000 To 5,000, Add	0.24	
	For Work In Restricted Working Space, Add	1.40	
23 31 13 13-0007	LB Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	7.39	3.26
	For Polyvinyl Chloride (PVC) Coated, Add	0.43	
	For Flat Oval, Add	0.32	
	For Up To 200, Add	2.86	
	For >200 To 500, Add	1.86	
	For >500 To 1,000, Add	1.18	
	For >1,000 To 2,000, Add	0.66	
	For >2,000 To 5,000, Add	0.27	
	For Work In Restricted Working Space, Add	1.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0008	LB Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	8.98	3.73
	<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.52	
	<i>For Flat Oval, Add</i>	0.39	
	<i>For Up To 200, Add</i>	3.48	
	<i>For >200 To 500, Add</i>	2.27	
	<i>For >500 To 1,000, Add</i>	1.44	
	<i>For >1,000 To 2,000, Add</i>	0.80	
	<i>For >2,000 To 5,000, Add</i>	0.33	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
23 31 13 13-0009	Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small> Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0010	30 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0011	LF 4" x 4", 30 Gauge Galvanized Steel Duct	6.16	2.70
	<i>For Flat Oval, Add</i>	0.25	
	<i>For Work In Restricted Working Space, Add</i>	1.35	
23 31 13 13-0012	LF 4" x 6", 30 Gauge Galvanized Steel Duct	7.69	3.36
	<i>For Flat Oval, Add</i>	0.31	
	<i>For Work In Restricted Working Space, Add</i>	1.68	
23 31 13 13-0013	LF 4" x 8", 30 Gauge Galvanized Steel Duct	9.23	4.04
	<i>For Flat Oval, Add</i>	0.38	
	<i>For Work In Restricted Working Space, Add</i>	2.02	
23 31 13 13-0014	LF 4" x 10", 30 Gauge Galvanized Steel Duct	10.76	4.71
	<i>For Flat Oval, Add</i>	0.44	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
23 31 13 13-0015	LF 4" x 12", 30 Gauge Galvanized Steel Duct	12.32	5.38
	<i>For Flat Oval, Add</i>	0.50	
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 31 13 13-0016	LF 4" x 14", 30 Gauge Galvanized Steel Duct	13.83	6.06
	<i>For Flat Oval, Add</i>	0.56	
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 31 13 13-0017	LF 4" x 16", 30 Gauge Galvanized Steel Duct	15.37	6.73
	<i>For Flat Oval, Add</i>	0.62	
	<i>For Work In Restricted Working Space, Add</i>	3.37	
23 31 13 13-0018	LF 6" x 6", 30 Gauge Galvanized Steel Duct	9.23	4.04
	<i>For Flat Oval, Add</i>	0.38	
	<i>For Work In Restricted Working Space, Add</i>	2.02	
23 31 13 13-0019	LF 6" x 8", 30 Gauge Galvanized Steel Duct	10.76	4.71
	<i>For Flat Oval, Add</i>	0.44	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
23 31 13 13-0020	LF 6" x 10", 30 Gauge Galvanized Steel Duct	12.32	5.38
	<i>For Flat Oval, Add</i>	0.50	
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 31 13 13-0021	LF 6" x 12", 30 Gauge Galvanized Steel Duct	13.83	6.06
	<i>For Flat Oval, Add</i>	0.56	
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 31 13 13-0022	LF 6" x 14", 30 Gauge Galvanized Steel Duct	15.37	6.73
	<i>For Flat Oval, Add</i>	0.62	
	<i>For Work In Restricted Working Space, Add</i>	3.37	
23 31 13 13-0023	LF 6" x 16", 30 Gauge Galvanized Steel Duct	16.92	7.41
	<i>For Flat Oval, Add</i>	0.69	
	<i>For Work In Restricted Working Space, Add</i>	3.70	
23 31 13 13-0024	LF 8" x 8", 30 Gauge Galvanized Steel Duct	12.32	5.38
	<i>For Flat Oval, Add</i>	0.50	
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 31 13 13-0025	LF 8" x 10", 30 Gauge Galvanized Steel Duct	13.83	6.06
	<i>For Flat Oval, Add</i>	0.56	
	<i>For Work In Restricted Working Space, Add</i>	3.03	
23 31 13 13-0026	LF 8" x 12", 30 Gauge Galvanized Steel Duct	15.37	6.73
	<i>For Flat Oval, Add</i>	0.62	
	<i>For Work In Restricted Working Space, Add</i>	3.37	
23 31 13 13-0027	LF 8" x 14", 30 Gauge Galvanized Steel Duct	16.92	7.41
	<i>For Flat Oval, Add</i>	0.69	
	<i>For Work In Restricted Working Space, Add</i>	3.70	
23 31 13 13-0028	LF 8" x 16", 30 Gauge Galvanized Steel Duct	18.45	8.08
	<i>For Flat Oval, Add</i>	0.75	
	<i>For Work In Restricted Working Space, Add</i>	4.04	
23 31 13 13-0029	LF 8" x 18", 30 Gauge Galvanized Steel Duct	19.99	8.75
	<i>For Flat Oval, Add</i>	0.81	
	<i>For Work In Restricted Working Space, Add</i>	4.37	
23 31 13 13-0030	LF 8" x 20", 30 Gauge Galvanized Steel Duct	21.53	9.42
	<i>For Flat Oval, Add</i>	0.87	
	<i>For Work In Restricted Working Space, Add</i>	4.71	
23 31 13 13-0031	LF 8" x 22", 30 Gauge Galvanized Steel Duct	23.08	10.09
	<i>For Flat Oval, Add</i>	0.94	
	<i>For Work In Restricted Working Space, Add</i>	5.05	
23 31 13 13-0032	LF 8" x 24", 30 Gauge Galvanized Steel Duct	24.60	10.77
	<i>For Flat Oval, Add</i>	1.00	
	<i>For Work In Restricted Working Space, Add</i>	5.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0033 LF 10" x 10", 30 Gauge Galvanized Steel Duct	15.37	6.73
For Flat Oval, Add	0.62	
For Work In Restricted Working Space, Add	3.37	
23 31 13 13-0034 LF 10" x 12", 30 Gauge Galvanized Steel Duct	16.92	7.41
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	3.70	
23 31 13 13-0035 LF 10" x 14", 30 Gauge Galvanized Steel Duct	18.45	8.08
For Flat Oval, Add	0.75	
For Work In Restricted Working Space, Add	4.04	
23 31 13 13-0036 LF 10" x 16", 30 Gauge Galvanized Steel Duct	19.99	8.75
For Flat Oval, Add	0.81	
For Work In Restricted Working Space, Add	4.37	
23 31 13 13-0037 LF 10" x 18", 30 Gauge Galvanized Steel Duct	21.53	9.42
For Flat Oval, Add	0.87	
For Work In Restricted Working Space, Add	4.71	
23 31 13 13-0038 LF 10" x 20", 30 Gauge Galvanized Steel Duct	23.08	10.09
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.05	
23 31 13 13-0039 LF 10" x 22", 30 Gauge Galvanized Steel Duct	24.60	10.77
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	5.39	
23 31 13 13-0040 LF 10" x 24", 30 Gauge Galvanized Steel Duct	26.15	11.44
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	5.72	
23 31 13 13-0041 LF 12" x 12", 30 Gauge Galvanized Steel Duct	18.45	8.08
For Flat Oval, Add	0.75	
For Work In Restricted Working Space, Add	4.04	
23 31 13 13-0042 LF 12" x 14", 30 Gauge Galvanized Steel Duct	19.99	8.75
For Flat Oval, Add	0.81	
For Work In Restricted Working Space, Add	4.37	
23 31 13 13-0043 LF 12" x 16", 30 Gauge Galvanized Steel Duct	21.53	9.42
For Flat Oval, Add	0.87	
For Work In Restricted Working Space, Add	4.71	
23 31 13 13-0044 LF 12" x 18", 30 Gauge Galvanized Steel Duct	23.08	10.09
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.05	
23 31 13 13-0045 LF 12" x 20", 30 Gauge Galvanized Steel Duct	24.60	10.77
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	5.39	
23 31 13 13-0046 LF 12" x 22", 30 Gauge Galvanized Steel Duct	26.15	11.44
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	5.72	
23 31 13 13-0047 LF 12" x 24", 30 Gauge Galvanized Steel Duct	27.69	12.12
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.06	
23 31 13 13-0048 LF 14" x 14", 30 Gauge Galvanized Steel Duct	21.53	9.42
For Flat Oval, Add	0.87	
For Work In Restricted Working Space, Add	4.71	
23 31 13 13-0049 LF 14" x 16", 30 Gauge Galvanized Steel Duct	23.08	10.09
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.05	
23 31 13 13-0050 LF 14" x 18", 30 Gauge Galvanized Steel Duct	24.60	10.77
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	5.39	
23 31 13 13-0051 LF 14" x 20", 30 Gauge Galvanized Steel Duct	26.15	11.44
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	5.72	
23 31 13 13-0052 LF 14" x 22", 30 Gauge Galvanized Steel Duct	27.69	12.12
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.06	
23 31 13 13-0053 LF 14" x 24", 30 Gauge Galvanized Steel Duct	29.23	12.79
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	6.40	
23 31 13 13-0054 LF 16" x 16", 30 Gauge Galvanized Steel Duct	24.60	10.77
For Flat Oval, Add	1.00	
For Work In Restricted Working Space, Add	5.39	
23 31 13 13-0055 LF 16" x 18", 30 Gauge Galvanized Steel Duct	26.15	11.44
For Flat Oval, Add	1.06	
For Work In Restricted Working Space, Add	5.72	
23 31 13 13-0056 LF 16" x 20", 30 Gauge Galvanized Steel Duct	27.69	12.12
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.06	
23 31 13 13-0057 LF 16" x 22", 30 Gauge Galvanized Steel Duct	29.23	12.79
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	6.40	
23 31 13 13-0058 LF 16" x 24", 30 Gauge Galvanized Steel Duct	30.75	13.47
For Flat Oval, Add	1.25	
For Work In Restricted Working Space, Add	6.73	
23 31 13 13-0059 LF 18" x 18", 30 Gauge Galvanized Steel Duct	27.69	12.12
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.06	
23 31 13 13-0060 LF 18" x 20", 30 Gauge Galvanized Steel Duct	29.23	12.79
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	6.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0061	LF	18" x 22", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.75 1.25 6.73	13.47
23 31 13	13-0062	LF	18" x 24", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.29 1.31 7.07	14.14
23 31 13	13-0063	LF	20" x 20", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.75 1.25 6.73	13.47
23 31 13	13-0064	LF	20" x 22", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.29 1.31 7.07	14.14
23 31 13	13-0065	LF	20" x 24", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.83 1.37 7.40	14.80
23 31 13	13-0066	LF	22" x 22", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.83 1.37 7.40	14.80
23 31 13	13-0067	LF	22" x 24", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.36 1.43 7.74	15.48
23 31 13	13-0068	LF	24" x 24", 30 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.91 1.50 8.08	16.15
23 31 13	13-0069		28 Gauge Galvanized Steel Duct <small>(23 31 13 13-0069)</small>		
23 31 13	13-0070	LF	4" x 4", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.31 0.30 1.60	3.21
23 31 13	13-0071	LF	4" x 6", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.16 0.37 2.00	4.01
23 31 13	13-0072	LF	4" x 8", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.98 0.45 2.40	4.81
23 31 13	13-0073	LF	4" x 10", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.81 0.52 2.81	5.61
23 31 13	13-0074	LF	4" x 12", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.66 0.60 3.21	6.41
23 31 13	13-0075	LF	4" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.48 0.67 3.61	7.22
23 31 13	13-0076	LF	4" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.29 0.74 4.01	8.01
23 31 13	13-0077	LF	6" x 6", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.98 0.45 2.40	4.81
23 31 13	13-0078	LF	6" x 8", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.81 0.52 2.81	5.61
23 31 13	13-0079	LF	6" x 10", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.66 0.60 3.21	6.41
23 31 13	13-0080	LF	6" x 12", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.48 0.67 3.61	7.22
23 31 13	13-0081	LF	6" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.29 0.74 4.01	8.01
23 31 13	13-0082	LF	6" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.14 0.82 4.41	8.82
23 31 13	13-0083	LF	8" x 8", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.66 0.60 3.21	6.41
23 31 13	13-0084	LF	8" x 10", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.48 0.67 3.61	7.22
23 31 13	13-0085	LF	8" x 12", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.29 0.74 4.01	8.01
23 31 13	13-0086	LF	8" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.14 0.82 4.41	8.82
23 31 13	13-0087	LF	8" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.97 0.89 4.81	9.62
23 31 13	13-0088	LF	8" x 18", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.79 0.96 5.21	10.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0089 LF 8" x 20", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.64 1.04 5.61	11.22
23 31 13 13-0090 LF 8" x 22", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.47 1.11 6.01	12.02
23 31 13 13-0091 LF 8" x 24", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.30 1.19 6.41	12.82
23 31 13 13-0092 LF 10" x 10", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.29 0.74 4.01	8.01
23 31 13 13-0093 LF 10" x 12", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.14 0.82 4.41	8.82
23 31 13 13-0094 LF 10" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.97 0.89 4.81	9.62
23 31 13 13-0095 LF 10" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.79 0.96 5.21	10.42
23 31 13 13-0096 LF 10" x 18", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.64 1.04 5.61	11.22
23 31 13 13-0097 LF 10" x 20", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.47 1.11 6.01	12.02
23 31 13 13-0098 LF 10" x 22", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.30 1.19 6.41	12.82
23 31 13 13-0099 LF 10" x 24", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.12 1.26 6.81	13.63
23 31 13 13-0100 LF 12" x 12", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.97 0.89 4.81	9.62
23 31 13 13-0101 LF 12" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.79 0.96 5.21	10.42
23 31 13 13-0102 LF 12" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.64 1.04 5.61	11.22
23 31 13 13-0103 LF 12" x 18", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.47 1.11 6.01	12.02
23 31 13 13-0104 LF 12" x 20", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.30 1.19 6.41	12.82
23 31 13 13-0105 LF 12" x 22", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.12 1.26 6.81	13.63
23 31 13 13-0106 LF 12" x 24", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.95 1.34 7.21	14.42
23 31 13 13-0107 LF 14" x 14", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.64 1.04 5.61	11.22
23 31 13 13-0108 LF 14" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.47 1.11 6.01	12.02
23 31 13 13-0109 LF 14" x 18", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.30 1.19 6.41	12.82
23 31 13 13-0110 LF 14" x 20", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.12 1.26 6.81	13.63
23 31 13 13-0111 LF 14" x 22", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.95 1.34 7.21	14.42
23 31 13 13-0112 LF 14" x 24", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.80 1.41 7.61	15.23
23 31 13 13-0113 LF 16" x 16", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.30 1.19 6.41	12.82
23 31 13 13-0114 LF 16" x 18", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.12 1.26 6.81	13.63
23 31 13 13-0115 LF 16" x 20", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.95 1.34 7.21	14.42
23 31 13 13-0116 LF 16" x 22", 28 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.80 1.41 7.61	15.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0117	LF	16" x 24", 28 Gauge Galvanized Steel Duct	36.62	16.03
			For Flat Oval, Add	1.49	
			For Work In Restricted Working Space, Add	8.01	
23 31 13	13-0118	LF	18" x 18", 28 Gauge Galvanized Steel Duct	32.95	14.42
			For Flat Oval, Add	1.34	
			For Work In Restricted Working Space, Add	7.21	
23 31 13	13-0119	LF	18" x 20", 28 Gauge Galvanized Steel Duct	34.80	15.23
			For Flat Oval, Add	1.41	
			For Work In Restricted Working Space, Add	7.61	
23 31 13	13-0120	LF	18" x 22", 28 Gauge Galvanized Steel Duct	36.62	16.03
			For Flat Oval, Add	1.49	
			For Work In Restricted Working Space, Add	8.01	
23 31 13	13-0121	LF	18" x 24", 28 Gauge Galvanized Steel Duct	38.45	16.83
			For Flat Oval, Add	1.56	
			For Work In Restricted Working Space, Add	8.42	
23 31 13	13-0122	LF	20" x 20", 28 Gauge Galvanized Steel Duct	36.62	16.03
			For Flat Oval, Add	1.49	
			For Work In Restricted Working Space, Add	8.01	
23 31 13	13-0123	LF	20" x 22", 28 Gauge Galvanized Steel Duct	38.45	16.83
			For Flat Oval, Add	1.56	
			For Work In Restricted Working Space, Add	8.42	
23 31 13	13-0124	LF	20" x 24", 28 Gauge Galvanized Steel Duct	40.29	17.63
			For Flat Oval, Add	1.64	
			For Work In Restricted Working Space, Add	8.82	
23 31 13	13-0125	LF	22" x 22", 28 Gauge Galvanized Steel Duct	40.29	17.63
			For Flat Oval, Add	1.64	
			For Work In Restricted Working Space, Add	8.82	
23 31 13	13-0126	LF	22" x 24", 28 Gauge Galvanized Steel Duct	42.11	18.43
			For Flat Oval, Add	1.71	
			For Work In Restricted Working Space, Add	9.22	
23 31 13	13-0127	LF	24" x 24", 28 Gauge Galvanized Steel Duct	43.93	19.23
			For Flat Oval, Add	1.78	
			For Work In Restricted Working Space, Add	9.62	
23 31 13	13-0128		26 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13	13-0129	LF	4" x 4", 26 Gauge Galvanized Steel Duct	8.49	3.72
			For Flat Oval, Add	0.35	
			For Work In Restricted Working Space, Add	1.86	
23 31 13	13-0130	LF	4" x 6", 26 Gauge Galvanized Steel Duct	10.62	4.65
			For Flat Oval, Add	0.43	
			For Work In Restricted Working Space, Add	2.33	
23 31 13	13-0131	LF	4" x 8", 26 Gauge Galvanized Steel Duct	12.75	5.58
			For Flat Oval, Add	0.52	
			For Work In Restricted Working Space, Add	2.79	
23 31 13	13-0132	LF	4" x 10", 26 Gauge Galvanized Steel Duct	14.87	6.51
			For Flat Oval, Add	0.60	
			For Work In Restricted Working Space, Add	3.26	
23 31 13	13-0133	LF	4" x 12", 26 Gauge Galvanized Steel Duct	17.00	7.44
			For Flat Oval, Add	0.69	
			For Work In Restricted Working Space, Add	3.72	
23 31 13	13-0134	LF	4" x 14", 26 Gauge Galvanized Steel Duct	19.12	8.36
			For Flat Oval, Add	0.78	
			For Work In Restricted Working Space, Add	4.19	
23 31 13	13-0135	LF	4" x 16", 26 Gauge Galvanized Steel Duct	21.24	9.30
			For Flat Oval, Add	0.86	
			For Work In Restricted Working Space, Add	4.65	
23 31 13	13-0136	LF	6" x 6", 26 Gauge Galvanized Steel Duct	12.75	5.58
			For Flat Oval, Add	0.52	
			For Work In Restricted Working Space, Add	2.79	
23 31 13	13-0137	LF	6" x 8", 26 Gauge Galvanized Steel Duct	14.87	6.51
			For Flat Oval, Add	0.60	
			For Work In Restricted Working Space, Add	3.26	
23 31 13	13-0138	LF	6" x 10", 26 Gauge Galvanized Steel Duct	17.00	7.44
			For Flat Oval, Add	0.69	
			For Work In Restricted Working Space, Add	3.72	
23 31 13	13-0139	LF	6" x 12", 26 Gauge Galvanized Steel Duct	19.12	8.36
			For Flat Oval, Add	0.78	
			For Work In Restricted Working Space, Add	4.19	
23 31 13	13-0140	LF	6" x 14", 26 Gauge Galvanized Steel Duct	21.24	9.30
			For Flat Oval, Add	0.86	
			For Work In Restricted Working Space, Add	4.65	
23 31 13	13-0141	LF	6" x 16", 26 Gauge Galvanized Steel Duct	23.38	10.22
			For Flat Oval, Add	0.95	
			For Work In Restricted Working Space, Add	5.12	
23 31 13	13-0142	LF	8" x 8", 26 Gauge Galvanized Steel Duct	17.00	7.44
			For Flat Oval, Add	0.69	
			For Work In Restricted Working Space, Add	3.72	
23 31 13	13-0143	LF	8" x 10", 26 Gauge Galvanized Steel Duct	19.12	8.36
			For Flat Oval, Add	0.78	
			For Work In Restricted Working Space, Add	4.19	
23 31 13	13-0144	LF	8" x 12", 26 Gauge Galvanized Steel Duct	21.24	9.30
			For Flat Oval, Add	0.86	
			For Work In Restricted Working Space, Add	4.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0145 LF 8" x 14", 26 Gauge Galvanized Steel Duct	23.38	10.22
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	5.12	
23 31 13 13-0146 LF 8" x 16", 26 Gauge Galvanized Steel Duct	25.49	11.15
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	5.58	
23 31 13 13-0147 LF 8" x 18", 26 Gauge Galvanized Steel Duct	27.61	12.09
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.04	
23 31 13 13-0148 LF 8" x 20", 26 Gauge Galvanized Steel Duct	29.73	13.01
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.51	
23 31 13 13-0149 LF 8" x 22", 26 Gauge Galvanized Steel Duct	31.87	13.95
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	6.97	
23 31 13 13-0150 LF 8" x 24", 26 Gauge Galvanized Steel Duct	33.99	14.87
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	7.44	
23 31 13 13-0151 LF 10" x 10", 26 Gauge Galvanized Steel Duct	21.24	9.30
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	4.65	
23 31 13 13-0152 LF 10" x 12", 26 Gauge Galvanized Steel Duct	23.36	10.22
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	5.11	
23 31 13 13-0153 LF 10" x 14", 26 Gauge Galvanized Steel Duct	25.49	11.15
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	5.58	
23 31 13 13-0154 LF 10" x 16", 26 Gauge Galvanized Steel Duct	27.61	12.09
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.04	
23 31 13 13-0155 LF 10" x 18", 26 Gauge Galvanized Steel Duct	29.73	13.01
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.51	
23 31 13 13-0156 LF 10" x 20", 26 Gauge Galvanized Steel Duct	31.87	13.95
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	6.97	
23 31 13 13-0157 LF 10" x 22", 26 Gauge Galvanized Steel Duct	33.99	14.87
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	7.44	
23 31 13 13-0158 LF 10" x 24", 26 Gauge Galvanized Steel Duct	36.10	15.80
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	7.90	
23 31 13 13-0159 LF 12" x 12", 26 Gauge Galvanized Steel Duct	25.48	11.16
For Flat Oval, Add	1.03	
For Work In Restricted Working Space, Add	5.58	
23 31 13 13-0160 LF 12" x 14", 26 Gauge Galvanized Steel Duct	27.61	12.09
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.04	
23 31 13 13-0161 LF 12" x 16", 26 Gauge Galvanized Steel Duct	29.73	13.01
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.51	
23 31 13 13-0162 LF 12" x 18", 26 Gauge Galvanized Steel Duct	31.87	13.95
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	6.97	
23 31 13 13-0163 LF 12" x 20", 26 Gauge Galvanized Steel Duct	33.99	14.87
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	7.44	
23 31 13 13-0164 LF 12" x 22", 26 Gauge Galvanized Steel Duct	36.10	15.80
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	7.90	
23 31 13 13-0165 LF 12" x 24", 26 Gauge Galvanized Steel Duct	38.22	16.74
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	8.37	
23 31 13 13-0166 LF 14" x 14", 26 Gauge Galvanized Steel Duct	29.73	13.01
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.51	
23 31 13 13-0167 LF 14" x 16", 26 Gauge Galvanized Steel Duct	31.87	13.95
For Flat Oval, Add	1.29	
For Work In Restricted Working Space, Add	6.97	
23 31 13 13-0168 LF 14" x 18", 26 Gauge Galvanized Steel Duct	33.99	14.87
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	7.44	
23 31 13 13-0169 LF 14" x 20", 26 Gauge Galvanized Steel Duct	36.10	15.80
For Flat Oval, Add	1.46	
For Work In Restricted Working Space, Add	7.90	
23 31 13 13-0170 LF 14" x 22", 26 Gauge Galvanized Steel Duct	38.22	16.74
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	8.37	
23 31 13 13-0171 LF 14" x 24", 26 Gauge Galvanized Steel Duct	40.36	17.66
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	8.83	
23 31 13 13-0172 LF 16" x 16", 26 Gauge Galvanized Steel Duct	33.99	14.87
For Flat Oval, Add	1.38	
For Work In Restricted Working Space, Add	7.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0173	LF		16" x 18", 26 Gauge Galvanized Steel Duct	36.10	15.80
			<i>For Flat Oval, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0174	LF		16" x 20", 26 Gauge Galvanized Steel Duct	38.22	16.74
			<i>For Flat Oval, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
23 31 13 13-0175	LF		16" x 22", 26 Gauge Galvanized Steel Duct	40.36	17.66
			<i>For Flat Oval, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
23 31 13 13-0176	LF		16" x 24", 26 Gauge Galvanized Steel Duct	42.48	18.59
			<i>For Flat Oval, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 31 13 13-0177	LF		18" x 18", 26 Gauge Galvanized Steel Duct	38.22	16.74
			<i>For Flat Oval, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
23 31 13 13-0178	LF		18" x 20", 26 Gauge Galvanized Steel Duct	40.36	17.66
			<i>For Flat Oval, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
23 31 13 13-0179	LF		18" x 22", 26 Gauge Galvanized Steel Duct	42.48	18.59
			<i>For Flat Oval, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 31 13 13-0180	LF		18" x 24", 26 Gauge Galvanized Steel Duct	44.60	19.52
			<i>For Flat Oval, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	9.76	
23 31 13 13-0181	LF		20" x 20", 26 Gauge Galvanized Steel Duct	42.48	18.59
			<i>For Flat Oval, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	9.30	
23 31 13 13-0182	LF		20" x 22", 26 Gauge Galvanized Steel Duct	44.60	19.52
			<i>For Flat Oval, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	9.76	
23 31 13 13-0183	LF		20" x 24", 26 Gauge Galvanized Steel Duct	46.72	20.45
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	10.23	
23 31 13 13-0184	LF		22" x 22", 26 Gauge Galvanized Steel Duct	46.72	20.45
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	10.23	
23 31 13 13-0185	LF		22" x 24", 26 Gauge Galvanized Steel Duct	48.86	21.39
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	10.69	
23 31 13 13-0186	LF		24" x 24", 26 Gauge Galvanized Steel Duct	50.98	22.31
			<i>For Flat Oval, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	11.16	
23 31 13 13-0187			24 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0188	LF		4" x 4", 24 Gauge Galvanized Steel Duct	10.84	4.75
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	2.37	
23 31 13 13-0189	LF		4" x 6", 24 Gauge Galvanized Steel Duct	13.54	5.94
			<i>For Flat Oval, Add</i>	0.55	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
23 31 13 13-0190	LF		4" x 8", 24 Gauge Galvanized Steel Duct	16.27	7.12
			<i>For Flat Oval, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
23 31 13 13-0191	LF		4" x 10", 24 Gauge Galvanized Steel Duct	18.98	8.30
			<i>For Flat Oval, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 31 13 13-0192	LF		4" x 12", 24 Gauge Galvanized Steel Duct	21.67	9.49
			<i>For Flat Oval, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	4.74	
23 31 13 13-0193	LF		4" x 14", 24 Gauge Galvanized Steel Duct	24.39	10.67
			<i>For Flat Oval, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	5.34	
23 31 13 13-0194	LF		4" x 16", 24 Gauge Galvanized Steel Duct	27.10	11.87
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	5.93	
23 31 13 13-0195	LF		6" x 6", 24 Gauge Galvanized Steel Duct	16.27	7.12
			<i>For Flat Oval, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
23 31 13 13-0196	LF		6" x 8", 24 Gauge Galvanized Steel Duct	18.98	8.30
			<i>For Flat Oval, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 31 13 13-0197	LF		6" x 10", 24 Gauge Galvanized Steel Duct	21.67	9.49
			<i>For Flat Oval, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	4.74	
23 31 13 13-0198	LF		6" x 12", 24 Gauge Galvanized Steel Duct	24.39	10.67
			<i>For Flat Oval, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	5.34	
23 31 13 13-0199	LF		6" x 14", 24 Gauge Galvanized Steel Duct	27.10	11.87
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	5.93	
23 31 13 13-0200	LF		6" x 16", 24 Gauge Galvanized Steel Duct	29.81	13.05
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0201 LF 8" x 8", 24 Gauge Galvanized Steel Duct	21.67	9.49
For Flat Oval, Add	0.88	
For Work In Restricted Working Space, Add	4.74	
23 31 13 13-0202 LF 8" x 10", 24 Gauge Galvanized Steel Duct	24.39	10.67
For Flat Oval, Add	0.99	
For Work In Restricted Working Space, Add	5.34	
23 31 13 13-0203 LF 8" x 12", 24 Gauge Galvanized Steel Duct	27.10	11.87
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	5.93	
23 31 13 13-0204 LF 8" x 14", 24 Gauge Galvanized Steel Duct	29.81	13.05
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.53	
23 31 13 13-0205 LF 8" x 16", 24 Gauge Galvanized Steel Duct	32.52	14.23
For Flat Oval, Add	1.32	
For Work In Restricted Working Space, Add	7.12	
23 31 13 13-0206 LF 8" x 18", 24 Gauge Galvanized Steel Duct	35.23	15.42
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	7.71	
23 31 13 13-0207 LF 8" x 20", 24 Gauge Galvanized Steel Duct	37.94	16.61
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	8.30	
23 31 13 13-0208 LF 8" x 22", 24 Gauge Galvanized Steel Duct	40.66	17.79
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	8.90	
23 31 13 13-0209 LF 8" x 24", 24 Gauge Galvanized Steel Duct	43.36	18.98
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	9.49	
23 31 13 13-0210 LF 10" x 10", 24 Gauge Galvanized Steel Duct	27.10	11.87
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	5.93	
23 31 13 13-0211 LF 10" x 12", 24 Gauge Galvanized Steel Duct	29.81	13.05
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.53	
23 31 13 13-0212 LF 10" x 14", 24 Gauge Galvanized Steel Duct	32.52	14.23
For Flat Oval, Add	1.32	
For Work In Restricted Working Space, Add	7.12	
23 31 13 13-0213 LF 10" x 16", 24 Gauge Galvanized Steel Duct	35.23	15.42
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	7.71	
23 31 13 13-0214 LF 10" x 18", 24 Gauge Galvanized Steel Duct	37.94	16.61
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	8.30	
23 31 13 13-0215 LF 10" x 20", 24 Gauge Galvanized Steel Duct	40.66	17.79
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	8.90	
23 31 13 13-0216 LF 10" x 22", 24 Gauge Galvanized Steel Duct	43.36	18.98
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	9.49	
23 31 13 13-0217 LF 10" x 24", 24 Gauge Galvanized Steel Duct	46.07	20.17
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.08	
23 31 13 13-0218 LF 10" x 26", 24 Gauge Galvanized Steel Duct	48.78	21.36
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	10.68	
23 31 13 13-0219 LF 10" x 28", 24 Gauge Galvanized Steel Duct	51.50	22.53
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	11.27	
23 31 13 13-0220 LF 10" x 30", 24 Gauge Galvanized Steel Duct	54.20	23.72
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	11.86	
23 31 13 13-0221 LF 12" x 12", 24 Gauge Galvanized Steel Duct	32.52	14.23
For Flat Oval, Add	1.32	
For Work In Restricted Working Space, Add	7.12	
23 31 13 13-0222 LF 12" x 14", 24 Gauge Galvanized Steel Duct	35.23	15.42
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	7.71	
23 31 13 13-0223 LF 12" x 16", 24 Gauge Galvanized Steel Duct	37.94	16.61
For Flat Oval, Add	1.54	
For Work In Restricted Working Space, Add	8.30	
23 31 13 13-0224 LF 12" x 18", 24 Gauge Galvanized Steel Duct	40.66	17.79
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	8.90	
23 31 13 13-0225 LF 12" x 20", 24 Gauge Galvanized Steel Duct	43.36	18.98
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	9.49	
23 31 13 13-0226 LF 12" x 22", 24 Gauge Galvanized Steel Duct	46.07	20.17
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.08	
23 31 13 13-0227 LF 12" x 24", 24 Gauge Galvanized Steel Duct	48.78	21.36
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	10.68	
23 31 13 13-0228 LF 12" x 26", 24 Gauge Galvanized Steel Duct	51.50	22.53
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	11.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0229	LF	12" x 28", 24 Gauge Galvanized Steel Duct	54.20	23.72
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 31 13	13-0230	LF	12" x 30", 24 Gauge Galvanized Steel Duct	56.91	24.91
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.46	
23 31 13	13-0231	LF	14" x 14", 24 Gauge Galvanized Steel Duct	37.94	16.61
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.30	
23 31 13	13-0232	LF	14" x 16", 24 Gauge Galvanized Steel Duct	40.66	17.79
			<i>For Flat Oval, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
23 31 13	13-0233	LF	14" x 18", 24 Gauge Galvanized Steel Duct	43.36	18.98
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	9.49	
23 31 13	13-0234	LF	14" x 20", 24 Gauge Galvanized Steel Duct	46.07	20.17
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
23 31 13	13-0235	LF	14" x 22", 24 Gauge Galvanized Steel Duct	48.78	21.36
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	10.68	
23 31 13	13-0236	LF	14" x 24", 24 Gauge Galvanized Steel Duct	51.50	22.53
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	11.27	
23 31 13	13-0237	LF	14" x 26", 24 Gauge Galvanized Steel Duct	54.20	23.72
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 31 13	13-0238	LF	14" x 28", 24 Gauge Galvanized Steel Duct	56.91	24.91
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.46	
23 31 13	13-0239	LF	14" x 30", 24 Gauge Galvanized Steel Duct	59.63	26.10
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0240	LF	16" x 16", 24 Gauge Galvanized Steel Duct	43.36	18.98
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	9.49	
23 31 13	13-0241	LF	16" x 18", 24 Gauge Galvanized Steel Duct	46.07	20.17
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.08	
23 31 13	13-0242	LF	16" x 20", 24 Gauge Galvanized Steel Duct	48.78	21.36
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	10.68	
23 31 13	13-0243	LF	16" x 22", 24 Gauge Galvanized Steel Duct	51.50	22.53
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	11.27	
23 31 13	13-0244	LF	16" x 24", 24 Gauge Galvanized Steel Duct	54.20	23.72
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 31 13	13-0245	LF	16" x 26", 24 Gauge Galvanized Steel Duct	56.91	24.91
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.46	
23 31 13	13-0246	LF	16" x 28", 24 Gauge Galvanized Steel Duct	59.63	26.10
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0247	LF	16" x 30", 24 Gauge Galvanized Steel Duct	62.33	27.28
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 31 13	13-0248	LF	18" x 18", 24 Gauge Galvanized Steel Duct	48.78	21.36
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	10.68	
23 31 13	13-0249	LF	18" x 20", 24 Gauge Galvanized Steel Duct	51.50	22.53
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	11.27	
23 31 13	13-0250	LF	18" x 22", 24 Gauge Galvanized Steel Duct	54.20	23.72
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 31 13	13-0251	LF	18" x 24", 24 Gauge Galvanized Steel Duct	56.91	24.91
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.46	
23 31 13	13-0252	LF	18" x 26", 24 Gauge Galvanized Steel Duct	59.63	26.10
			<i>For Flat Oval, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	13.05	
23 31 13	13-0253	LF	18" x 28", 24 Gauge Galvanized Steel Duct	62.33	27.28
			<i>For Flat Oval, Add</i>	2.53	
			<i>For Work In Restricted Working Space, Add</i>	13.64	
23 31 13	13-0254	LF	18" x 30", 24 Gauge Galvanized Steel Duct	65.03	28.47
			<i>For Flat Oval, Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	14.23	
23 31 13	13-0255	LF	20" x 20", 24 Gauge Galvanized Steel Duct	54.20	23.72
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.86	
23 31 13	13-0256	LF	20" x 22", 24 Gauge Galvanized Steel Duct	56.91	24.91
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0257 LF 20" x 24", 24 Gauge Galvanized Steel Duct	59.63	26.10
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.05	
23 31 13 13-0258 LF 20" x 26", 24 Gauge Galvanized Steel Duct	62.33	27.28
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	13.64	
23 31 13 13-0259 LF 20" x 28", 24 Gauge Galvanized Steel Duct	65.03	28.47
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.23	
23 31 13 13-0260 LF 20" x 30", 24 Gauge Galvanized Steel Duct	67.75	29.66
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	14.83	
23 31 13 13-0261 LF 22" x 22", 24 Gauge Galvanized Steel Duct	59.63	26.10
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.05	
23 31 13 13-0262 LF 22" x 24", 24 Gauge Galvanized Steel Duct	62.33	27.28
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	13.64	
23 31 13 13-0263 LF 22" x 26", 24 Gauge Galvanized Steel Duct	65.03	28.47
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.23	
23 31 13 13-0264 LF 22" x 28", 24 Gauge Galvanized Steel Duct	67.75	29.66
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	14.83	
23 31 13 13-0265 LF 22" x 30", 24 Gauge Galvanized Steel Duct	70.46	30.84
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.42	
23 31 13 13-0266 LF 24" x 24", 24 Gauge Galvanized Steel Duct	65.03	28.47
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.23	
23 31 13 13-0267 LF 24" x 26", 24 Gauge Galvanized Steel Duct	67.75	29.66
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	14.83	
23 31 13 13-0268 LF 24" x 28", 24 Gauge Galvanized Steel Duct	70.46	30.84
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.42	
23 31 13 13-0269 LF 24" x 30", 24 Gauge Galvanized Steel Duct	73.17	32.02
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0270 LF 26" x 26", 24 Gauge Galvanized Steel Duct	70.46	30.84
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.42	
23 31 13 13-0271 LF 26" x 28", 24 Gauge Galvanized Steel Duct	73.17	32.02
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0272 LF 26" x 30", 24 Gauge Galvanized Steel Duct	75.87	33.21
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.61	
23 31 13 13-0273 LF 28" x 28", 24 Gauge Galvanized Steel Duct	75.87	33.21
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.61	
23 31 13 13-0274 LF 28" x 30", 24 Gauge Galvanized Steel Duct	78.59	34.40
For Flat Oval, Add	3.19	
For Work In Restricted Working Space, Add	17.20	
23 31 13 13-0275 LF 30" x 30", 24 Gauge Galvanized Steel Duct	81.30	35.59
For Flat Oval, Add	3.30	
For Work In Restricted Working Space, Add	17.79	
23 31 13 13-0276 22 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0277 LF 4" x 4", 22 Gauge Galvanized Steel Duct	13.19	5.78
For Flat Oval, Add	0.54	
For Work In Restricted Working Space, Add	2.89	
23 31 13 13-0278 LF 4" x 6", 22 Gauge Galvanized Steel Duct	16.49	7.21
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	3.61	
23 31 13 13-0279 LF 4" x 8", 22 Gauge Galvanized Steel Duct	19.78	8.66
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	4.33	
23 31 13 13-0280 LF 4" x 10", 22 Gauge Galvanized Steel Duct	23.07	10.10
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.05	
23 31 13 13-0281 LF 4" x 12", 22 Gauge Galvanized Steel Duct	26.36	11.54
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	5.77	
23 31 13 13-0282 LF 4" x 14", 22 Gauge Galvanized Steel Duct	29.66	12.98
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	6.49	
23 31 13 13-0283 LF 4" x 16", 22 Gauge Galvanized Steel Duct	32.97	14.43
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	7.22	
23 31 13 13-0284 LF 6" x 6", 22 Gauge Galvanized Steel Duct	19.78	8.66
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	4.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0285	LF	6" x 8", 22 Gauge Galvanized Steel Duct	23.07	10.10
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	5.05	
23 31 13	13-0286	LF	6" x 10", 22 Gauge Galvanized Steel Duct	26.36	11.54
			<i>For Flat Oval, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.77	
23 31 13	13-0287	LF	6" x 12", 22 Gauge Galvanized Steel Duct	29.66	12.98
			<i>For Flat Oval, Add</i>	1.20	
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 31 13	13-0288	LF	6" x 14", 22 Gauge Galvanized Steel Duct	32.97	14.43
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31 13	13-0289	LF	6" x 16", 22 Gauge Galvanized Steel Duct	36.26	15.87
			<i>For Flat Oval, Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 31 13	13-0290	LF	8" x 8", 22 Gauge Galvanized Steel Duct	26.36	11.54
			<i>For Flat Oval, Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.77	
23 31 13	13-0291	LF	8" x 10", 22 Gauge Galvanized Steel Duct	29.66	12.98
			<i>For Flat Oval, Add</i>	1.20	
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 31 13	13-0292	LF	8" x 12", 22 Gauge Galvanized Steel Duct	32.97	14.43
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31 13	13-0293	LF	8" x 14", 22 Gauge Galvanized Steel Duct	36.26	15.87
			<i>For Flat Oval, Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 31 13	13-0294	LF	8" x 16", 22 Gauge Galvanized Steel Duct	39.55	17.31
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	8.66	
23 31 13	13-0295	LF	8" x 18", 22 Gauge Galvanized Steel Duct	42.85	18.76
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
23 31 13	13-0296	LF	8" x 20", 22 Gauge Galvanized Steel Duct	46.14	20.20
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.10	
23 31 13	13-0297	LF	8" x 22", 22 Gauge Galvanized Steel Duct	49.44	21.64
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
23 31 13	13-0298	LF	8" x 24", 22 Gauge Galvanized Steel Duct	52.72	23.09
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	11.54	
23 31 13	13-0299	LF	10" x 10", 22 Gauge Galvanized Steel Duct	32.97	14.43
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.22	
23 31 13	13-0300	LF	10" x 12", 22 Gauge Galvanized Steel Duct	36.26	15.87
			<i>For Flat Oval, Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	7.94	
23 31 13	13-0301	LF	10" x 14", 22 Gauge Galvanized Steel Duct	39.55	17.31
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	8.66	
23 31 13	13-0302	LF	10" x 16", 22 Gauge Galvanized Steel Duct	42.85	18.76
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	9.38	
23 31 13	13-0303	LF	10" x 18", 22 Gauge Galvanized Steel Duct	46.14	20.20
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.10	
23 31 13	13-0304	LF	10" x 20", 22 Gauge Galvanized Steel Duct	49.44	21.64
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	10.82	
23 31 13	13-0305	LF	10" x 22", 22 Gauge Galvanized Steel Duct	52.72	23.09
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	11.54	
23 31 13	13-0306	LF	10" x 24", 22 Gauge Galvanized Steel Duct	56.04	24.53
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31 13	13-0307	LF	10" x 26", 22 Gauge Galvanized Steel Duct	59.34	25.97
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	12.99	
23 31 13	13-0308	LF	10" x 28", 22 Gauge Galvanized Steel Duct	62.63	27.41
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13	13-0309	LF	10" x 30", 22 Gauge Galvanized Steel Duct	65.92	28.85
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31 13	13-0310	LF	10" x 32", 22 Gauge Galvanized Steel Duct	69.21	30.30
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.15	
23 31 13	13-0311	LF	12" x 12", 22 Gauge Galvanized Steel Duct	39.55	17.31
			<i>For Flat Oval, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	8.66	
23 31 13	13-0312	LF	12" x 14", 22 Gauge Galvanized Steel Duct	42.85	18.76
			<i>For Flat Oval, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	9.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0313 LF 12" x 16", 22 Gauge Galvanized Steel Duct	46.14	20.20
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.10	
23 31 13 13-0314 LF 12" x 18", 22 Gauge Galvanized Steel Duct	49.44	21.64
For Flat Oval, Add	2.01	
For Work In Restricted Working Space, Add	10.82	
23 31 13 13-0315 LF 12" x 20", 22 Gauge Galvanized Steel Duct	52.72	23.09
For Flat Oval, Add	2.14	
For Work In Restricted Working Space, Add	11.54	
23 31 13 13-0316 LF 12" x 22", 22 Gauge Galvanized Steel Duct	56.04	24.53
For Flat Oval, Add	2.27	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0317 LF 12" x 24", 22 Gauge Galvanized Steel Duct	59.34	25.97
For Flat Oval, Add	2.41	
For Work In Restricted Working Space, Add	12.99	
23 31 13 13-0318 LF 12" x 26", 22 Gauge Galvanized Steel Duct	62.63	27.41
For Flat Oval, Add	2.54	
For Work In Restricted Working Space, Add	13.71	
23 31 13 13-0319 LF 12" x 28", 22 Gauge Galvanized Steel Duct	65.92	28.85
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.43	
23 31 13 13-0320 LF 12" x 30", 22 Gauge Galvanized Steel Duct	69.21	30.30
For Flat Oval, Add	2.81	
For Work In Restricted Working Space, Add	15.15	
23 31 13 13-0321 LF 12" x 32", 22 Gauge Galvanized Steel Duct	72.51	31.74
For Flat Oval, Add	2.94	
For Work In Restricted Working Space, Add	15.87	
23 31 13 13-0322 LF 12" x 34", 22 Gauge Galvanized Steel Duct	75.81	33.18
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0323 LF 12" x 36", 22 Gauge Galvanized Steel Duct	79.11	34.63
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.31	
23 31 13 13-0324 LF 14" x 14", 22 Gauge Galvanized Steel Duct	46.14	20.20
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.10	
23 31 13 13-0325 LF 14" x 16", 22 Gauge Galvanized Steel Duct	49.44	21.64
For Flat Oval, Add	2.01	
For Work In Restricted Working Space, Add	10.82	
23 31 13 13-0326 LF 14" x 18", 22 Gauge Galvanized Steel Duct	52.72	23.09
For Flat Oval, Add	2.14	
For Work In Restricted Working Space, Add	11.54	
23 31 13 13-0327 LF 14" x 20", 22 Gauge Galvanized Steel Duct	56.04	24.53
For Flat Oval, Add	2.27	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0328 LF 14" x 22", 22 Gauge Galvanized Steel Duct	59.34	25.97
For Flat Oval, Add	2.41	
For Work In Restricted Working Space, Add	12.99	
23 31 13 13-0329 LF 14" x 24", 22 Gauge Galvanized Steel Duct	62.63	27.41
For Flat Oval, Add	2.54	
For Work In Restricted Working Space, Add	13.71	
23 31 13 13-0330 LF 14" x 26", 22 Gauge Galvanized Steel Duct	65.92	28.85
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.43	
23 31 13 13-0331 LF 14" x 28", 22 Gauge Galvanized Steel Duct	69.21	30.30
For Flat Oval, Add	2.81	
For Work In Restricted Working Space, Add	15.15	
23 31 13 13-0332 LF 14" x 30", 22 Gauge Galvanized Steel Duct	72.51	31.74
For Flat Oval, Add	2.94	
For Work In Restricted Working Space, Add	15.87	
23 31 13 13-0333 LF 14" x 32", 22 Gauge Galvanized Steel Duct	75.81	33.18
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0334 LF 14" x 34", 22 Gauge Galvanized Steel Duct	79.11	34.63
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.31	
23 31 13 13-0335 LF 14" x 36", 22 Gauge Galvanized Steel Duct	82.40	36.07
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.03	
23 31 13 13-0336 LF 16" x 16", 22 Gauge Galvanized Steel Duct	52.72	23.09
For Flat Oval, Add	2.14	
For Work In Restricted Working Space, Add	11.54	
23 31 13 13-0337 LF 16" x 18", 22 Gauge Galvanized Steel Duct	56.04	24.53
For Flat Oval, Add	2.27	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0338 LF 16" x 20", 22 Gauge Galvanized Steel Duct	59.34	25.97
For Flat Oval, Add	2.41	
For Work In Restricted Working Space, Add	12.99	
23 31 13 13-0339 LF 16" x 22", 22 Gauge Galvanized Steel Duct	62.63	27.41
For Flat Oval, Add	2.54	
For Work In Restricted Working Space, Add	13.71	
23 31 13 13-0340 LF 16" x 24", 22 Gauge Galvanized Steel Duct	65.92	28.85
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.43	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0341	LF	16" x 26", 22 Gauge Galvanized Steel Duct	69.21	30.30
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.15	
23 31 13	13-0342	LF	16" x 28", 22 Gauge Galvanized Steel Duct	72.51	31.74
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	15.87	
23 31 13	13-0343	LF	16" x 30", 22 Gauge Galvanized Steel Duct	75.81	33.18
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31 13	13-0344	LF	16" x 32", 22 Gauge Galvanized Steel Duct	79.11	34.63
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 31 13	13-0345	LF	16" x 34", 22 Gauge Galvanized Steel Duct	82.40	36.07
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	18.03	
23 31 13	13-0346	LF	16" x 36", 22 Gauge Galvanized Steel Duct	85.70	37.51
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.76	
23 31 13	13-0347	LF	16" x 38", 22 Gauge Galvanized Steel Duct	88.99	38.96
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 31 13	13-0348	LF	16" x 40", 22 Gauge Galvanized Steel Duct	92.28	40.39
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31 13	13-0349	LF	16" x 42", 22 Gauge Galvanized Steel Duct	95.57	41.84
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	20.92	
23 31 13	13-0350	LF	16" x 44", 22 Gauge Galvanized Steel Duct	98.89	43.29
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	21.64	
23 31 13	13-0351	LF	18" x 18", 22 Gauge Galvanized Steel Duct	59.34	25.97
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	12.99	
23 31 13	13-0352	LF	18" x 20", 22 Gauge Galvanized Steel Duct	62.63	27.41
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	13.71	
23 31 13	13-0353	LF	18" x 22", 22 Gauge Galvanized Steel Duct	65.92	28.85
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31 13	13-0354	LF	18" x 24", 22 Gauge Galvanized Steel Duct	69.21	30.30
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.15	
23 31 13	13-0355	LF	18" x 26", 22 Gauge Galvanized Steel Duct	72.51	31.74
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	15.87	
23 31 13	13-0356	LF	18" x 28", 22 Gauge Galvanized Steel Duct	75.81	33.18
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31 13	13-0357	LF	18" x 30", 22 Gauge Galvanized Steel Duct	79.11	34.63
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 31 13	13-0358	LF	18" x 32", 22 Gauge Galvanized Steel Duct	82.40	36.07
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	18.03	
23 31 13	13-0359	LF	18" x 34", 22 Gauge Galvanized Steel Duct	85.70	37.51
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.76	
23 31 13	13-0360	LF	18" x 36", 22 Gauge Galvanized Steel Duct	88.99	38.96
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 31 13	13-0361	LF	18" x 38", 22 Gauge Galvanized Steel Duct	92.28	40.39
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31 13	13-0362	LF	18" x 40", 22 Gauge Galvanized Steel Duct	95.57	41.84
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	20.92	
23 31 13	13-0363	LF	18" x 42", 22 Gauge Galvanized Steel Duct	98.89	43.29
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	21.64	
23 31 13	13-0364	LF	18" x 44", 22 Gauge Galvanized Steel Duct	102.18	44.71
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 31 13	13-0365	LF	18" x 46", 22 Gauge Galvanized Steel Duct	105.48	46.16
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.09	
23 31 13	13-0366	LF	20" x 20", 22 Gauge Galvanized Steel Duct	65.92	28.85
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.43	
23 31 13	13-0367	LF	20" x 22", 22 Gauge Galvanized Steel Duct	69.21	30.30
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.15	
23 31 13	13-0368	LF	20" x 24", 22 Gauge Galvanized Steel Duct	72.51	31.74
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	15.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0369 LF 20" x 26", 22 Gauge Galvanized Steel Duct	75.81	33.18
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0370 LF 20" x 28", 22 Gauge Galvanized Steel Duct	79.11	34.63
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.31	
23 31 13 13-0371 LF 20" x 30", 22 Gauge Galvanized Steel Duct	82.40	36.07
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.03	
23 31 13 13-0372 LF 20" x 32", 22 Gauge Galvanized Steel Duct	85.70	37.51
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	18.76	
23 31 13 13-0373 LF 20" x 34", 22 Gauge Galvanized Steel Duct	88.99	38.96
For Flat Oval, Add	3.61	
For Work In Restricted Working Space, Add	19.48	
23 31 13 13-0374 LF 20" x 36", 22 Gauge Galvanized Steel Duct	92.28	40.39
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.20	
23 31 13 13-0375 LF 20" x 38", 22 Gauge Galvanized Steel Duct	95.57	41.84
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	20.92	
23 31 13 13-0376 LF 20" x 40", 22 Gauge Galvanized Steel Duct	98.89	43.29
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	21.64	
23 31 13 13-0377 LF 20" x 42", 22 Gauge Galvanized Steel Duct	102.18	44.71
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	22.36	
23 31 13 13-0378 LF 20" x 44", 22 Gauge Galvanized Steel Duct	105.48	46.16
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.09	
23 31 13 13-0379 LF 20" x 46", 22 Gauge Galvanized Steel Duct	108.76	47.61
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.80	
23 31 13 13-0380 LF 20" x 48", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0381 LF 22" x 22", 22 Gauge Galvanized Steel Duct	72.51	31.74
For Flat Oval, Add	2.94	
For Work In Restricted Working Space, Add	15.87	
23 31 13 13-0382 LF 22" x 24", 22 Gauge Galvanized Steel Duct	75.81	33.18
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0383 LF 22" x 26", 22 Gauge Galvanized Steel Duct	79.11	34.63
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.31	
23 31 13 13-0384 LF 22" x 28", 22 Gauge Galvanized Steel Duct	82.40	36.07
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.03	
23 31 13 13-0385 LF 22" x 30", 22 Gauge Galvanized Steel Duct	85.70	37.51
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	18.76	
23 31 13 13-0386 LF 22" x 32", 22 Gauge Galvanized Steel Duct	88.99	38.96
For Flat Oval, Add	3.61	
For Work In Restricted Working Space, Add	19.48	
23 31 13 13-0387 LF 22" x 34", 22 Gauge Galvanized Steel Duct	92.28	40.39
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.20	
23 31 13 13-0388 LF 22" x 36", 22 Gauge Galvanized Steel Duct	95.57	41.84
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	20.92	
23 31 13 13-0389 LF 22" x 38", 22 Gauge Galvanized Steel Duct	98.89	43.29
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	21.64	
23 31 13 13-0390 LF 22" x 40", 22 Gauge Galvanized Steel Duct	102.18	44.71
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	22.36	
23 31 13 13-0391 LF 22" x 42", 22 Gauge Galvanized Steel Duct	105.48	46.16
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.09	
23 31 13 13-0392 LF 22" x 44", 22 Gauge Galvanized Steel Duct	108.76	47.61
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.80	
23 31 13 13-0393 LF 22" x 46", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0394 LF 22" x 48", 22 Gauge Galvanized Steel Duct	115.36	50.49
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	25.25	
23 31 13 13-0395 LF 24" x 24", 22 Gauge Galvanized Steel Duct	79.11	34.63
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.31	
23 31 13 13-0396 LF 24" x 26", 22 Gauge Galvanized Steel Duct	82.40	36.07
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0397	LF	24" x 28", 22 Gauge Galvanized Steel Duct	85.70	37.51
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.76	
23 31 13	13-0398	LF	24" x 30", 22 Gauge Galvanized Steel Duct	88.99	38.96
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 31 13	13-0399	LF	24" x 32", 22 Gauge Galvanized Steel Duct	92.28	40.39
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31 13	13-0400	LF	24" x 34", 22 Gauge Galvanized Steel Duct	95.57	41.84
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	20.92	
23 31 13	13-0401	LF	24" x 36", 22 Gauge Galvanized Steel Duct	98.89	43.29
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	21.64	
23 31 13	13-0402	LF	24" x 38", 22 Gauge Galvanized Steel Duct	102.18	44.71
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 31 13	13-0403	LF	24" x 40", 22 Gauge Galvanized Steel Duct	105.48	46.16
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.09	
23 31 13	13-0404	LF	24" x 42", 22 Gauge Galvanized Steel Duct	108.76	47.61
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	23.80	
23 31 13	13-0405	LF	24" x 44", 22 Gauge Galvanized Steel Duct	112.06	49.05
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	24.53	
23 31 13	13-0406	LF	24" x 46", 22 Gauge Galvanized Steel Duct	115.36	50.49
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	25.25	
23 31 13	13-0407	LF	24" x 48", 22 Gauge Galvanized Steel Duct	118.66	51.94
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0408	LF	26" x 26", 22 Gauge Galvanized Steel Duct	85.70	37.51
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.76	
23 31 13	13-0409	LF	26" x 28", 22 Gauge Galvanized Steel Duct	88.99	38.96
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 31 13	13-0410	LF	26" x 30", 22 Gauge Galvanized Steel Duct	92.28	40.39
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31 13	13-0411	LF	26" x 32", 22 Gauge Galvanized Steel Duct	95.57	41.84
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	20.92	
23 31 13	13-0412	LF	26" x 34", 22 Gauge Galvanized Steel Duct	98.89	43.29
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	21.64	
23 31 13	13-0413	LF	26" x 36", 22 Gauge Galvanized Steel Duct	102.18	44.71
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 31 13	13-0414	LF	26" x 38", 22 Gauge Galvanized Steel Duct	105.48	46.16
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.09	
23 31 13	13-0415	LF	26" x 40", 22 Gauge Galvanized Steel Duct	108.76	47.61
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	23.80	
23 31 13	13-0416	LF	26" x 42", 22 Gauge Galvanized Steel Duct	112.06	49.05
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	24.53	
23 31 13	13-0417	LF	26" x 44", 22 Gauge Galvanized Steel Duct	115.36	50.49
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	25.25	
23 31 13	13-0418	LF	26" x 46", 22 Gauge Galvanized Steel Duct	118.66	51.94
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13	13-0419	LF	26" x 48", 22 Gauge Galvanized Steel Duct	121.96	53.38
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
23 31 13	13-0420	LF	28" x 28", 22 Gauge Galvanized Steel Duct	92.28	40.39
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31 13	13-0421	LF	28" x 30", 22 Gauge Galvanized Steel Duct	95.57	41.84
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	20.92	
23 31 13	13-0422	LF	28" x 32", 22 Gauge Galvanized Steel Duct	98.89	43.29
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	21.64	
23 31 13	13-0423	LF	28" x 34", 22 Gauge Galvanized Steel Duct	102.18	44.71
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 31 13	13-0424	LF	28" x 36", 22 Gauge Galvanized Steel Duct	105.48	46.16
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0425 LF 28" x 38", 22 Gauge Galvanized Steel Duct	108.76	47.61
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.80	
23 31 13 13-0426 LF 28" x 40", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0427 LF 28" x 42", 22 Gauge Galvanized Steel Duct	115.36	50.49
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	25.25	
23 31 13 13-0428 LF 28" x 44", 22 Gauge Galvanized Steel Duct	118.66	51.94
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	25.97	
23 31 13 13-0429 LF 28" x 46", 22 Gauge Galvanized Steel Duct	121.96	53.38
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0430 LF 28" x 48", 22 Gauge Galvanized Steel Duct	125.25	54.82
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	27.41	
23 31 13 13-0431 LF 30" x 30", 22 Gauge Galvanized Steel Duct	98.89	43.29
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	21.64	
23 31 13 13-0432 LF 30" x 32", 22 Gauge Galvanized Steel Duct	102.18	44.71
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	22.36	
23 31 13 13-0433 LF 30" x 34", 22 Gauge Galvanized Steel Duct	105.48	46.16
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.09	
23 31 13 13-0434 LF 30" x 36", 22 Gauge Galvanized Steel Duct	108.76	47.61
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.80	
23 31 13 13-0435 LF 30" x 38", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0436 LF 30" x 40", 22 Gauge Galvanized Steel Duct	115.36	50.49
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	25.25	
23 31 13 13-0437 LF 30" x 42", 22 Gauge Galvanized Steel Duct	118.66	51.94
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	25.97	
23 31 13 13-0438 LF 30" x 44", 22 Gauge Galvanized Steel Duct	121.96	53.38
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0439 LF 30" x 46", 22 Gauge Galvanized Steel Duct	125.25	54.82
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	27.41	
23 31 13 13-0440 LF 30" x 48", 22 Gauge Galvanized Steel Duct	128.55	56.27
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	28.13	
23 31 13 13-0441 LF 32" x 32", 22 Gauge Galvanized Steel Duct	105.48	46.16
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.09	
23 31 13 13-0442 LF 32" x 34", 22 Gauge Galvanized Steel Duct	108.76	47.61
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.80	
23 31 13 13-0443 LF 32" x 36", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0444 LF 32" x 38", 22 Gauge Galvanized Steel Duct	115.36	50.49
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	25.25	
23 31 13 13-0445 LF 32" x 40", 22 Gauge Galvanized Steel Duct	118.66	51.94
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	25.97	
23 31 13 13-0446 LF 32" x 42", 22 Gauge Galvanized Steel Duct	121.96	53.38
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	26.69	
23 31 13 13-0447 LF 32" x 44", 22 Gauge Galvanized Steel Duct	125.25	54.82
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	27.41	
23 31 13 13-0448 LF 32" x 46", 22 Gauge Galvanized Steel Duct	128.55	56.27
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	28.13	
23 31 13 13-0449 LF 32" x 48", 22 Gauge Galvanized Steel Duct	131.84	57.71
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	28.85	
23 31 13 13-0450 LF 34" x 34", 22 Gauge Galvanized Steel Duct	112.06	49.05
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	24.53	
23 31 13 13-0451 LF 34" x 36", 22 Gauge Galvanized Steel Duct	115.36	50.49
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	25.25	
23 31 13 13-0452 LF 34" x 38", 22 Gauge Galvanized Steel Duct	118.66	51.94
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	25.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0453	LF		34" x 40", 22 Gauge Galvanized Steel Duct	121.96	53.38
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
23 31 13 13-0454	LF		34" x 42", 22 Gauge Galvanized Steel Duct	125.25	54.82
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	27.41	
23 31 13 13-0455	LF		34" x 44", 22 Gauge Galvanized Steel Duct	128.55	56.27
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	28.13	
23 31 13 13-0456	LF		34" x 46", 22 Gauge Galvanized Steel Duct	131.84	57.71
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	28.85	
23 31 13 13-0457	LF		34" x 48", 22 Gauge Galvanized Steel Duct	135.13	59.15
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	29.57	
23 31 13 13-0458	LF		36" x 36", 22 Gauge Galvanized Steel Duct	118.66	51.94
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	25.97	
23 31 13 13-0459	LF		36" x 38", 22 Gauge Galvanized Steel Duct	121.96	53.38
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
23 31 13 13-0460	LF		36" x 40", 22 Gauge Galvanized Steel Duct	125.25	54.82
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	27.41	
23 31 13 13-0461	LF		36" x 42", 22 Gauge Galvanized Steel Duct	128.55	56.27
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	28.13	
23 31 13 13-0462	LF		36" x 44", 22 Gauge Galvanized Steel Duct	131.84	57.71
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	28.85	
23 31 13 13-0463	LF		36" x 46", 22 Gauge Galvanized Steel Duct	135.13	59.15
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	29.57	
23 31 13 13-0464	LF		36" x 48", 22 Gauge Galvanized Steel Duct	138.42	60.60
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	30.29	
23 31 13 13-0465	LF		38" x 38", 22 Gauge Galvanized Steel Duct	125.25	54.82
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	27.41	
23 31 13 13-0466	LF		38" x 40", 22 Gauge Galvanized Steel Duct	128.55	56.27
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	28.13	
23 31 13 13-0467	LF		38" x 42", 22 Gauge Galvanized Steel Duct	131.84	57.71
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	28.85	
23 31 13 13-0468	LF		38" x 44", 22 Gauge Galvanized Steel Duct	135.13	59.15
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	29.57	
23 31 13 13-0469	LF		38" x 46", 22 Gauge Galvanized Steel Duct	138.42	60.60
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	30.29	
23 31 13 13-0470	LF		38" x 48", 22 Gauge Galvanized Steel Duct	141.74	62.03
			<i>For Flat Oval, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	31.02	
23 31 13 13-0471	LF		38" x 50", 22 Gauge Galvanized Steel Duct	145.03	63.47
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	31.74	
23 31 13 13-0472	LF		40" x 40", 22 Gauge Galvanized Steel Duct	131.84	57.71
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	28.85	
23 31 13 13-0473	LF		40" x 42", 22 Gauge Galvanized Steel Duct	135.13	59.15
			<i>For Flat Oval, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	29.57	
23 31 13 13-0474	LF		40" x 44", 22 Gauge Galvanized Steel Duct	138.42	60.60
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	30.29	
23 31 13 13-0475	LF		40" x 46", 22 Gauge Galvanized Steel Duct	141.74	62.03
			<i>For Flat Oval, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	31.02	
23 31 13 13-0476	LF		40" x 48", 22 Gauge Galvanized Steel Duct	145.03	63.47
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	31.74	
23 31 13 13-0477	LF		40" x 50", 22 Gauge Galvanized Steel Duct	148.33	64.92
			<i>For Flat Oval, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	32.46	
23 31 13 13-0478	LF		40" x 52", 22 Gauge Galvanized Steel Duct	151.61	66.36
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31 13 13-0479	LF		40" x 54", 22 Gauge Galvanized Steel Duct	154.91	67.81
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	33.90	
23 31 13 13-0480	LF		42" x 42", 22 Gauge Galvanized Steel Duct	138.42	60.60
			<i>For Flat Oval, Add</i>	5.62	
			<i>For Work In Restricted Working Space, Add</i>	30.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0481 LF 42" x 44", 22 Gauge Galvanized Steel Duct	141.74	62.03
For Flat Oval, Add	5.75	
For Work In Restricted Working Space, Add	31.02	
23 31 13 13-0482 LF 42" x 46", 22 Gauge Galvanized Steel Duct	145.03	63.47
For Flat Oval, Add	5.88	
For Work In Restricted Working Space, Add	31.74	
23 31 13 13-0483 LF 42" x 48", 22 Gauge Galvanized Steel Duct	148.33	64.92
For Flat Oval, Add	6.02	
For Work In Restricted Working Space, Add	32.46	
23 31 13 13-0484 LF 42" x 50", 22 Gauge Galvanized Steel Duct	151.61	66.36
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	33.18	
23 31 13 13-0485 LF 42" x 52", 22 Gauge Galvanized Steel Duct	154.91	67.81
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	33.90	
23 31 13 13-0486 LF 42" x 54", 22 Gauge Galvanized Steel Duct	158.20	69.25
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	34.62	
23 31 13 13-0487 LF 44" x 44", 22 Gauge Galvanized Steel Duct	145.03	63.47
For Flat Oval, Add	5.88	
For Work In Restricted Working Space, Add	31.74	
23 31 13 13-0488 LF 44" x 46", 22 Gauge Galvanized Steel Duct	148.33	64.92
For Flat Oval, Add	6.02	
For Work In Restricted Working Space, Add	32.46	
23 31 13 13-0489 LF 44" x 48", 22 Gauge Galvanized Steel Duct	151.61	66.36
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	33.18	
23 31 13 13-0490 LF 44" x 50", 22 Gauge Galvanized Steel Duct	154.91	67.81
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	33.90	
23 31 13 13-0491 LF 44" x 52", 22 Gauge Galvanized Steel Duct	158.20	69.25
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	34.62	
23 31 13 13-0492 LF 44" x 54", 22 Gauge Galvanized Steel Duct	161.51	70.69
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	35.35	
23 31 13 13-0493 LF 46" x 46", 22 Gauge Galvanized Steel Duct	151.61	66.36
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	33.18	
23 31 13 13-0494 LF 46" x 48", 22 Gauge Galvanized Steel Duct	154.91	67.81
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	33.90	
23 31 13 13-0495 LF 46" x 50", 22 Gauge Galvanized Steel Duct	158.20	69.25
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	34.62	
23 31 13 13-0496 LF 46" x 52", 22 Gauge Galvanized Steel Duct	161.51	70.69
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	35.35	
23 31 13 13-0497 LF 46" x 54", 22 Gauge Galvanized Steel Duct	164.80	72.14
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	36.07	
23 31 13 13-0498 LF 48" x 48", 22 Gauge Galvanized Steel Duct	158.20	69.25
For Flat Oval, Add	6.42	
For Work In Restricted Working Space, Add	34.62	
23 31 13 13-0499 LF 48" x 50", 22 Gauge Galvanized Steel Duct	161.51	70.69
For Flat Oval, Add	6.55	
For Work In Restricted Working Space, Add	35.35	
23 31 13 13-0500 LF 48" x 52", 22 Gauge Galvanized Steel Duct	164.80	72.14
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	36.07	
23 31 13 13-0501 LF 48" x 54", 22 Gauge Galvanized Steel Duct	168.10	73.58
For Flat Oval, Add	6.82	
For Work In Restricted Working Space, Add	36.79	
23 31 13 13-0502 LF 50" x 50", 22 Gauge Galvanized Steel Duct	164.80	72.14
For Flat Oval, Add	6.69	
For Work In Restricted Working Space, Add	36.07	
23 31 13 13-0503 LF 50" x 52", 22 Gauge Galvanized Steel Duct	168.10	73.58
For Flat Oval, Add	6.82	
For Work In Restricted Working Space, Add	36.79	
23 31 13 13-0504 LF 50" x 54", 22 Gauge Galvanized Steel Duct	171.40	75.02
For Flat Oval, Add	6.95	
For Work In Restricted Working Space, Add	37.51	
23 31 13 13-0505 LF 52" x 52", 22 Gauge Galvanized Steel Duct	171.40	75.02
For Flat Oval, Add	6.95	
For Work In Restricted Working Space, Add	37.51	
23 31 13 13-0506 LF 52" x 54", 22 Gauge Galvanized Steel Duct	174.69	76.47
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	38.23	
23 31 13 13-0507 LF 54" x 54", 22 Gauge Galvanized Steel Duct	177.98	77.91
For Flat Oval, Add	7.22	
For Work In Restricted Working Space, Add	38.95	

23 31 13 13-0508 20 Gauge Galvanized Steel Duct (23 31 13 13-0009)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0509	LF 4" x 4", 20 Gauge Galvanized Steel Duct	15.52	6.79
			For Flat Oval, Add	0.63	
			For Work In Restricted Working Space, Add	3.40	
23 31	13	13-0510	LF 4" x 6", 20 Gauge Galvanized Steel Duct	19.41	8.49
			For Flat Oval, Add	0.79	
			For Work In Restricted Working Space, Add	4.25	
23 31	13	13-0511	LF 4" x 8", 20 Gauge Galvanized Steel Duct	23.30	10.19
			For Flat Oval, Add	0.95	
			For Work In Restricted Working Space, Add	5.10	
23 31	13	13-0512	LF 4" x 10", 20 Gauge Galvanized Steel Duct	27.17	11.90
			For Flat Oval, Add	1.10	
			For Work In Restricted Working Space, Add	5.95	
23 31	13	13-0513	LF 4" x 12", 20 Gauge Galvanized Steel Duct	31.05	13.60
			For Flat Oval, Add	1.26	
			For Work In Restricted Working Space, Add	6.80	
23 31	13	13-0514	LF 4" x 14", 20 Gauge Galvanized Steel Duct	34.95	15.30
			For Flat Oval, Add	1.42	
			For Work In Restricted Working Space, Add	7.65	
23 31	13	13-0515	LF 4" x 16", 20 Gauge Galvanized Steel Duct	38.82	16.99
			For Flat Oval, Add	1.58	
			For Work In Restricted Working Space, Add	8.50	
23 31	13	13-0516	LF 6" x 6", 20 Gauge Galvanized Steel Duct	23.30	10.19
			For Flat Oval, Add	0.95	
			For Work In Restricted Working Space, Add	5.10	
23 31	13	13-0517	LF 6" x 8", 20 Gauge Galvanized Steel Duct	27.17	11.90
			For Flat Oval, Add	1.10	
			For Work In Restricted Working Space, Add	5.95	
23 31	13	13-0518	LF 6" x 10", 20 Gauge Galvanized Steel Duct	31.05	13.60
			For Flat Oval, Add	1.26	
			For Work In Restricted Working Space, Add	6.80	
23 31	13	13-0519	LF 6" x 12", 20 Gauge Galvanized Steel Duct	34.95	15.30
			For Flat Oval, Add	1.42	
			For Work In Restricted Working Space, Add	7.65	
23 31	13	13-0520	LF 6" x 14", 20 Gauge Galvanized Steel Duct	38.82	16.99
			For Flat Oval, Add	1.58	
			For Work In Restricted Working Space, Add	8.50	
23 31	13	13-0521	LF 6" x 16", 20 Gauge Galvanized Steel Duct	42.70	18.69
			For Flat Oval, Add	1.73	
			For Work In Restricted Working Space, Add	9.35	
23 31	13	13-0522	LF 8" x 8", 20 Gauge Galvanized Steel Duct	31.05	13.60
			For Flat Oval, Add	1.26	
			For Work In Restricted Working Space, Add	6.80	
23 31	13	13-0523	LF 8" x 10", 20 Gauge Galvanized Steel Duct	34.95	15.30
			For Flat Oval, Add	1.42	
			For Work In Restricted Working Space, Add	7.65	
23 31	13	13-0524	LF 8" x 12", 20 Gauge Galvanized Steel Duct	38.82	16.99
			For Flat Oval, Add	1.58	
			For Work In Restricted Working Space, Add	8.50	
23 31	13	13-0525	LF 8" x 14", 20 Gauge Galvanized Steel Duct	42.70	18.69
			For Flat Oval, Add	1.73	
			For Work In Restricted Working Space, Add	9.35	
23 31	13	13-0526	LF 8" x 16", 20 Gauge Galvanized Steel Duct	46.58	20.39
			For Flat Oval, Add	1.89	
			For Work In Restricted Working Space, Add	10.20	
23 31	13	13-0527	LF 8" x 18", 20 Gauge Galvanized Steel Duct	50.46	22.09
			For Flat Oval, Add	2.05	
			For Work In Restricted Working Space, Add	11.04	
23 31	13	13-0528	LF 8" x 20", 20 Gauge Galvanized Steel Duct	54.36	23.79
			For Flat Oval, Add	2.21	
			For Work In Restricted Working Space, Add	11.90	
23 31	13	13-0529	LF 8" x 22", 20 Gauge Galvanized Steel Duct	58.23	25.49
			For Flat Oval, Add	2.36	
			For Work In Restricted Working Space, Add	12.74	
23 31	13	13-0530	LF 8" x 24", 20 Gauge Galvanized Steel Duct	62.11	27.18
			For Flat Oval, Add	2.52	
			For Work In Restricted Working Space, Add	13.59	
23 31	13	13-0531	LF 10" x 10", 20 Gauge Galvanized Steel Duct	38.82	16.99
			For Flat Oval, Add	1.58	
			For Work In Restricted Working Space, Add	8.50	
23 31	13	13-0532	LF 10" x 12", 20 Gauge Galvanized Steel Duct	42.70	18.69
			For Flat Oval, Add	1.73	
			For Work In Restricted Working Space, Add	9.35	
23 31	13	13-0533	LF 10" x 14", 20 Gauge Galvanized Steel Duct	46.58	20.39
			For Flat Oval, Add	1.89	
			For Work In Restricted Working Space, Add	10.20	
23 31	13	13-0534	LF 10" x 16", 20 Gauge Galvanized Steel Duct	50.46	22.09
			For Flat Oval, Add	2.05	
			For Work In Restricted Working Space, Add	11.04	
23 31	13	13-0535	LF 10" x 18", 20 Gauge Galvanized Steel Duct	54.36	23.79
			For Flat Oval, Add	2.21	
			For Work In Restricted Working Space, Add	11.90	
23 31	13	13-0536	LF 10" x 20", 20 Gauge Galvanized Steel Duct	58.23	25.49
			For Flat Oval, Add	2.36	
			For Work In Restricted Working Space, Add	12.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0537 LF 10" x 22", 20 Gauge Galvanized Steel Duct	62.11	27.18
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	13.59	
23 31 13 13-0538 LF 10" x 24", 20 Gauge Galvanized Steel Duct	66.01	28.88
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	14.45	
23 31 13 13-0539 LF 10" x 26", 20 Gauge Galvanized Steel Duct	69.87	30.58
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0540 LF 10" x 28", 20 Gauge Galvanized Steel Duct	73.77	32.29
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	16.14	
23 31 13 13-0541 LF 10" x 30", 20 Gauge Galvanized Steel Duct	77.63	33.99
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	16.99	
23 31 13 13-0542 LF 10" x 32", 20 Gauge Galvanized Steel Duct	81.52	35.69
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	17.84	
23 31 13 13-0543 LF 12" x 12", 20 Gauge Galvanized Steel Duct	46.58	20.39
For Flat Oval, Add	1.89	
For Work In Restricted Working Space, Add	10.20	
23 31 13 13-0544 LF 12" x 14", 20 Gauge Galvanized Steel Duct	50.46	22.09
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.04	
23 31 13 13-0545 LF 12" x 16", 20 Gauge Galvanized Steel Duct	54.36	23.79
For Flat Oval, Add	2.21	
For Work In Restricted Working Space, Add	11.90	
23 31 13 13-0546 LF 12" x 18", 20 Gauge Galvanized Steel Duct	58.23	25.49
For Flat Oval, Add	2.36	
For Work In Restricted Working Space, Add	12.74	
23 31 13 13-0547 LF 12" x 20", 20 Gauge Galvanized Steel Duct	62.11	27.18
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	13.59	
23 31 13 13-0548 LF 12" x 22", 20 Gauge Galvanized Steel Duct	66.01	28.88
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	14.45	
23 31 13 13-0549 LF 12" x 24", 20 Gauge Galvanized Steel Duct	69.87	30.58
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0550 LF 12" x 26", 20 Gauge Galvanized Steel Duct	73.77	32.29
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	16.14	
23 31 13 13-0551 LF 12" x 28", 20 Gauge Galvanized Steel Duct	77.63	33.99
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	16.99	
23 31 13 13-0552 LF 12" x 30", 20 Gauge Galvanized Steel Duct	81.52	35.69
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	17.84	
23 31 13 13-0553 LF 12" x 32", 20 Gauge Galvanized Steel Duct	85.42	37.39
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	18.69	
23 31 13 13-0554 LF 12" x 34", 20 Gauge Galvanized Steel Duct	89.28	39.08
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	19.54	
23 31 13 13-0555 LF 12" x 36", 20 Gauge Galvanized Steel Duct	93.17	40.78
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	20.39	
23 31 13 13-0556 LF 14" x 14", 20 Gauge Galvanized Steel Duct	54.36	23.79
For Flat Oval, Add	2.21	
For Work In Restricted Working Space, Add	11.90	
23 31 13 13-0557 LF 14" x 16", 20 Gauge Galvanized Steel Duct	58.23	25.49
For Flat Oval, Add	2.36	
For Work In Restricted Working Space, Add	12.74	
23 31 13 13-0558 LF 14" x 18", 20 Gauge Galvanized Steel Duct	62.11	27.18
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	13.59	
23 31 13 13-0559 LF 14" x 20", 20 Gauge Galvanized Steel Duct	66.01	28.88
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	14.45	
23 31 13 13-0560 LF 14" x 22", 20 Gauge Galvanized Steel Duct	69.87	30.58
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	15.29	
23 31 13 13-0561 LF 14" x 24", 20 Gauge Galvanized Steel Duct	73.77	32.29
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	16.14	
23 31 13 13-0562 LF 14" x 26", 20 Gauge Galvanized Steel Duct	77.63	33.99
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	16.99	
23 31 13 13-0563 LF 14" x 28", 20 Gauge Galvanized Steel Duct	81.52	35.69
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	17.84	
23 31 13 13-0564 LF 14" x 30", 20 Gauge Galvanized Steel Duct	85.42	37.39
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	18.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0565	LF	14" x 32", 20 Gauge Galvanized Steel Duct	89.28	39.08
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 31	13 13-0566	LF	14" x 34", 20 Gauge Galvanized Steel Duct	93.17	40.78
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	20.39	
23 31	13 13-0567	LF	14" x 36", 20 Gauge Galvanized Steel Duct	97.04	42.48
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
23 31	13 13-0568	LF	16" x 16", 20 Gauge Galvanized Steel Duct	62.11	27.18
			<i>For Flat Oval, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	13.59	
23 31	13 13-0569	LF	16" x 18", 20 Gauge Galvanized Steel Duct	66.01	28.88
			<i>For Flat Oval, Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	14.45	
23 31	13 13-0570	LF	16" x 20", 20 Gauge Galvanized Steel Duct	69.87	30.58
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	15.29	
23 31	13 13-0571	LF	16" x 22", 20 Gauge Galvanized Steel Duct	73.77	32.29
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
23 31	13 13-0572	LF	16" x 24", 20 Gauge Galvanized Steel Duct	77.63	33.99
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	16.99	
23 31	13 13-0573	LF	16" x 26", 20 Gauge Galvanized Steel Duct	81.52	35.69
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
23 31	13 13-0574	LF	16" x 28", 20 Gauge Galvanized Steel Duct	85.42	37.39
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	18.69	
23 31	13 13-0575	LF	16" x 30", 20 Gauge Galvanized Steel Duct	89.28	39.08
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 31	13 13-0576	LF	16" x 32", 20 Gauge Galvanized Steel Duct	93.17	40.78
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	20.39	
23 31	13 13-0577	LF	16" x 34", 20 Gauge Galvanized Steel Duct	97.04	42.48
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
23 31	13 13-0578	LF	16" x 36", 20 Gauge Galvanized Steel Duct	100.93	44.18
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 31	13 13-0579	LF	16" x 38", 20 Gauge Galvanized Steel Duct	104.83	45.88
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	22.94	
23 31	13 13-0580	LF	16" x 40", 20 Gauge Galvanized Steel Duct	108.69	47.58
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	23.79	
23 31	13 13-0581	LF	16" x 42", 20 Gauge Galvanized Steel Duct	112.58	49.27
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	24.64	
23 31	13 13-0582	LF	16" x 44", 20 Gauge Galvanized Steel Duct	116.47	50.97
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	25.49	
23 31	13 13-0583	LF	18" x 18", 20 Gauge Galvanized Steel Duct	69.87	30.58
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	15.29	
23 31	13 13-0584	LF	18" x 20", 20 Gauge Galvanized Steel Duct	73.77	32.29
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
23 31	13 13-0585	LF	18" x 22", 20 Gauge Galvanized Steel Duct	77.63	33.99
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	16.99	
23 31	13 13-0586	LF	18" x 24", 20 Gauge Galvanized Steel Duct	81.52	35.69
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
23 31	13 13-0587	LF	18" x 26", 20 Gauge Galvanized Steel Duct	85.42	37.39
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	18.69	
23 31	13 13-0588	LF	18" x 28", 20 Gauge Galvanized Steel Duct	89.28	39.08
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	19.54	
23 31	13 13-0589	LF	18" x 30", 20 Gauge Galvanized Steel Duct	93.17	40.78
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	20.39	
23 31	13 13-0590	LF	18" x 32", 20 Gauge Galvanized Steel Duct	97.04	42.48
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
23 31	13 13-0591	LF	18" x 34", 20 Gauge Galvanized Steel Duct	100.93	44.18
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 31	13 13-0592	LF	18" x 36", 20 Gauge Galvanized Steel Duct	104.83	45.88
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	22.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0593 LF 18" x 38", 20 Gauge Galvanized Steel Duct	108.69	47.58
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.79	
23 31 13 13-0594 LF 18" x 40", 20 Gauge Galvanized Steel Duct	112.58	49.27
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	24.64	
23 31 13 13-0595 LF 18" x 42", 20 Gauge Galvanized Steel Duct	116.47	50.97
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	25.49	
23 31 13 13-0596 LF 18" x 44", 20 Gauge Galvanized Steel Duct	120.34	52.68
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	26.34	
23 31 13 13-0597 LF 18" x 46", 20 Gauge Galvanized Steel Duct	124.24	54.38
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	27.19	
23 31 13 13-0598 LF 20" x 20", 20 Gauge Galvanized Steel Duct	77.63	33.99
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	16.99	
23 31 13 13-0599 LF 20" x 22", 20 Gauge Galvanized Steel Duct	81.52	35.69
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	17.84	
23 31 13 13-0600 LF 20" x 24", 20 Gauge Galvanized Steel Duct	85.42	37.39
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	18.69	
23 31 13 13-0601 LF 20" x 26", 20 Gauge Galvanized Steel Duct	89.28	39.08
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	19.54	
23 31 13 13-0602 LF 20" x 28", 20 Gauge Galvanized Steel Duct	93.17	40.78
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	20.39	
23 31 13 13-0603 LF 20" x 30", 20 Gauge Galvanized Steel Duct	97.04	42.48
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	21.24	
23 31 13 13-0604 LF 20" x 32", 20 Gauge Galvanized Steel Duct	100.93	44.18
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.09	
23 31 13 13-0605 LF 20" x 34", 20 Gauge Galvanized Steel Duct	104.83	45.88
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	22.94	
23 31 13 13-0606 LF 20" x 36", 20 Gauge Galvanized Steel Duct	108.69	47.58
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.79	
23 31 13 13-0607 LF 20" x 38", 20 Gauge Galvanized Steel Duct	112.58	49.27
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	24.64	
23 31 13 13-0608 LF 20" x 40", 20 Gauge Galvanized Steel Duct	116.47	50.97
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	25.49	
23 31 13 13-0609 LF 20" x 42", 20 Gauge Galvanized Steel Duct	120.34	52.68
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	26.34	
23 31 13 13-0610 LF 20" x 44", 20 Gauge Galvanized Steel Duct	124.24	54.38
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	27.19	
23 31 13 13-0611 LF 20" x 46", 20 Gauge Galvanized Steel Duct	128.09	56.08
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.04	
23 31 13 13-0612 LF 20" x 48", 20 Gauge Galvanized Steel Duct	131.99	57.78
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	28.89	
23 31 13 13-0613 LF 22" x 22", 20 Gauge Galvanized Steel Duct	85.42	37.39
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	18.69	
23 31 13 13-0614 LF 22" x 24", 20 Gauge Galvanized Steel Duct	89.28	39.08
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	19.54	
23 31 13 13-0615 LF 22" x 26", 20 Gauge Galvanized Steel Duct	93.17	40.78
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	20.39	
23 31 13 13-0616 LF 22" x 28", 20 Gauge Galvanized Steel Duct	97.04	42.48
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	21.24	
23 31 13 13-0617 LF 22" x 30", 20 Gauge Galvanized Steel Duct	100.93	44.18
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.09	
23 31 13 13-0618 LF 22" x 32", 20 Gauge Galvanized Steel Duct	104.83	45.88
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	22.94	
23 31 13 13-0619 LF 22" x 34", 20 Gauge Galvanized Steel Duct	108.69	47.58
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.79	
23 31 13 13-0620 LF 22" x 36", 20 Gauge Galvanized Steel Duct	112.58	49.27
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	24.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0621	LF	22" x 38", 20 Gauge Galvanized Steel Duct	116.47	50.97
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	25.49	
23 31 13	13-0622	LF	22" x 40", 20 Gauge Galvanized Steel Duct	120.34	52.68
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	26.34	
23 31 13	13-0623	LF	22" x 42", 20 Gauge Galvanized Steel Duct	124.24	54.38
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 31 13	13-0624	LF	22" x 44", 20 Gauge Galvanized Steel Duct	128.09	56.08
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.04	
23 31 13	13-0625	LF	22" x 46", 20 Gauge Galvanized Steel Duct	131.99	57.78
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	28.89	
23 31 13	13-0626	LF	22" x 48", 20 Gauge Galvanized Steel Duct	135.88	59.47
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	29.74	
23 31 13	13-0627	LF	24" x 24", 20 Gauge Galvanized Steel Duct	93.17	40.78
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	20.39	
23 31 13	13-0628	LF	24" x 26", 20 Gauge Galvanized Steel Duct	97.04	42.48
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
23 31 13	13-0629	LF	24" x 28", 20 Gauge Galvanized Steel Duct	100.93	44.18
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 31 13	13-0630	LF	24" x 30", 20 Gauge Galvanized Steel Duct	104.83	45.88
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	22.94	
23 31 13	13-0631	LF	24" x 32", 20 Gauge Galvanized Steel Duct	108.69	47.58
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	23.79	
23 31 13	13-0632	LF	24" x 34", 20 Gauge Galvanized Steel Duct	112.58	49.27
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	24.64	
23 31 13	13-0633	LF	24" x 36", 20 Gauge Galvanized Steel Duct	116.47	50.97
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	25.49	
23 31 13	13-0634	LF	24" x 38", 20 Gauge Galvanized Steel Duct	120.34	52.68
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	26.34	
23 31 13	13-0635	LF	24" x 40", 20 Gauge Galvanized Steel Duct	124.24	54.38
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 31 13	13-0636	LF	24" x 42", 20 Gauge Galvanized Steel Duct	128.09	56.08
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.04	
23 31 13	13-0637	LF	24" x 44", 20 Gauge Galvanized Steel Duct	131.99	57.78
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	28.89	
23 31 13	13-0638	LF	24" x 46", 20 Gauge Galvanized Steel Duct	135.88	59.47
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	29.74	
23 31 13	13-0639	LF	24" x 48", 20 Gauge Galvanized Steel Duct	139.75	61.17
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13	13-0640	LF	26" x 26", 20 Gauge Galvanized Steel Duct	100.93	44.18
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 31 13	13-0641	LF	26" x 28", 20 Gauge Galvanized Steel Duct	104.83	45.88
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	22.94	
23 31 13	13-0642	LF	26" x 30", 20 Gauge Galvanized Steel Duct	108.69	47.58
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	23.79	
23 31 13	13-0643	LF	26" x 32", 20 Gauge Galvanized Steel Duct	112.58	49.27
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	24.64	
23 31 13	13-0644	LF	26" x 34", 20 Gauge Galvanized Steel Duct	116.47	50.97
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	25.49	
23 31 13	13-0645	LF	26" x 36", 20 Gauge Galvanized Steel Duct	120.34	52.68
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	26.34	
23 31 13	13-0646	LF	26" x 38", 20 Gauge Galvanized Steel Duct	124.24	54.38
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	27.19	
23 31 13	13-0647	LF	26" x 40", 20 Gauge Galvanized Steel Duct	128.09	56.08
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.04	
23 31 13	13-0648	LF	26" x 42", 20 Gauge Galvanized Steel Duct	131.99	57.78
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	28.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0649 LF 26" x 44", 20 Gauge Galvanized Steel Duct	135.88	59.47
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	29.74	
23 31 13 13-0650 LF 26" x 46", 20 Gauge Galvanized Steel Duct	139.75	61.17
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	30.59	
23 31 13 13-0651 LF 26" x 48", 20 Gauge Galvanized Steel Duct	143.65	62.87
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	31.44	
23 31 13 13-0652 LF 28" x 28", 20 Gauge Galvanized Steel Duct	108.69	47.58
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	23.79	
23 31 13 13-0653 LF 28" x 30", 20 Gauge Galvanized Steel Duct	112.58	49.27
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	24.64	
23 31 13 13-0654 LF 28" x 32", 20 Gauge Galvanized Steel Duct	116.47	50.97
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	25.49	
23 31 13 13-0655 LF 28" x 34", 20 Gauge Galvanized Steel Duct	120.34	52.68
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	26.34	
23 31 13 13-0656 LF 28" x 36", 20 Gauge Galvanized Steel Duct	124.24	54.38
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	27.19	
23 31 13 13-0657 LF 28" x 38", 20 Gauge Galvanized Steel Duct	128.09	56.08
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.04	
23 31 13 13-0658 LF 28" x 40", 20 Gauge Galvanized Steel Duct	131.99	57.78
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	28.89	
23 31 13 13-0659 LF 28" x 42", 20 Gauge Galvanized Steel Duct	135.88	59.47
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	29.74	
23 31 13 13-0660 LF 28" x 44", 20 Gauge Galvanized Steel Duct	139.75	61.17
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	30.59	
23 31 13 13-0661 LF 28" x 46", 20 Gauge Galvanized Steel Duct	143.65	62.87
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	31.44	
23 31 13 13-0662 LF 28" x 48", 20 Gauge Galvanized Steel Duct	147.50	64.57
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	32.28	
23 31 13 13-0663 LF 30" x 30", 20 Gauge Galvanized Steel Duct	116.47	50.97
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	25.49	
23 31 13 13-0664 LF 30" x 32", 20 Gauge Galvanized Steel Duct	120.34	52.68
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	26.34	
23 31 13 13-0665 LF 30" x 34", 20 Gauge Galvanized Steel Duct	124.24	54.38
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	27.19	
23 31 13 13-0666 LF 30" x 36", 20 Gauge Galvanized Steel Duct	128.09	56.08
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.04	
23 31 13 13-0667 LF 30" x 38", 20 Gauge Galvanized Steel Duct	131.99	57.78
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	28.89	
23 31 13 13-0668 LF 30" x 40", 20 Gauge Galvanized Steel Duct	135.88	59.47
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	29.74	
23 31 13 13-0669 LF 30" x 42", 20 Gauge Galvanized Steel Duct	139.75	61.17
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	30.59	
23 31 13 13-0670 LF 30" x 44", 20 Gauge Galvanized Steel Duct	143.65	62.87
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	31.44	
23 31 13 13-0671 LF 30" x 46", 20 Gauge Galvanized Steel Duct	147.50	64.57
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	32.28	
23 31 13 13-0672 LF 30" x 48", 20 Gauge Galvanized Steel Duct	151.40	66.27
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	33.14	
23 31 13 13-0673 LF 32" x 32", 20 Gauge Galvanized Steel Duct	124.24	54.38
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	27.19	
23 31 13 13-0674 LF 32" x 34", 20 Gauge Galvanized Steel Duct	128.09	56.08
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.04	
23 31 13 13-0675 LF 32" x 36", 20 Gauge Galvanized Steel Duct	131.99	57.78
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	28.89	
23 31 13 13-0676 LF 32" x 38", 20 Gauge Galvanized Steel Duct	135.88	59.47
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	29.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0677	LF	32" x 40", 20 Gauge Galvanized Steel Duct	139.75	61.17
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13	13-0678	LF	32" x 42", 20 Gauge Galvanized Steel Duct	143.65	62.87
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	31.44	
23 31 13	13-0679	LF	32" x 44", 20 Gauge Galvanized Steel Duct	147.50	64.57
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	32.28	
23 31 13	13-0680	LF	32" x 46", 20 Gauge Galvanized Steel Duct	151.40	66.27
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	33.14	
23 31 13	13-0681	LF	32" x 48", 20 Gauge Galvanized Steel Duct	155.29	67.97
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
23 31 13	13-0682	LF	34" x 34", 20 Gauge Galvanized Steel Duct	131.99	57.78
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	28.89	
23 31 13	13-0683	LF	34" x 36", 20 Gauge Galvanized Steel Duct	135.88	59.47
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	29.74	
23 31 13	13-0684	LF	34" x 38", 20 Gauge Galvanized Steel Duct	139.75	61.17
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13	13-0685	LF	34" x 40", 20 Gauge Galvanized Steel Duct	143.65	62.87
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	31.44	
23 31 13	13-0686	LF	34" x 42", 20 Gauge Galvanized Steel Duct	147.50	64.57
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	32.28	
23 31 13	13-0687	LF	34" x 44", 20 Gauge Galvanized Steel Duct	151.40	66.27
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	33.14	
23 31 13	13-0688	LF	34" x 46", 20 Gauge Galvanized Steel Duct	155.29	67.97
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
23 31 13	13-0689	LF	34" x 48", 20 Gauge Galvanized Steel Duct	159.16	69.66
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	34.83	
23 31 13	13-0690	LF	36" x 36", 20 Gauge Galvanized Steel Duct	139.75	61.17
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	30.59	
23 31 13	13-0691	LF	36" x 38", 20 Gauge Galvanized Steel Duct	143.65	62.87
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	31.44	
23 31 13	13-0692	LF	36" x 40", 20 Gauge Galvanized Steel Duct	147.50	64.57
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	32.28	
23 31 13	13-0693	LF	36" x 42", 20 Gauge Galvanized Steel Duct	151.40	66.27
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	33.14	
23 31 13	13-0694	LF	36" x 44", 20 Gauge Galvanized Steel Duct	155.29	67.97
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
23 31 13	13-0695	LF	36" x 46", 20 Gauge Galvanized Steel Duct	159.16	69.66
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	34.83	
23 31 13	13-0696	LF	36" x 48", 20 Gauge Galvanized Steel Duct	163.05	71.36
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	35.69	
23 31 13	13-0697	LF	38" x 38", 20 Gauge Galvanized Steel Duct	147.50	64.57
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	32.28	
23 31 13	13-0698	LF	38" x 40", 20 Gauge Galvanized Steel Duct	151.40	66.27
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	33.14	
23 31 13	13-0699	LF	38" x 42", 20 Gauge Galvanized Steel Duct	155.29	67.97
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	33.98	
23 31 13	13-0700	LF	38" x 44", 20 Gauge Galvanized Steel Duct	159.16	69.66
			<i>For Flat Oval, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	34.83	
23 31 13	13-0701	LF	38" x 46", 20 Gauge Galvanized Steel Duct	163.05	71.36
			<i>For Flat Oval, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	35.69	
23 31 13	13-0702	LF	38" x 48", 20 Gauge Galvanized Steel Duct	166.93	73.06
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	36.53	
23 31 13	13-0703	LF	38" x 50", 20 Gauge Galvanized Steel Duct	170.81	74.77
			<i>For Flat Oval, Add</i>	6.93	
			<i>For Work In Restricted Working Space, Add</i>	37.38	
23 31 13	13-0704	LF	40" x 40", 20 Gauge Galvanized Steel Duct	155.29	67.97
			<i>For Flat Oval, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	33.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0705 LF 40" x 42", 20 Gauge Galvanized Steel Duct	159.16	69.66
For Flat Oval, Add	6.46	
For Work In Restricted Working Space, Add	34.83	
23 31 13 13-0706 LF 40" x 44", 20 Gauge Galvanized Steel Duct	163.05	71.36
For Flat Oval, Add	6.62	
For Work In Restricted Working Space, Add	35.69	
23 31 13 13-0707 LF 40" x 46", 20 Gauge Galvanized Steel Duct	166.93	73.06
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0708 LF 40" x 48", 20 Gauge Galvanized Steel Duct	170.81	74.77
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	37.38	
23 31 13 13-0709 LF 40" x 50", 20 Gauge Galvanized Steel Duct	174.70	76.47
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	38.23	
23 31 13 13-0710 LF 40" x 52", 20 Gauge Galvanized Steel Duct	178.56	78.17
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	39.08	
23 31 13 13-0711 LF 40" x 54", 20 Gauge Galvanized Steel Duct	182.46	79.87
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	39.93	
23 31 13 13-0712 LF 40" x 56", 20 Gauge Galvanized Steel Duct	186.34	81.56
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	40.78	
23 31 13 13-0713 LF 42" x 42", 20 Gauge Galvanized Steel Duct	163.05	71.36
For Flat Oval, Add	6.62	
For Work In Restricted Working Space, Add	35.69	
23 31 13 13-0714 LF 42" x 44", 20 Gauge Galvanized Steel Duct	166.93	73.06
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.53	
23 31 13 13-0715 LF 42" x 46", 20 Gauge Galvanized Steel Duct	170.81	74.77
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	37.38	
23 31 13 13-0716 LF 42" x 48", 20 Gauge Galvanized Steel Duct	174.70	76.47
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	38.23	
23 31 13 13-0717 LF 42" x 50", 20 Gauge Galvanized Steel Duct	178.56	78.17
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	39.08	
23 31 13 13-0718 LF 42" x 52", 20 Gauge Galvanized Steel Duct	182.46	79.87
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	39.93	
23 31 13 13-0719 LF 42" x 54", 20 Gauge Galvanized Steel Duct	186.34	81.56
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	40.78	
23 31 13 13-0720 LF 42" x 56", 20 Gauge Galvanized Steel Duct	190.22	83.26
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	41.63	
23 31 13 13-0721 LF 44" x 44", 20 Gauge Galvanized Steel Duct	170.81	74.77
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	37.38	
23 31 13 13-0722 LF 44" x 46", 20 Gauge Galvanized Steel Duct	174.70	76.47
For Flat Oval, Add	7.09	
For Work In Restricted Working Space, Add	38.23	
23 31 13 13-0723 LF 44" x 48", 20 Gauge Galvanized Steel Duct	178.56	78.17
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	39.08	
23 31 13 13-0724 LF 44" x 50", 20 Gauge Galvanized Steel Duct	182.46	79.87
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	39.93	
23 31 13 13-0725 LF 44" x 52", 20 Gauge Galvanized Steel Duct	186.34	81.56
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	40.78	
23 31 13 13-0726 LF 44" x 54", 20 Gauge Galvanized Steel Duct	190.22	83.26
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	41.63	
23 31 13 13-0727 LF 44" x 56", 20 Gauge Galvanized Steel Duct	194.11	84.96
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	42.48	
23 31 13 13-0728 LF 46" x 46", 20 Gauge Galvanized Steel Duct	178.56	78.17
For Flat Oval, Add	7.24	
For Work In Restricted Working Space, Add	39.08	
23 31 13 13-0729 LF 46" x 48", 20 Gauge Galvanized Steel Duct	182.46	79.87
For Flat Oval, Add	7.40	
For Work In Restricted Working Space, Add	39.93	
23 31 13 13-0730 LF 46" x 50", 20 Gauge Galvanized Steel Duct	186.34	81.56
For Flat Oval, Add	7.56	
For Work In Restricted Working Space, Add	40.78	
23 31 13 13-0731 LF 46" x 52", 20 Gauge Galvanized Steel Duct	190.22	83.26
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	41.63	
23 31 13 13-0732 LF 46" x 54", 20 Gauge Galvanized Steel Duct	194.11	84.96
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	42.48	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0733	LF	46" x 56", 20 Gauge Galvanized Steel Duct	198.00	86.66
			<i>For Flat Oval, Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	43.33	
23 31 13	13-0734	LF	46" x 58", 20 Gauge Galvanized Steel Duct	201.87	88.36
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	44.18	
23 31 13	13-0735	LF	48" x 48", 20 Gauge Galvanized Steel Duct	186.34	81.56
			<i>For Flat Oval, Add</i>	7.56	
			<i>For Work In Restricted Working Space, Add</i>	40.78	
23 31 13	13-0736	LF	48" x 50", 20 Gauge Galvanized Steel Duct	190.22	83.26
			<i>For Flat Oval, Add</i>	7.72	
			<i>For Work In Restricted Working Space, Add</i>	41.63	
23 31 13	13-0737	LF	48" x 52", 20 Gauge Galvanized Steel Duct	194.11	84.96
			<i>For Flat Oval, Add</i>	7.88	
			<i>For Work In Restricted Working Space, Add</i>	42.48	
23 31 13	13-0738	LF	48" x 54", 20 Gauge Galvanized Steel Duct	198.00	86.66
			<i>For Flat Oval, Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	43.33	
23 31 13	13-0739	LF	48" x 56", 20 Gauge Galvanized Steel Duct	201.87	88.36
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	44.18	
23 31 13	13-0740	LF	48" x 58", 20 Gauge Galvanized Steel Duct	205.75	90.06
			<i>For Flat Oval, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	45.03	
23 31 13	13-0741	LF	48" x 60", 20 Gauge Galvanized Steel Duct	209.63	91.75
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	45.88	
23 31 13	13-0742	LF	50" x 50", 20 Gauge Galvanized Steel Duct	194.11	84.96
			<i>For Flat Oval, Add</i>	7.88	
			<i>For Work In Restricted Working Space, Add</i>	42.48	
23 31 13	13-0743	LF	50" x 52", 20 Gauge Galvanized Steel Duct	198.00	86.66
			<i>For Flat Oval, Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	43.33	
23 31 13	13-0744	LF	50" x 54", 20 Gauge Galvanized Steel Duct	201.87	88.36
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	44.18	
23 31 13	13-0745	LF	50" x 56", 20 Gauge Galvanized Steel Duct	205.75	90.06
			<i>For Flat Oval, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	45.03	
23 31 13	13-0746	LF	50" x 58", 20 Gauge Galvanized Steel Duct	209.63	91.75
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	45.88	
23 31 13	13-0747	LF	50" x 60", 20 Gauge Galvanized Steel Duct	213.51	93.45
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	46.73	
23 31 13	13-0748	LF	52" x 52", 20 Gauge Galvanized Steel Duct	201.87	88.36
			<i>For Flat Oval, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	44.18	
23 31 13	13-0749	LF	52" x 54", 20 Gauge Galvanized Steel Duct	205.75	90.06
			<i>For Flat Oval, Add</i>	8.35	
			<i>For Work In Restricted Working Space, Add</i>	45.03	
23 31 13	13-0750	LF	52" x 56", 20 Gauge Galvanized Steel Duct	209.63	91.75
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	45.88	
23 31 13	13-0751	LF	52" x 58", 20 Gauge Galvanized Steel Duct	213.51	93.45
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	46.73	
23 31 13	13-0752	LF	52" x 60", 20 Gauge Galvanized Steel Duct	217.41	95.16
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.58	
23 31 13	13-0753	LF	54" x 54", 20 Gauge Galvanized Steel Duct	209.63	91.75
			<i>For Flat Oval, Add</i>	8.51	
			<i>For Work In Restricted Working Space, Add</i>	45.88	
23 31 13	13-0754	LF	54" x 56", 20 Gauge Galvanized Steel Duct	213.51	93.45
			<i>For Flat Oval, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	46.73	
23 31 13	13-0755	LF	54" x 58", 20 Gauge Galvanized Steel Duct	217.41	95.16
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.58	
23 31 13	13-0756	LF	54" x 60", 20 Gauge Galvanized Steel Duct	221.28	96.86
			<i>For Flat Oval, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	48.43	
23 31 13	13-0757	LF	54" x 62", 20 Gauge Galvanized Steel Duct	225.16	98.56
			<i>For Flat Oval, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	49.28	
23 31 13	13-0758	LF	54" x 64", 20 Gauge Galvanized Steel Duct	229.03	100.26
			<i>For Flat Oval, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	50.13	
23 31 13	13-0759	LF	56" x 56", 20 Gauge Galvanized Steel Duct	217.41	95.16
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.58	
23 31 13	13-0760	LF	56" x 58", 20 Gauge Galvanized Steel Duct	221.28	96.86
			<i>For Flat Oval, Add</i>	8.98	
			<i>For Work In Restricted Working Space, Add</i>	48.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0761 LF 56" x 60", 20 Gauge Galvanized Steel Duct	225.16	98.56
For Flat Oval, Add	9.14	
For Work In Restricted Working Space, Add	49.28	
23 31 13 13-0762 LF 56" x 62", 20 Gauge Galvanized Steel Duct	229.03	100.26
For Flat Oval, Add	9.29	
For Work In Restricted Working Space, Add	50.13	
23 31 13 13-0763 LF 56" x 64", 20 Gauge Galvanized Steel Duct	232.92	101.95
For Flat Oval, Add	9.45	
For Work In Restricted Working Space, Add	50.98	
23 31 13 13-0764 LF 58" x 58", 20 Gauge Galvanized Steel Duct	225.16	98.56
For Flat Oval, Add	9.14	
For Work In Restricted Working Space, Add	49.28	
23 31 13 13-0765 LF 58" x 60", 20 Gauge Galvanized Steel Duct	229.03	100.26
For Flat Oval, Add	9.29	
For Work In Restricted Working Space, Add	50.13	
23 31 13 13-0766 LF 58" x 62", 20 Gauge Galvanized Steel Duct	232.92	101.95
For Flat Oval, Add	9.45	
For Work In Restricted Working Space, Add	50.98	
23 31 13 13-0767 LF 58" x 64", 20 Gauge Galvanized Steel Duct	236.82	103.65
For Flat Oval, Add	9.61	
For Work In Restricted Working Space, Add	51.83	
23 31 13 13-0768 LF 58" x 66", 20 Gauge Galvanized Steel Duct	240.69	105.35
For Flat Oval, Add	9.77	
For Work In Restricted Working Space, Add	52.68	
23 31 13 13-0769 LF 60" x 60", 20 Gauge Galvanized Steel Duct	232.92	101.95
For Flat Oval, Add	9.45	
For Work In Restricted Working Space, Add	50.98	
23 31 13 13-0770 LF 60" x 62", 20 Gauge Galvanized Steel Duct	236.82	103.65
For Flat Oval, Add	9.61	
For Work In Restricted Working Space, Add	51.83	
23 31 13 13-0771 LF 60" x 64", 20 Gauge Galvanized Steel Duct	240.69	105.35
For Flat Oval, Add	9.77	
For Work In Restricted Working Space, Add	52.68	
23 31 13 13-0772 LF 60" x 66", 20 Gauge Galvanized Steel Duct	244.57	107.05
For Flat Oval, Add	9.92	
For Work In Restricted Working Space, Add	53.52	
23 31 13 13-0773 LF 60" x 68", 20 Gauge Galvanized Steel Duct	248.46	108.75
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	54.38	
23 31 13 13-0774 LF 62" x 62", 20 Gauge Galvanized Steel Duct	240.69	105.35
For Flat Oval, Add	9.77	
For Work In Restricted Working Space, Add	52.68	
23 31 13 13-0775 LF 62" x 64", 20 Gauge Galvanized Steel Duct	244.57	107.05
For Flat Oval, Add	9.92	
For Work In Restricted Working Space, Add	53.52	
23 31 13 13-0776 LF 62" x 66", 20 Gauge Galvanized Steel Duct	248.46	108.75
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	54.38	
23 31 13 13-0777 LF 62" x 68", 20 Gauge Galvanized Steel Duct	252.33	110.45
For Flat Oval, Add	10.24	
For Work In Restricted Working Space, Add	55.22	
23 31 13 13-0778 LF 62" x 70", 20 Gauge Galvanized Steel Duct	256.23	112.15
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	56.08	
23 31 13 13-0779 LF 64" x 64", 20 Gauge Galvanized Steel Duct	248.46	108.75
For Flat Oval, Add	10.08	
For Work In Restricted Working Space, Add	54.38	
23 31 13 13-0780 LF 64" x 66", 20 Gauge Galvanized Steel Duct	252.33	110.45
For Flat Oval, Add	10.24	
For Work In Restricted Working Space, Add	55.22	
23 31 13 13-0781 LF 64" x 68", 20 Gauge Galvanized Steel Duct	256.23	112.15
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	56.08	
23 31 13 13-0782 LF 64" x 70", 20 Gauge Galvanized Steel Duct	260.10	113.84
For Flat Oval, Add	10.55	
For Work In Restricted Working Space, Add	56.93	
23 31 13 13-0783 LF 66" x 66", 20 Gauge Galvanized Steel Duct	256.23	112.15
For Flat Oval, Add	10.40	
For Work In Restricted Working Space, Add	56.08	
23 31 13 13-0784 LF 66" x 68", 20 Gauge Galvanized Steel Duct	260.10	113.84
For Flat Oval, Add	10.55	
For Work In Restricted Working Space, Add	56.93	
23 31 13 13-0785 LF 66" x 70", 20 Gauge Galvanized Steel Duct	263.97	115.55
For Flat Oval, Add	10.71	
For Work In Restricted Working Space, Add	57.77	
23 31 13 13-0786 LF 66" x 72", 20 Gauge Galvanized Steel Duct	267.87	117.25
For Flat Oval, Add	10.87	
For Work In Restricted Working Space, Add	58.62	
23 31 13 13-0787 LF 68" x 68", 20 Gauge Galvanized Steel Duct	263.97	115.55
For Flat Oval, Add	10.71	
For Work In Restricted Working Space, Add	57.77	
23 31 13 13-0788 LF 68" x 70", 20 Gauge Galvanized Steel Duct	267.87	117.25
For Flat Oval, Add	10.87	
For Work In Restricted Working Space, Add	58.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0789	LF	68" x 72", 20 Gauge Galvanized Steel Duct	271.74	118.95
			<i>For Flat Oval, Add</i>	11.03	
			<i>For Work In Restricted Working Space, Add</i>	59.47	
23 31 13	13-0790	LF	68" x 74", 20 Gauge Galvanized Steel Duct	275.64	120.65
			<i>For Flat Oval, Add</i>	11.18	
			<i>For Work In Restricted Working Space, Add</i>	60.32	
23 31 13	13-0791	LF	70" x 70", 20 Gauge Galvanized Steel Duct	271.74	118.95
			<i>For Flat Oval, Add</i>	11.03	
			<i>For Work In Restricted Working Space, Add</i>	59.47	
23 31 13	13-0792	LF	70" x 72", 20 Gauge Galvanized Steel Duct	275.64	120.65
			<i>For Flat Oval, Add</i>	11.18	
			<i>For Work In Restricted Working Space, Add</i>	60.32	
23 31 13	13-0793	LF	70" x 74", 20 Gauge Galvanized Steel Duct	279.52	122.35
			<i>For Flat Oval, Add</i>	11.34	
			<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13	13-0794	LF	70" x 76", 20 Gauge Galvanized Steel Duct	283.39	124.04
			<i>For Flat Oval, Add</i>	11.50	
			<i>For Work In Restricted Working Space, Add</i>	62.02	
23 31 13	13-0795	LF	70" x 78", 20 Gauge Galvanized Steel Duct	287.28	125.74
			<i>For Flat Oval, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	62.87	
23 31 13	13-0796	LF	70" x 80", 20 Gauge Galvanized Steel Duct	291.15	127.44
			<i>For Flat Oval, Add</i>	11.81	
			<i>For Work In Restricted Working Space, Add</i>	63.72	
23 31 13	13-0797	LF	70" x 82", 20 Gauge Galvanized Steel Duct	295.05	129.14
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	64.57	
23 31 13	13-0798	LF	70" x 84", 20 Gauge Galvanized Steel Duct	298.93	130.84
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	65.42	
23 31 13	13-0799	LF	72" x 72", 20 Gauge Galvanized Steel Duct	279.52	122.35
			<i>For Flat Oval, Add</i>	11.34	
			<i>For Work In Restricted Working Space, Add</i>	61.17	
23 31 13	13-0800	LF	72" x 74", 20 Gauge Galvanized Steel Duct	283.39	124.04
			<i>For Flat Oval, Add</i>	11.50	
			<i>For Work In Restricted Working Space, Add</i>	62.02	
23 31 13	13-0801	LF	72" x 76", 20 Gauge Galvanized Steel Duct	287.28	125.74
			<i>For Flat Oval, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	62.87	
23 31 13	13-0802	LF	72" x 78", 20 Gauge Galvanized Steel Duct	291.15	127.44
			<i>For Flat Oval, Add</i>	11.81	
			<i>For Work In Restricted Working Space, Add</i>	63.72	
23 31 13	13-0803	LF	72" x 80", 20 Gauge Galvanized Steel Duct	295.05	129.14
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	64.57	
23 31 13	13-0804	LF	72" x 82", 20 Gauge Galvanized Steel Duct	298.93	130.84
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	65.42	
23 31 13	13-0805	LF	72" x 84", 20 Gauge Galvanized Steel Duct	302.80	132.54
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	66.27	
23 31 13	13-0806	LF	74" x 74", 20 Gauge Galvanized Steel Duct	287.28	125.74
			<i>For Flat Oval, Add</i>	11.66	
			<i>For Work In Restricted Working Space, Add</i>	62.87	
23 31 13	13-0807	LF	74" x 76", 20 Gauge Galvanized Steel Duct	291.15	127.44
			<i>For Flat Oval, Add</i>	11.81	
			<i>For Work In Restricted Working Space, Add</i>	63.72	
23 31 13	13-0808	LF	74" x 78", 20 Gauge Galvanized Steel Duct	295.05	129.14
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	64.57	
23 31 13	13-0809	LF	74" x 80", 20 Gauge Galvanized Steel Duct	298.93	130.84
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	65.42	
23 31 13	13-0810	LF	74" x 82", 20 Gauge Galvanized Steel Duct	302.80	132.54
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	66.27	
23 31 13	13-0811	LF	74" x 84", 20 Gauge Galvanized Steel Duct	306.69	134.23
			<i>For Flat Oval, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	67.12	
23 31 13	13-0812	LF	76" x 76", 20 Gauge Galvanized Steel Duct	295.05	129.14
			<i>For Flat Oval, Add</i>	11.97	
			<i>For Work In Restricted Working Space, Add</i>	64.57	
23 31 13	13-0813	LF	76" x 78", 20 Gauge Galvanized Steel Duct	298.93	130.84
			<i>For Flat Oval, Add</i>	12.13	
			<i>For Work In Restricted Working Space, Add</i>	65.42	
23 31 13	13-0814	LF	76" x 80", 20 Gauge Galvanized Steel Duct	302.80	132.54
			<i>For Flat Oval, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	66.27	
23 31 13	13-0815	LF	76" x 82", 20 Gauge Galvanized Steel Duct	306.69	134.23
			<i>For Flat Oval, Add</i>	12.44	
			<i>For Work In Restricted Working Space, Add</i>	67.12	
23 31 13	13-0816	LF	76" x 84", 20 Gauge Galvanized Steel Duct	310.56	135.93
			<i>For Flat Oval, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	67.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0817 LF 78" x 78", 20 Gauge Galvanized Steel Duct	302.80	132.54
For Flat Oval, Add	12.29	
For Work In Restricted Working Space, Add	66.27	
23 31 13 13-0818 LF 78" x 80", 20 Gauge Galvanized Steel Duct	306.69	134.23
For Flat Oval, Add	12.44	
For Work In Restricted Working Space, Add	67.12	
23 31 13 13-0819 LF 78" x 82", 20 Gauge Galvanized Steel Duct	310.56	135.93
For Flat Oval, Add	12.60	
For Work In Restricted Working Space, Add	67.97	
23 31 13 13-0820 LF 78" x 84", 20 Gauge Galvanized Steel Duct	314.45	137.64
For Flat Oval, Add	12.76	
For Work In Restricted Working Space, Add	68.82	
23 31 13 13-0821 LF 80" x 80", 20 Gauge Galvanized Steel Duct	310.56	135.93
For Flat Oval, Add	12.60	
For Work In Restricted Working Space, Add	67.97	
23 31 13 13-0822 LF 80" x 82", 20 Gauge Galvanized Steel Duct	314.45	137.64
For Flat Oval, Add	12.76	
For Work In Restricted Working Space, Add	68.82	
23 31 13 13-0823 LF 80" x 84", 20 Gauge Galvanized Steel Duct	318.34	139.34
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	69.67	
23 31 13 13-0824 LF 82" x 82", 20 Gauge Galvanized Steel Duct	318.34	139.34
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	69.67	
23 31 13 13-0825 LF 82" x 84", 20 Gauge Galvanized Steel Duct	322.21	141.04
For Flat Oval, Add	13.07	
For Work In Restricted Working Space, Add	70.52	
23 31 13 13-0826 LF 84" x 84", 20 Gauge Galvanized Steel Duct	326.10	142.74
For Flat Oval, Add	13.23	
For Work In Restricted Working Space, Add	71.37	
23 31 13 13-0827 18 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0828 LF 4" x 4", 18 Gauge Galvanized Steel Duct	20.21	8.85
For Flat Oval, Add	0.82	
For Work In Restricted Working Space, Add	4.42	
23 31 13 13-0829 LF 4" x 6", 18 Gauge Galvanized Steel Duct	25.28	11.06
For Flat Oval, Add	1.03	
For Work In Restricted Working Space, Add	5.53	
23 31 13 13-0830 LF 4" x 8", 18 Gauge Galvanized Steel Duct	30.32	13.27
For Flat Oval, Add	1.23	
For Work In Restricted Working Space, Add	6.64	
23 31 13 13-0831 LF 4" x 10", 18 Gauge Galvanized Steel Duct	35.37	15.49
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	7.74	
23 31 13 13-0832 LF 4" x 12", 18 Gauge Galvanized Steel Duct	40.44	17.70
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	8.85	
23 31 13 13-0833 LF 4" x 14", 18 Gauge Galvanized Steel Duct	45.49	19.91
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	9.95	
23 31 13 13-0834 LF 4" x 16", 18 Gauge Galvanized Steel Duct	50.54	22.12
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.06	
23 31 13 13-0835 LF 6" x 6", 18 Gauge Galvanized Steel Duct	30.32	13.27
For Flat Oval, Add	1.23	
For Work In Restricted Working Space, Add	6.64	
23 31 13 13-0836 LF 6" x 8", 18 Gauge Galvanized Steel Duct	35.37	15.49
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	7.74	
23 31 13 13-0837 LF 6" x 10", 18 Gauge Galvanized Steel Duct	40.44	17.70
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	8.85	
23 31 13 13-0838 LF 6" x 12", 18 Gauge Galvanized Steel Duct	45.49	19.91
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	9.95	
23 31 13 13-0839 LF 6" x 14", 18 Gauge Galvanized Steel Duct	50.54	22.12
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.06	
23 31 13 13-0840 LF 6" x 16", 18 Gauge Galvanized Steel Duct	55.59	24.33
For Flat Oval, Add	2.25	
For Work In Restricted Working Space, Add	12.17	
23 31 13 13-0841 LF 8" x 8", 18 Gauge Galvanized Steel Duct	40.44	17.70
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	8.85	
23 31 13 13-0842 LF 8" x 10", 18 Gauge Galvanized Steel Duct	45.49	19.91
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	9.95	
23 31 13 13-0843 LF 8" x 12", 18 Gauge Galvanized Steel Duct	50.54	22.12
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.06	
23 31 13 13-0844 LF 8" x 14", 18 Gauge Galvanized Steel Duct	55.59	24.33
For Flat Oval, Add	2.25	
For Work In Restricted Working Space, Add	12.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0845	LF	8" x 16", 18 Gauge Galvanized Steel Duct	60.64	26.55
			<i>For Flat Oval, Add</i>	2.46	
			<i>For Work In Restricted Working Space, Add</i>	13.27	
23 31 13	13-0846	LF	8" x 18", 18 Gauge Galvanized Steel Duct	65.71	28.76
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.38	
23 31 13	13-0847	LF	8" x 20", 18 Gauge Galvanized Steel Duct	70.76	30.97
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	15.49	
23 31 13	13-0848	LF	8" x 22", 18 Gauge Galvanized Steel Duct	75.81	33.18
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31 13	13-0849	LF	8" x 24", 18 Gauge Galvanized Steel Duct	80.87	35.40
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
23 31 13	13-0850	LF	10" x 10", 18 Gauge Galvanized Steel Duct	50.54	22.12
			<i>For Flat Oval, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	11.06	
23 31 13	13-0851	LF	10" x 12", 18 Gauge Galvanized Steel Duct	55.59	24.33
			<i>For Flat Oval, Add</i>	2.25	
			<i>For Work In Restricted Working Space, Add</i>	12.17	
23 31 13	13-0852	LF	10" x 14", 18 Gauge Galvanized Steel Duct	60.64	26.55
			<i>For Flat Oval, Add</i>	2.46	
			<i>For Work In Restricted Working Space, Add</i>	13.27	
23 31 13	13-0853	LF	10" x 16", 18 Gauge Galvanized Steel Duct	65.71	28.76
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.38	
23 31 13	13-0854	LF	10" x 18", 18 Gauge Galvanized Steel Duct	70.76	30.97
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	15.49	
23 31 13	13-0855	LF	10" x 20", 18 Gauge Galvanized Steel Duct	75.81	33.18
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31 13	13-0856	LF	10" x 22", 18 Gauge Galvanized Steel Duct	80.87	35.40
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
23 31 13	13-0857	LF	10" x 24", 18 Gauge Galvanized Steel Duct	85.91	37.61
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.80	
23 31 13	13-0858	LF	10" x 26", 18 Gauge Galvanized Steel Duct	90.99	39.82
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	19.91	
23 31 13	13-0859	LF	10" x 28", 18 Gauge Galvanized Steel Duct	96.04	42.04
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.02	
23 31 13	13-0860	LF	10" x 30", 18 Gauge Galvanized Steel Duct	101.08	44.24
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.12	
23 31 13	13-0861	LF	10" x 32", 18 Gauge Galvanized Steel Duct	106.13	46.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	23.23	
23 31 13	13-0862	LF	12" x 12", 18 Gauge Galvanized Steel Duct	60.64	26.55
			<i>For Flat Oval, Add</i>	2.46	
			<i>For Work In Restricted Working Space, Add</i>	13.27	
23 31 13	13-0863	LF	12" x 14", 18 Gauge Galvanized Steel Duct	65.71	28.76
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.38	
23 31 13	13-0864	LF	12" x 16", 18 Gauge Galvanized Steel Duct	70.76	30.97
			<i>For Flat Oval, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	15.49	
23 31 13	13-0865	LF	12" x 18", 18 Gauge Galvanized Steel Duct	75.81	33.18
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31 13	13-0866	LF	12" x 20", 18 Gauge Galvanized Steel Duct	80.87	35.40
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
23 31 13	13-0867	LF	12" x 22", 18 Gauge Galvanized Steel Duct	85.91	37.61
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	18.80	
23 31 13	13-0868	LF	12" x 24", 18 Gauge Galvanized Steel Duct	90.99	39.82
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	19.91	
23 31 13	13-0869	LF	12" x 26", 18 Gauge Galvanized Steel Duct	96.04	42.04
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.02	
23 31 13	13-0870	LF	12" x 28", 18 Gauge Galvanized Steel Duct	101.08	44.24
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.12	
23 31 13	13-0871	LF	12" x 30", 18 Gauge Galvanized Steel Duct	106.13	46.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	23.23	
23 31 13	13-0872	LF	12" x 32", 18 Gauge Galvanized Steel Duct	111.19	48.67
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	24.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0873 LF 12" x 34", 18 Gauge Galvanized Steel Duct	116.25	50.88
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	25.44	
23 31 13 13-0874 LF 12" x 36", 18 Gauge Galvanized Steel Duct	121.30	53.10
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0875 LF 14" x 14", 18 Gauge Galvanized Steel Duct	70.76	30.97
For Flat Oval, Add	2.87	
For Work In Restricted Working Space, Add	15.49	
23 31 13 13-0876 LF 14" x 16", 18 Gauge Galvanized Steel Duct	75.81	33.18
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	16.59	
23 31 13 13-0877 LF 14" x 18", 18 Gauge Galvanized Steel Duct	80.87	35.40
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0878 LF 14" x 20", 18 Gauge Galvanized Steel Duct	85.91	37.61
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	18.80	
23 31 13 13-0879 LF 14" x 22", 18 Gauge Galvanized Steel Duct	90.99	39.82
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	19.91	
23 31 13 13-0880 LF 14" x 24", 18 Gauge Galvanized Steel Duct	96.04	42.04
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	21.02	
23 31 13 13-0881 LF 14" x 26", 18 Gauge Galvanized Steel Duct	101.08	44.24
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.12	
23 31 13 13-0882 LF 14" x 28", 18 Gauge Galvanized Steel Duct	106.13	46.46
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0883 LF 14" x 30", 18 Gauge Galvanized Steel Duct	111.19	48.67
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	24.34	
23 31 13 13-0884 LF 14" x 32", 18 Gauge Galvanized Steel Duct	116.25	50.88
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	25.44	
23 31 13 13-0885 LF 14" x 34", 18 Gauge Galvanized Steel Duct	121.30	53.10
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0886 LF 14" x 36", 18 Gauge Galvanized Steel Duct	126.36	55.30
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	27.65	
23 31 13 13-0887 LF 16" x 16", 18 Gauge Galvanized Steel Duct	80.87	35.40
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	17.70	
23 31 13 13-0888 LF 16" x 18", 18 Gauge Galvanized Steel Duct	85.91	37.61
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	18.80	
23 31 13 13-0889 LF 16" x 20", 18 Gauge Galvanized Steel Duct	90.99	39.82
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	19.91	
23 31 13 13-0890 LF 16" x 22", 18 Gauge Galvanized Steel Duct	96.04	42.04
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	21.02	
23 31 13 13-0891 LF 16" x 24", 18 Gauge Galvanized Steel Duct	101.08	44.24
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.12	
23 31 13 13-0892 LF 16" x 26", 18 Gauge Galvanized Steel Duct	106.13	46.46
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	23.23	
23 31 13 13-0893 LF 16" x 28", 18 Gauge Galvanized Steel Duct	111.19	48.67
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	24.34	
23 31 13 13-0894 LF 16" x 30", 18 Gauge Galvanized Steel Duct	116.25	50.88
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	25.44	
23 31 13 13-0895 LF 16" x 32", 18 Gauge Galvanized Steel Duct	121.30	53.10
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0896 LF 16" x 34", 18 Gauge Galvanized Steel Duct	126.36	55.30
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	27.65	
23 31 13 13-0897 LF 16" x 36", 18 Gauge Galvanized Steel Duct	131.41	57.52
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	28.76	
23 31 13 13-0898 LF 16" x 38", 18 Gauge Galvanized Steel Duct	136.45	59.73
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	29.87	
23 31 13 13-0899 LF 16" x 40", 18 Gauge Galvanized Steel Duct	141.53	61.94
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	30.97	
23 31 13 13-0900 LF 16" x 42", 18 Gauge Galvanized Steel Duct	146.58	64.16
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	32.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0901	LF	16" x 44", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31	13 13-0902	LF	18" x 18", 18 Gauge Galvanized Steel Duct	90.99	39.82
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	19.91	
23 31	13 13-0903	LF	18" x 20", 18 Gauge Galvanized Steel Duct	96.04	42.04
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.02	
23 31	13 13-0904	LF	18" x 22", 18 Gauge Galvanized Steel Duct	101.08	44.24
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.12	
23 31	13 13-0905	LF	18" x 24", 18 Gauge Galvanized Steel Duct	106.13	46.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	23.23	
23 31	13 13-0906	LF	18" x 26", 18 Gauge Galvanized Steel Duct	111.19	48.67
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	24.34	
23 31	13 13-0907	LF	18" x 28", 18 Gauge Galvanized Steel Duct	116.25	50.88
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	25.44	
23 31	13 13-0908	LF	18" x 30", 18 Gauge Galvanized Steel Duct	121.30	53.10
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31	13 13-0909	LF	18" x 32", 18 Gauge Galvanized Steel Duct	126.36	55.30
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	27.65	
23 31	13 13-0910	LF	18" x 34", 18 Gauge Galvanized Steel Duct	131.41	57.52
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	28.76	
23 31	13 13-0911	LF	18" x 36", 18 Gauge Galvanized Steel Duct	136.45	59.73
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	29.87	
23 31	13 13-0912	LF	18" x 38", 18 Gauge Galvanized Steel Duct	141.53	61.94
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	30.97	
23 31	13 13-0913	LF	18" x 40", 18 Gauge Galvanized Steel Duct	146.58	64.16
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
23 31	13 13-0914	LF	18" x 42", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31	13 13-0915	LF	18" x 44", 18 Gauge Galvanized Steel Duct	156.67	68.58
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	34.29	
23 31	13 13-0916	LF	18" x 46", 18 Gauge Galvanized Steel Duct	161.75	70.79
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 31	13 13-0917	LF	20" x 20", 18 Gauge Galvanized Steel Duct	101.08	44.24
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.12	
23 31	13 13-0918	LF	20" x 22", 18 Gauge Galvanized Steel Duct	106.13	46.46
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	23.23	
23 31	13 13-0919	LF	20" x 24", 18 Gauge Galvanized Steel Duct	111.19	48.67
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	24.34	
23 31	13 13-0920	LF	20" x 26", 18 Gauge Galvanized Steel Duct	116.25	50.88
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	25.44	
23 31	13 13-0921	LF	20" x 28", 18 Gauge Galvanized Steel Duct	121.30	53.10
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31	13 13-0922	LF	20" x 30", 18 Gauge Galvanized Steel Duct	126.36	55.30
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	27.65	
23 31	13 13-0923	LF	20" x 32", 18 Gauge Galvanized Steel Duct	131.41	57.52
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	28.76	
23 31	13 13-0924	LF	20" x 34", 18 Gauge Galvanized Steel Duct	136.45	59.73
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	29.87	
23 31	13 13-0925	LF	20" x 36", 18 Gauge Galvanized Steel Duct	141.53	61.94
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	30.97	
23 31	13 13-0926	LF	20" x 38", 18 Gauge Galvanized Steel Duct	146.58	64.16
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
23 31	13 13-0927	LF	20" x 40", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31	13 13-0928	LF	20" x 42", 18 Gauge Galvanized Steel Duct	156.67	68.58
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	34.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0929 LF 20" x 44", 18 Gauge Galvanized Steel Duct	161.75	70.79
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	35.40	
23 31 13 13-0930 LF 20" x 46", 18 Gauge Galvanized Steel Duct	166.79	73.00
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.50	
23 31 13 13-0931 LF 20" x 48", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	
23 31 13 13-0932 LF 22" x 22", 18 Gauge Galvanized Steel Duct	111.19	48.67
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	24.34	
23 31 13 13-0933 LF 22" x 24", 18 Gauge Galvanized Steel Duct	116.25	50.88
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	25.44	
23 31 13 13-0934 LF 22" x 26", 18 Gauge Galvanized Steel Duct	121.30	53.10
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0935 LF 22" x 28", 18 Gauge Galvanized Steel Duct	126.36	55.30
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	27.65	
23 31 13 13-0936 LF 22" x 30", 18 Gauge Galvanized Steel Duct	131.41	57.52
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	28.76	
23 31 13 13-0937 LF 22" x 32", 18 Gauge Galvanized Steel Duct	136.45	59.73
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	29.87	
23 31 13 13-0938 LF 22" x 34", 18 Gauge Galvanized Steel Duct	141.53	61.94
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	30.97	
23 31 13 13-0939 LF 22" x 36", 18 Gauge Galvanized Steel Duct	146.58	64.16
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	32.08	
23 31 13 13-0940 LF 22" x 38", 18 Gauge Galvanized Steel Duct	151.62	66.37
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	33.18	
23 31 13 13-0941 LF 22" x 40", 18 Gauge Galvanized Steel Duct	156.67	68.58
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	34.29	
23 31 13 13-0942 LF 22" x 42", 18 Gauge Galvanized Steel Duct	161.75	70.79
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	35.40	
23 31 13 13-0943 LF 22" x 44", 18 Gauge Galvanized Steel Duct	166.79	73.00
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.50	
23 31 13 13-0944 LF 22" x 46", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	
23 31 13 13-0945 LF 22" x 48", 18 Gauge Galvanized Steel Duct	176.90	77.43
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	38.72	
23 31 13 13-0946 LF 24" x 24", 18 Gauge Galvanized Steel Duct	121.30	53.10
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	26.55	
23 31 13 13-0947 LF 24" x 26", 18 Gauge Galvanized Steel Duct	126.36	55.30
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	27.65	
23 31 13 13-0948 LF 24" x 28", 18 Gauge Galvanized Steel Duct	131.41	57.52
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	28.76	
23 31 13 13-0949 LF 24" x 30", 18 Gauge Galvanized Steel Duct	136.45	59.73
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	29.87	
23 31 13 13-0950 LF 24" x 32", 18 Gauge Galvanized Steel Duct	141.53	61.94
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	30.97	
23 31 13 13-0951 LF 24" x 34", 18 Gauge Galvanized Steel Duct	146.58	64.16
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	32.08	
23 31 13 13-0952 LF 24" x 36", 18 Gauge Galvanized Steel Duct	151.62	66.37
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	33.18	
23 31 13 13-0953 LF 24" x 38", 18 Gauge Galvanized Steel Duct	156.67	68.58
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	34.29	
23 31 13 13-0954 LF 24" x 40", 18 Gauge Galvanized Steel Duct	161.75	70.79
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	35.40	
23 31 13 13-0955 LF 24" x 42", 18 Gauge Galvanized Steel Duct	166.79	73.00
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.50	
23 31 13 13-0956 LF 24" x 44", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0957	LF	24" x 46", 18 Gauge Galvanized Steel Duct	176.90	77.43
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	38.72	
23 31 13	13-0958	LF	24" x 48", 18 Gauge Galvanized Steel Duct	181.94	79.65
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13	13-0959	LF	26" x 26", 18 Gauge Galvanized Steel Duct	131.41	57.52
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	28.76	
23 31 13	13-0960	LF	26" x 28", 18 Gauge Galvanized Steel Duct	136.45	59.73
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	29.87	
23 31 13	13-0961	LF	26" x 30", 18 Gauge Galvanized Steel Duct	141.53	61.94
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	30.97	
23 31 13	13-0962	LF	26" x 32", 18 Gauge Galvanized Steel Duct	146.58	64.16
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
23 31 13	13-0963	LF	26" x 34", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31 13	13-0964	LF	26" x 36", 18 Gauge Galvanized Steel Duct	156.67	68.58
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	34.29	
23 31 13	13-0965	LF	26" x 38", 18 Gauge Galvanized Steel Duct	161.75	70.79
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 31 13	13-0966	LF	26" x 40", 18 Gauge Galvanized Steel Duct	166.79	73.00
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	36.50	
23 31 13	13-0967	LF	26" x 42", 18 Gauge Galvanized Steel Duct	171.84	75.22
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	37.61	
23 31 13	13-0968	LF	26" x 44", 18 Gauge Galvanized Steel Duct	176.90	77.43
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	38.72	
23 31 13	13-0969	LF	26" x 46", 18 Gauge Galvanized Steel Duct	181.94	79.65
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13	13-0970	LF	26" x 48", 18 Gauge Galvanized Steel Duct	187.02	81.85
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	40.93	
23 31 13	13-0971	LF	28" x 28", 18 Gauge Galvanized Steel Duct	141.53	61.94
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	30.97	
23 31 13	13-0972	LF	28" x 30", 18 Gauge Galvanized Steel Duct	146.58	64.16
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	32.08	
23 31 13	13-0973	LF	28" x 32", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31 13	13-0974	LF	28" x 34", 18 Gauge Galvanized Steel Duct	156.67	68.58
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	34.29	
23 31 13	13-0975	LF	28" x 36", 18 Gauge Galvanized Steel Duct	161.75	70.79
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 31 13	13-0976	LF	28" x 38", 18 Gauge Galvanized Steel Duct	166.79	73.00
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	36.50	
23 31 13	13-0977	LF	28" x 40", 18 Gauge Galvanized Steel Duct	171.84	75.22
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	37.61	
23 31 13	13-0978	LF	28" x 42", 18 Gauge Galvanized Steel Duct	176.90	77.43
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	38.72	
23 31 13	13-0979	LF	28" x 44", 18 Gauge Galvanized Steel Duct	181.94	79.65
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	39.82	
23 31 13	13-0980	LF	28" x 46", 18 Gauge Galvanized Steel Duct	187.02	81.85
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	40.93	
23 31 13	13-0981	LF	28" x 48", 18 Gauge Galvanized Steel Duct	192.07	84.06
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	42.03	
23 31 13	13-0982	LF	30" x 30", 18 Gauge Galvanized Steel Duct	151.62	66.37
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	33.18	
23 31 13	13-0983	LF	30" x 32", 18 Gauge Galvanized Steel Duct	156.67	68.58
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	34.29	
23 31 13	13-0984	LF	30" x 34", 18 Gauge Galvanized Steel Duct	161.75	70.79
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	35.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0985 LF 30" x 36", 18 Gauge Galvanized Steel Duct	166.79	73.00
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.50	
23 31 13 13-0986 LF 30" x 38", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	
23 31 13 13-0987 LF 30" x 40", 18 Gauge Galvanized Steel Duct	176.90	77.43
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	38.72	
23 31 13 13-0988 LF 30" x 42", 18 Gauge Galvanized Steel Duct	181.94	79.65
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	39.82	
23 31 13 13-0989 LF 30" x 44", 18 Gauge Galvanized Steel Duct	187.02	81.85
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	40.93	
23 31 13 13-0990 LF 30" x 46", 18 Gauge Galvanized Steel Duct	192.07	84.06
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	42.03	
23 31 13 13-0991 LF 30" x 48", 18 Gauge Galvanized Steel Duct	197.11	86.28
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	43.14	
23 31 13 13-0992 LF 32" x 32", 18 Gauge Galvanized Steel Duct	161.75	70.79
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	35.40	
23 31 13 13-0993 LF 32" x 34", 18 Gauge Galvanized Steel Duct	166.79	73.00
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	36.50	
23 31 13 13-0994 LF 32" x 36", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	
23 31 13 13-0995 LF 32" x 38", 18 Gauge Galvanized Steel Duct	176.90	77.43
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	38.72	
23 31 13 13-0996 LF 32" x 40", 18 Gauge Galvanized Steel Duct	181.94	79.65
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	39.82	
23 31 13 13-0997 LF 32" x 42", 18 Gauge Galvanized Steel Duct	187.02	81.85
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	40.93	
23 31 13 13-0998 LF 32" x 44", 18 Gauge Galvanized Steel Duct	192.07	84.06
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	42.03	
23 31 13 13-0999 LF 32" x 46", 18 Gauge Galvanized Steel Duct	197.11	86.28
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	43.14	
23 31 13 13-1000 LF 32" x 48", 18 Gauge Galvanized Steel Duct	202.17	88.49
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	44.25	
23 31 13 13-1001 LF 34" x 34", 18 Gauge Galvanized Steel Duct	171.84	75.22
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	37.61	
23 31 13 13-1002 LF 34" x 36", 18 Gauge Galvanized Steel Duct	176.90	77.43
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	38.72	
23 31 13 13-1003 LF 34" x 38", 18 Gauge Galvanized Steel Duct	181.94	79.65
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	39.82	
23 31 13 13-1004 LF 34" x 40", 18 Gauge Galvanized Steel Duct	187.02	81.85
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	40.93	
23 31 13 13-1005 LF 34" x 42", 18 Gauge Galvanized Steel Duct	192.07	84.06
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	42.03	
23 31 13 13-1006 LF 34" x 44", 18 Gauge Galvanized Steel Duct	197.11	86.28
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	43.14	
23 31 13 13-1007 LF 34" x 46", 18 Gauge Galvanized Steel Duct	202.17	88.49
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	44.25	
23 31 13 13-1008 LF 34" x 48", 18 Gauge Galvanized Steel Duct	207.21	90.71
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	45.35	
23 31 13 13-1009 LF 36" x 36", 18 Gauge Galvanized Steel Duct	181.94	79.65
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	39.82	
23 31 13 13-1010 LF 36" x 38", 18 Gauge Galvanized Steel Duct	187.02	81.85
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	40.93	
23 31 13 13-1011 LF 36" x 40", 18 Gauge Galvanized Steel Duct	192.07	84.06
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	42.03	
23 31 13 13-1012 LF 36" x 42", 18 Gauge Galvanized Steel Duct	197.11	86.28
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	43.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1013	LF	36" x 44", 18 Gauge Galvanized Steel Duct	202.17	88.49
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	44.25	
23 31	13 13-1014	LF	36" x 46", 18 Gauge Galvanized Steel Duct	207.21	90.71
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	45.35	
23 31	13 13-1015	LF	36" x 48", 18 Gauge Galvanized Steel Duct	212.29	92.91
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	46.46	
23 31	13 13-1016	LF	38" x 38", 18 Gauge Galvanized Steel Duct	192.07	84.06
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	42.03	
23 31	13 13-1017	LF	38" x 40", 18 Gauge Galvanized Steel Duct	197.11	86.28
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	43.14	
23 31	13 13-1018	LF	38" x 42", 18 Gauge Galvanized Steel Duct	202.17	88.49
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	44.25	
23 31	13 13-1019	LF	38" x 44", 18 Gauge Galvanized Steel Duct	207.21	90.71
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	45.35	
23 31	13 13-1020	LF	38" x 46", 18 Gauge Galvanized Steel Duct	212.29	92.91
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	46.46	
23 31	13 13-1021	LF	38" x 48", 18 Gauge Galvanized Steel Duct	217.34	95.13
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.57	
23 31	13 13-1022	LF	38" x 50", 18 Gauge Galvanized Steel Duct	222.38	97.34
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	48.67	
23 31	13 13-1023	LF	40" x 40", 18 Gauge Galvanized Steel Duct	202.17	88.49
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	44.25	
23 31	13 13-1024	LF	40" x 42", 18 Gauge Galvanized Steel Duct	207.21	90.71
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	45.35	
23 31	13 13-1025	LF	40" x 44", 18 Gauge Galvanized Steel Duct	212.29	92.91
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	46.46	
23 31	13 13-1026	LF	40" x 46", 18 Gauge Galvanized Steel Duct	217.34	95.13
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.57	
23 31	13 13-1027	LF	40" x 48", 18 Gauge Galvanized Steel Duct	222.38	97.34
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	48.67	
23 31	13 13-1028	LF	40" x 50", 18 Gauge Galvanized Steel Duct	227.44	99.55
			<i>For Flat Oval, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	49.78	
23 31	13 13-1029	LF	40" x 52", 18 Gauge Galvanized Steel Duct	232.49	101.77
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	50.88	
23 31	13 13-1030	LF	40" x 54", 18 Gauge Galvanized Steel Duct	237.55	103.98
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	51.99	
23 31	13 13-1031	LF	40" x 56", 18 Gauge Galvanized Steel Duct	242.62	106.19
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	53.10	
23 31	13 13-1032	LF	42" x 42", 18 Gauge Galvanized Steel Duct	212.29	92.91
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	46.46	
23 31	13 13-1033	LF	42" x 44", 18 Gauge Galvanized Steel Duct	217.34	95.13
			<i>For Flat Oval, Add</i>	8.82	
			<i>For Work In Restricted Working Space, Add</i>	47.57	
23 31	13 13-1034	LF	42" x 46", 18 Gauge Galvanized Steel Duct	222.38	97.34
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	48.67	
23 31	13 13-1035	LF	42" x 48", 18 Gauge Galvanized Steel Duct	227.44	99.55
			<i>For Flat Oval, Add</i>	9.23	
			<i>For Work In Restricted Working Space, Add</i>	49.78	
23 31	13 13-1036	LF	42" x 50", 18 Gauge Galvanized Steel Duct	232.49	101.77
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	50.88	
23 31	13 13-1037	LF	42" x 52", 18 Gauge Galvanized Steel Duct	237.55	103.98
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	51.99	
23 31	13 13-1038	LF	42" x 54", 18 Gauge Galvanized Steel Duct	242.62	106.19
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	53.10	
23 31	13 13-1039	LF	42" x 56", 18 Gauge Galvanized Steel Duct	247.66	108.40
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	54.20	
23 31	13 13-1040	LF	44" x 44", 18 Gauge Galvanized Steel Duct	222.38	97.34
			<i>For Flat Oval, Add</i>	9.02	
			<i>For Work In Restricted Working Space, Add</i>	48.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1041 LF 44" x 46", 18 Gauge Galvanized Steel Duct	227.44	99.55
<i>For Flat Oval, Add</i>	9.23	
<i>For Work In Restricted Working Space, Add</i>	49.78	
23 31 13 13-1042 LF 44" x 48", 18 Gauge Galvanized Steel Duct	232.49	101.77
<i>For Flat Oval, Add</i>	9.43	
<i>For Work In Restricted Working Space, Add</i>	50.88	
23 31 13 13-1043 LF 44" x 50", 18 Gauge Galvanized Steel Duct	237.55	103.98
<i>For Flat Oval, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	51.99	
23 31 13 13-1044 LF 44" x 52", 18 Gauge Galvanized Steel Duct	242.62	106.19
<i>For Flat Oval, Add</i>	9.84	
<i>For Work In Restricted Working Space, Add</i>	53.10	
23 31 13 13-1045 LF 44" x 54", 18 Gauge Galvanized Steel Duct	247.66	108.40
<i>For Flat Oval, Add</i>	10.05	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 31 13 13-1046 LF 44" x 56", 18 Gauge Galvanized Steel Duct	252.70	110.61
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-1047 LF 46" x 46", 18 Gauge Galvanized Steel Duct	232.49	101.77
<i>For Flat Oval, Add</i>	9.43	
<i>For Work In Restricted Working Space, Add</i>	50.88	
23 31 13 13-1048 LF 46" x 48", 18 Gauge Galvanized Steel Duct	237.55	103.98
<i>For Flat Oval, Add</i>	9.64	
<i>For Work In Restricted Working Space, Add</i>	51.99	
23 31 13 13-1049 LF 46" x 50", 18 Gauge Galvanized Steel Duct	242.62	106.19
<i>For Flat Oval, Add</i>	9.84	
<i>For Work In Restricted Working Space, Add</i>	53.10	
23 31 13 13-1050 LF 46" x 52", 18 Gauge Galvanized Steel Duct	247.66	108.40
<i>For Flat Oval, Add</i>	10.05	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 31 13 13-1051 LF 46" x 54", 18 Gauge Galvanized Steel Duct	252.70	110.61
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-1052 LF 46" x 56", 18 Gauge Galvanized Steel Duct	257.77	112.83
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	56.42	
23 31 13 13-1053 LF 46" x 58", 18 Gauge Galvanized Steel Duct	262.83	115.04
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	57.52	
23 31 13 13-1054 LF 48" x 48", 18 Gauge Galvanized Steel Duct	242.62	106.19
<i>For Flat Oval, Add</i>	9.84	
<i>For Work In Restricted Working Space, Add</i>	53.10	
23 31 13 13-1055 LF 48" x 50", 18 Gauge Galvanized Steel Duct	247.66	108.40
<i>For Flat Oval, Add</i>	10.05	
<i>For Work In Restricted Working Space, Add</i>	54.20	
23 31 13 13-1056 LF 48" x 52", 18 Gauge Galvanized Steel Duct	252.70	110.61
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-1057 LF 48" x 54", 18 Gauge Galvanized Steel Duct	257.77	112.83
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	56.42	
23 31 13 13-1058 LF 48" x 56", 18 Gauge Galvanized Steel Duct	262.83	115.04
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	57.52	
23 31 13 13-1059 LF 48" x 58", 18 Gauge Galvanized Steel Duct	267.87	117.25
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	58.62	
23 31 13 13-1060 LF 48" x 60", 18 Gauge Galvanized Steel Duct	272.93	119.46
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	59.73	
23 31 13 13-1061 LF 50" x 50", 18 Gauge Galvanized Steel Duct	252.70	110.61
<i>For Flat Oval, Add</i>	10.25	
<i>For Work In Restricted Working Space, Add</i>	55.31	
23 31 13 13-1062 LF 50" x 52", 18 Gauge Galvanized Steel Duct	257.77	112.83
<i>For Flat Oval, Add</i>	10.46	
<i>For Work In Restricted Working Space, Add</i>	56.42	
23 31 13 13-1063 LF 50" x 54", 18 Gauge Galvanized Steel Duct	262.83	115.04
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	57.52	
23 31 13 13-1064 LF 50" x 56", 18 Gauge Galvanized Steel Duct	267.87	117.25
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	58.62	
23 31 13 13-1065 LF 50" x 58", 18 Gauge Galvanized Steel Duct	272.93	119.46
<i>For Flat Oval, Add</i>	11.07	
<i>For Work In Restricted Working Space, Add</i>	59.73	
23 31 13 13-1066 LF 50" x 60", 18 Gauge Galvanized Steel Duct	277.98	121.67
<i>For Flat Oval, Add</i>	11.28	
<i>For Work In Restricted Working Space, Add</i>	60.84	
23 31 13 13-1067 LF 52" x 52", 18 Gauge Galvanized Steel Duct	262.83	115.04
<i>For Flat Oval, Add</i>	10.67	
<i>For Work In Restricted Working Space, Add</i>	57.52	
23 31 13 13-1068 LF 52" x 54", 18 Gauge Galvanized Steel Duct	267.87	117.25
<i>For Flat Oval, Add</i>	10.87	
<i>For Work In Restricted Working Space, Add</i>	58.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1069	LF	52" x 56", 18 Gauge Galvanized Steel Duct	272.93	119.46
			<i>For Flat Oval, Add</i>	11.07	
			<i>For Work In Restricted Working Space, Add</i>	59.73	
23 31	13 13-1070	LF	52" x 58", 18 Gauge Galvanized Steel Duct	277.98	121.67
			<i>For Flat Oval, Add</i>	11.28	
			<i>For Work In Restricted Working Space, Add</i>	60.84	
23 31	13 13-1071	LF	52" x 60", 18 Gauge Galvanized Steel Duct	283.03	123.89
			<i>For Flat Oval, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	61.94	
23 31	13 13-1072	LF	54" x 54", 18 Gauge Galvanized Steel Duct	272.93	119.46
			<i>For Flat Oval, Add</i>	11.07	
			<i>For Work In Restricted Working Space, Add</i>	59.73	
23 31	13 13-1073	LF	54" x 56", 18 Gauge Galvanized Steel Duct	277.98	121.67
			<i>For Flat Oval, Add</i>	11.28	
			<i>For Work In Restricted Working Space, Add</i>	60.84	
23 31	13 13-1074	LF	54" x 58", 18 Gauge Galvanized Steel Duct	283.03	123.89
			<i>For Flat Oval, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	61.94	
23 31	13 13-1075	LF	54" x 60", 18 Gauge Galvanized Steel Duct	288.10	126.10
			<i>For Flat Oval, Add</i>	11.69	
			<i>For Work In Restricted Working Space, Add</i>	63.05	
23 31	13 13-1076	LF	54" x 62", 18 Gauge Galvanized Steel Duct	293.15	128.32
			<i>For Flat Oval, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	64.16	
23 31	13 13-1077	LF	54" x 64", 18 Gauge Galvanized Steel Duct	298.20	130.52
			<i>For Flat Oval, Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	65.26	
23 31	13 13-1078	LF	56" x 56", 18 Gauge Galvanized Steel Duct	283.03	123.89
			<i>For Flat Oval, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	61.94	
23 31	13 13-1079	LF	56" x 58", 18 Gauge Galvanized Steel Duct	288.10	126.10
			<i>For Flat Oval, Add</i>	11.69	
			<i>For Work In Restricted Working Space, Add</i>	63.05	
23 31	13 13-1080	LF	56" x 60", 18 Gauge Galvanized Steel Duct	293.15	128.32
			<i>For Flat Oval, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	64.16	
23 31	13 13-1081	LF	56" x 62", 18 Gauge Galvanized Steel Duct	298.20	130.52
			<i>For Flat Oval, Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	65.26	
23 31	13 13-1082	LF	56" x 64", 18 Gauge Galvanized Steel Duct	303.25	132.73
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	66.37	
23 31	13 13-1083	LF	58" x 58", 18 Gauge Galvanized Steel Duct	293.15	128.32
			<i>For Flat Oval, Add</i>	11.90	
			<i>For Work In Restricted Working Space, Add</i>	64.16	
23 31	13 13-1084	LF	58" x 60", 18 Gauge Galvanized Steel Duct	298.20	130.52
			<i>For Flat Oval, Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	65.26	
23 31	13 13-1085	LF	58" x 62", 18 Gauge Galvanized Steel Duct	303.25	132.73
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	66.37	
23 31	13 13-1086	LF	58" x 64", 18 Gauge Galvanized Steel Duct	308.30	134.95
			<i>For Flat Oval, Add</i>	12.51	
			<i>For Work In Restricted Working Space, Add</i>	67.47	
23 31	13 13-1087	LF	58" x 66", 18 Gauge Galvanized Steel Duct	313.37	137.16
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	68.58	
23 31	13 13-1088	LF	60" x 60", 18 Gauge Galvanized Steel Duct	303.25	132.73
			<i>For Flat Oval, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	66.37	
23 31	13 13-1089	LF	60" x 62", 18 Gauge Galvanized Steel Duct	308.30	134.95
			<i>For Flat Oval, Add</i>	12.51	
			<i>For Work In Restricted Working Space, Add</i>	67.47	
23 31	13 13-1090	LF	60" x 64", 18 Gauge Galvanized Steel Duct	313.37	137.16
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	68.58	
23 31	13 13-1091	LF	60" x 66", 18 Gauge Galvanized Steel Duct	318.42	139.38
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	69.69	
23 31	13 13-1092	LF	60" x 68", 18 Gauge Galvanized Steel Duct	323.47	141.58
			<i>For Flat Oval, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	70.79	
23 31	13 13-1093	LF	62" x 62", 18 Gauge Galvanized Steel Duct	313.37	137.16
			<i>For Flat Oval, Add</i>	12.72	
			<i>For Work In Restricted Working Space, Add</i>	68.58	
23 31	13 13-1094	LF	62" x 64", 18 Gauge Galvanized Steel Duct	318.42	139.38
			<i>For Flat Oval, Add</i>	12.92	
			<i>For Work In Restricted Working Space, Add</i>	69.69	
23 31	13 13-1095	LF	62" x 66", 18 Gauge Galvanized Steel Duct	323.47	141.58
			<i>For Flat Oval, Add</i>	13.13	
			<i>For Work In Restricted Working Space, Add</i>	70.79	
23 31	13 13-1096	LF	62" x 68", 18 Gauge Galvanized Steel Duct	328.52	143.79
			<i>For Flat Oval, Add</i>	13.33	
			<i>For Work In Restricted Working Space, Add</i>	71.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1097 LF 62" x 70", 18 Gauge Galvanized Steel Duct	333.57	146.01
For Flat Oval, Add	13.53	
For Work In Restricted Working Space, Add	73.01	
23 31 13 13-1098 LF 64" x 64", 18 Gauge Galvanized Steel Duct	323.47	141.58
For Flat Oval, Add	13.13	
For Work In Restricted Working Space, Add	70.79	
23 31 13 13-1099 LF 64" x 66", 18 Gauge Galvanized Steel Duct	328.52	143.79
For Flat Oval, Add	13.33	
For Work In Restricted Working Space, Add	71.90	
23 31 13 13-1100 LF 64" x 68", 18 Gauge Galvanized Steel Duct	333.57	146.01
For Flat Oval, Add	13.53	
For Work In Restricted Working Space, Add	73.01	
23 31 13 13-1101 LF 64" x 70", 18 Gauge Galvanized Steel Duct	338.64	148.22
For Flat Oval, Add	13.74	
For Work In Restricted Working Space, Add	74.11	
23 31 13 13-1102 LF 66" x 66", 18 Gauge Galvanized Steel Duct	333.57	146.01
For Flat Oval, Add	13.53	
For Work In Restricted Working Space, Add	73.01	
23 31 13 13-1103 LF 66" x 68", 18 Gauge Galvanized Steel Duct	338.64	148.22
For Flat Oval, Add	13.74	
For Work In Restricted Working Space, Add	74.11	
23 31 13 13-1104 LF 66" x 70", 18 Gauge Galvanized Steel Duct	343.69	150.44
For Flat Oval, Add	13.95	
For Work In Restricted Working Space, Add	75.22	
23 31 13 13-1105 LF 66" x 72", 18 Gauge Galvanized Steel Duct	348.74	152.65
For Flat Oval, Add	14.15	
For Work In Restricted Working Space, Add	76.32	
23 31 13 13-1106 LF 68" x 68", 18 Gauge Galvanized Steel Duct	343.69	150.44
For Flat Oval, Add	13.95	
For Work In Restricted Working Space, Add	75.22	
23 31 13 13-1107 LF 68" x 70", 18 Gauge Galvanized Steel Duct	348.74	152.65
For Flat Oval, Add	14.15	
For Work In Restricted Working Space, Add	76.32	
23 31 13 13-1108 LF 68" x 72", 18 Gauge Galvanized Steel Duct	353.79	154.86
For Flat Oval, Add	14.35	
For Work In Restricted Working Space, Add	77.43	
23 31 13 13-1109 LF 68" x 74", 18 Gauge Galvanized Steel Duct	358.85	157.07
For Flat Oval, Add	14.56	
For Work In Restricted Working Space, Add	78.54	
23 31 13 13-1110 LF 70" x 70", 18 Gauge Galvanized Steel Duct	353.79	154.86
For Flat Oval, Add	14.35	
For Work In Restricted Working Space, Add	77.43	
23 31 13 13-1111 LF 70" x 72", 18 Gauge Galvanized Steel Duct	358.85	157.07
For Flat Oval, Add	14.56	
For Work In Restricted Working Space, Add	78.54	
23 31 13 13-1112 LF 70" x 74", 18 Gauge Galvanized Steel Duct	363.91	159.28
For Flat Oval, Add	14.77	
For Work In Restricted Working Space, Add	79.64	
23 31 13 13-1113 LF 70" x 76", 18 Gauge Galvanized Steel Duct	368.96	161.50
For Flat Oval, Add	14.97	
For Work In Restricted Working Space, Add	80.75	
23 31 13 13-1114 LF 70" x 78", 18 Gauge Galvanized Steel Duct	374.02	163.71
For Flat Oval, Add	15.18	
For Work In Restricted Working Space, Add	81.86	
23 31 13 13-1115 LF 70" x 80", 18 Gauge Galvanized Steel Duct	379.06	165.92
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	82.96	
23 31 13 13-1116 LF 70" x 82", 18 Gauge Galvanized Steel Duct	384.11	168.13
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	84.07	
23 31 13 13-1117 LF 70" x 84", 18 Gauge Galvanized Steel Duct	389.19	170.34
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	85.17	
23 31 13 13-1118 LF 70" x 86", 18 Gauge Galvanized Steel Duct	394.24	172.56
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	86.28	
23 31 13 13-1119 LF 72" x 72", 18 Gauge Galvanized Steel Duct	363.91	159.28
For Flat Oval, Add	14.77	
For Work In Restricted Working Space, Add	79.64	
23 31 13 13-1120 LF 72" x 74", 18 Gauge Galvanized Steel Duct	368.96	161.50
For Flat Oval, Add	14.97	
For Work In Restricted Working Space, Add	80.75	
23 31 13 13-1121 LF 72" x 76", 18 Gauge Galvanized Steel Duct	374.02	163.71
For Flat Oval, Add	15.18	
For Work In Restricted Working Space, Add	81.86	
23 31 13 13-1122 LF 72" x 78", 18 Gauge Galvanized Steel Duct	379.06	165.92
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	82.96	
23 31 13 13-1123 LF 72" x 80", 18 Gauge Galvanized Steel Duct	384.11	168.13
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	84.07	
23 31 13 13-1124 LF 72" x 82", 18 Gauge Galvanized Steel Duct	389.19	170.34
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	85.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1125	LF	72" x 84", 18 Gauge Galvanized Steel Duct	394.24	172.56
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	86.28	
23 31	13 13-1126	LF	72" x 86", 18 Gauge Galvanized Steel Duct	399.28	174.77
			<i>For Flat Oval, Add</i>	16.20	
			<i>For Work In Restricted Working Space, Add</i>	87.38	
23 31	13 13-1127	LF	74" x 74", 18 Gauge Galvanized Steel Duct	374.02	163.71
			<i>For Flat Oval, Add</i>	15.18	
			<i>For Work In Restricted Working Space, Add</i>	81.86	
23 31	13 13-1128	LF	74" x 76", 18 Gauge Galvanized Steel Duct	379.06	165.92
			<i>For Flat Oval, Add</i>	15.38	
			<i>For Work In Restricted Working Space, Add</i>	82.96	
23 31	13 13-1129	LF	74" x 78", 18 Gauge Galvanized Steel Duct	384.11	168.13
			<i>For Flat Oval, Add</i>	15.58	
			<i>For Work In Restricted Working Space, Add</i>	84.07	
23 31	13 13-1130	LF	74" x 80", 18 Gauge Galvanized Steel Duct	389.19	170.34
			<i>For Flat Oval, Add</i>	15.79	
			<i>For Work In Restricted Working Space, Add</i>	85.17	
23 31	13 13-1131	LF	74" x 82", 18 Gauge Galvanized Steel Duct	394.24	172.56
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	86.28	
23 31	13 13-1132	LF	74" x 84", 18 Gauge Galvanized Steel Duct	399.28	174.77
			<i>For Flat Oval, Add</i>	16.20	
			<i>For Work In Restricted Working Space, Add</i>	87.38	
23 31	13 13-1133	LF	74" x 86", 18 Gauge Galvanized Steel Duct	404.33	176.99
			<i>For Flat Oval, Add</i>	16.40	
			<i>For Work In Restricted Working Space, Add</i>	88.49	
23 31	13 13-1134	LF	76" x 76", 18 Gauge Galvanized Steel Duct	384.11	168.13
			<i>For Flat Oval, Add</i>	15.58	
			<i>For Work In Restricted Working Space, Add</i>	84.07	
23 31	13 13-1135	LF	76" x 78", 18 Gauge Galvanized Steel Duct	389.19	170.34
			<i>For Flat Oval, Add</i>	15.79	
			<i>For Work In Restricted Working Space, Add</i>	85.17	
23 31	13 13-1136	LF	76" x 80", 18 Gauge Galvanized Steel Duct	394.24	172.56
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	86.28	
23 31	13 13-1137	LF	76" x 82", 18 Gauge Galvanized Steel Duct	399.28	174.77
			<i>For Flat Oval, Add</i>	16.20	
			<i>For Work In Restricted Working Space, Add</i>	87.38	
23 31	13 13-1138	LF	76" x 84", 18 Gauge Galvanized Steel Duct	404.33	176.99
			<i>For Flat Oval, Add</i>	16.40	
			<i>For Work In Restricted Working Space, Add</i>	88.49	
23 31	13 13-1139	LF	76" x 86", 18 Gauge Galvanized Steel Duct	409.39	179.19
			<i>For Flat Oval, Add</i>	16.61	
			<i>For Work In Restricted Working Space, Add</i>	89.60	
23 31	13 13-1140	LF	78" x 78", 18 Gauge Galvanized Steel Duct	394.24	172.56
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	86.28	
23 31	13 13-1141	LF	78" x 80", 18 Gauge Galvanized Steel Duct	399.28	174.77
			<i>For Flat Oval, Add</i>	16.20	
			<i>For Work In Restricted Working Space, Add</i>	87.38	
23 31	13 13-1142	LF	78" x 82", 18 Gauge Galvanized Steel Duct	404.33	176.99
			<i>For Flat Oval, Add</i>	16.40	
			<i>For Work In Restricted Working Space, Add</i>	88.49	
23 31	13 13-1143	LF	78" x 84", 18 Gauge Galvanized Steel Duct	409.39	179.19
			<i>For Flat Oval, Add</i>	16.61	
			<i>For Work In Restricted Working Space, Add</i>	89.60	
23 31	13 13-1144	LF	78" x 86", 18 Gauge Galvanized Steel Duct	414.45	181.40
			<i>For Flat Oval, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	90.70	
23 31	13 13-1145	LF	80" x 80", 18 Gauge Galvanized Steel Duct	404.33	176.99
			<i>For Flat Oval, Add</i>	16.40	
			<i>For Work In Restricted Working Space, Add</i>	88.49	
23 31	13 13-1146	LF	80" x 82", 18 Gauge Galvanized Steel Duct	409.39	179.19
			<i>For Flat Oval, Add</i>	16.61	
			<i>For Work In Restricted Working Space, Add</i>	89.60	
23 31	13 13-1147	LF	80" x 84", 18 Gauge Galvanized Steel Duct	414.45	181.40
			<i>For Flat Oval, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	90.70	
23 31	13 13-1148	LF	80" x 86", 18 Gauge Galvanized Steel Duct	419.50	183.62
			<i>For Flat Oval, Add</i>	17.02	
			<i>For Work In Restricted Working Space, Add</i>	91.81	
23 31	13 13-1149	LF	82" x 82", 18 Gauge Galvanized Steel Duct	414.45	181.40
			<i>For Flat Oval, Add</i>	16.82	
			<i>For Work In Restricted Working Space, Add</i>	90.70	
23 31	13 13-1150	LF	82" x 84", 18 Gauge Galvanized Steel Duct	419.50	183.62
			<i>For Flat Oval, Add</i>	17.02	
			<i>For Work In Restricted Working Space, Add</i>	91.81	
23 31	13 13-1151	LF	82" x 86", 18 Gauge Galvanized Steel Duct	424.56	185.83
			<i>For Flat Oval, Add</i>	17.23	
			<i>For Work In Restricted Working Space, Add</i>	92.92	
23 31	13 13-1152	LF	84" x 84", 18 Gauge Galvanized Steel Duct	424.56	185.83
			<i>For Flat Oval, Add</i>	17.23	
			<i>For Work In Restricted Working Space, Add</i>	92.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1153 LF 84" x 86", 18 Gauge Galvanized Steel Duct	429.60	188.05
<i>For Flat Oval, Add</i>	17.43	
<i>For Work In Restricted Working Space, Add</i>	94.02	
23 31 13 13-1154 LF 86" x 86", 18 Gauge Galvanized Steel Duct	434.66	190.25
<i>For Flat Oval, Add</i>	17.63	
<i>For Work In Restricted Working Space, Add</i>	95.13	
23 31 13 13-1155 Aluminum Sheet Metal Duct Alloy 3003-H14 <small>(23 31 13 13)</small>		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 13-1156 LB Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14.....	17.16	2.80
<i>For Work In Restricted Working Space, Add</i>	4.76	
<i>For Up To 200 LB, Add</i>	5.54	
<i>For >200 To 500, Add</i>	3.41	
<i>For >500 To 1,000, Add</i>	2.49	
<i>For >1,000 To 2,000, Add</i>	1.41	
<i>For >2,000 To 5,000, Add</i>	0.67	
23 31 13 13-1157 Stainless Steel Sheet Metal Duct Type 304 <small>(23 31 13 13)</small>		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 13-1158 LB Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304	16.84	3.73
<i>For Type 316 Stainless Steel, Add</i>	0.42	
<i>For Welded Seams, Add</i>	6.55	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Up To 200 LB, Add</i>	6.30	
<i>For >200 To 500, Add</i>	4.07	
<i>For >500 To 1,000, Add</i>	2.65	
<i>For >1,000 To 2,000, Add</i>	1.47	
<i>For >2,000 To 5,000, Add</i>	0.63	
23 31 13 13-1159 LB Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304	19.28	4.66
<i>For Type 316 Stainless Steel, Add</i>	0.48	
<i>For Welded Seams, Add</i>	7.49	
<i>For Work In Restricted Working Space, Add</i>	4.35	
<i>For Up To 200 LB, Add</i>	7.22	
<i>For >200 To 500, Add</i>	4.67	
<i>For >500 To 1,000, Add</i>	3.03	
<i>For >1,000 To 2,000, Add</i>	1.69	
<i>For >2,000 To 5,000, Add</i>	0.72	
23 31 13 13-1160 LB Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304.....	23.52	5.60
<i>For Type 316 Stainless Steel, Add</i>	0.58	
<i>For Welded Seams, Add</i>	9.15	
<i>For Work In Restricted Working Space, Add</i>	5.32	
<i>For Up To 200 LB, Add</i>	8.80	
<i>For >200 To 500, Add</i>	5.68	
<i>For >500 To 1,000, Add</i>	3.70	
<i>For >1,000 To 2,000, Add</i>	2.06	
<i>For >2,000 To 5,000, Add</i>	0.88	
23 31 13 13-1161 Rework Sheet Metal Ductwork <small>(23 31 13 13)</small>		
Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1162 LF Up To 1 SF Cross Section, Rework Existing Ductwork.....	27.99	
23 31 13 13-1163 LF >1 To 2 SF Cross Section, Rework Existing Ductwork	54.57	
23 31 13 13-1164 LF >2 To 4 SF Cross Section, Rework Existing Ductwork	72.11	
23 31 13 13-1165 LF >4 To 6 SF Cross Section, Rework Existing Ductwork	90.29	
23 31 13 13-1166 LF >6 To 8 SF Cross Section, Rework Existing Ductwork	125.93	
23 31 13 13-1167 LF >8 To 10 SF Cross Section, Rework Existing Ductwork	146.92	
23 31 13 13-1168 LF >10 To 12 SF Cross Section, Rework Existing Ductwork	167.91	
23 31 13 13-1169 LF >12 To 14 SF Cross Section, Rework Existing Ductwork	188.89	
23 31 13 16 Round and Flat-Oval Spiral Ducts <small>(23 31 13)</small>		
23 31 13 16-0001 Factory Fabricated Field Installed Low Pressure Round Duct <small>(23 31 13 16)</small>		
Note: Based on 26 gauge.		
23 31 13 16-0002 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Ducts <small>(23 31 13 16-0001)</small>		
Note: Includes straps and supports.		
23 31 13 16-0003 LF 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	6.47	2.44
<i>For 28 Gauge, Deduct</i>	-0.20	
<i>For 24 Gauge, Add</i>	0.20	
<i>For 22 Gauge, Add</i>	0.40	
<i>For 20 Gauge, Add</i>	0.60	
<i>For 18 Gauge, Add</i>	0.80	
<i>For 16 Gauge, Add</i>	0.99	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.08	
<i>For Acid Resistant Asphaltum Coating, Add</i>	3.76	
<i>For Work In Restricted Working Space, Add</i>	1.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0004 LF 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	7.43	2.77
For 28 Gauge, Deduct	-0.26	
For 24 Gauge, Add	0.26	
For 22 Gauge, Add	0.52	
For 20 Gauge, Add	0.77	
For 18 Gauge, Add	1.03	
For 16 Gauge, Add	1.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.38	
For Acid Resistant Asphaltum Coating, Add	4.20	
For Work In Restricted Working Space, Add	1.67	
23 31 13 16-0005 LF 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	8.39	3.34
For 28 Gauge, Deduct	-0.30	
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.59	
For 20 Gauge, Add	0.89	
For 18 Gauge, Add	1.18	
For 16 Gauge, Add	1.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58	
For Acid Resistant Asphaltum Coating, Add	4.64	
For Work In Restricted Working Space, Add	1.88	
23 31 13 16-0006 LF 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	9.67	3.89
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.04	
For 18 Gauge, Add	1.39	
For 16 Gauge, Add	1.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
For Acid Resistant Asphaltum Coating, Add	5.08	
For Work In Restricted Working Space, Add	2.15	
23 31 13 16-0007 LF 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	11.14	4.44
For 28 Gauge, Deduct	-0.39	
For 24 Gauge, Add	0.39	
For 22 Gauge, Add	0.77	
For 20 Gauge, Add	1.16	
For 18 Gauge, Add	1.55	
For 16 Gauge, Add	1.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.08	
For Acid Resistant Asphaltum Coating, Add	5.52	
For Work In Restricted Working Space, Add	2.50	
23 31 13 16-0008 LF 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	13.46	5.56
For 28 Gauge, Deduct	-0.48	
For 24 Gauge, Add	0.48	
For 22 Gauge, Add	0.95	
For 20 Gauge, Add	1.43	
For 18 Gauge, Add	1.90	
For 16 Gauge, Add	2.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.56	
For Acid Resistant Asphaltum Coating, Add	6.40	
For Work In Restricted Working Space, Add	3.00	
23 31 13 16-0009 LF 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	16.75	7.45
For 28 Gauge, Deduct	-0.59	
For 24 Gauge, Add	0.59	
For 22 Gauge, Add	1.17	
For 20 Gauge, Add	1.76	
For 18 Gauge, Add	2.34	
For 16 Gauge, Add	2.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.15	
For Acid Resistant Asphaltum Coating, Add	6.90	
For Work In Restricted Working Space, Add	3.75	
23 31 13 16-0010 LF 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	20.57	11.12
For 28 Gauge, Deduct	-0.68	
For 24 Gauge, Add	0.68	
For 22 Gauge, Add	1.36	
For 20 Gauge, Add	2.05	
For 18 Gauge, Add	2.72	
For 16 Gauge, Add	3.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.66	
For Acid Resistant Asphaltum Coating, Add	7.26	
For Work In Restricted Working Space, Add	4.69	
23 31 13 16-0011 LF 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	28.16	14.90
For 28 Gauge, Deduct	-1.01	
For 24 Gauge, Add	1.01	
For 22 Gauge, Add	2.02	
For 20 Gauge, Add	3.03	
For 18 Gauge, Add	4.03	
For 16 Gauge, Add	4.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.42	
For Acid Resistant Asphaltum Coating, Add	7.58	
For Work In Restricted Working Space, Add	6.25	

23 31 13 16-0012 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbows (23 31 13 16-0001)
Note: Up to 90 degree.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0013 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	36.57	14.84
<i>For 28 Gauge, Deduct</i>	-0.96	
<i>For 24 Gauge, Add</i>	0.95	
<i>For 22 Gauge, Add</i>	1.90	
<i>For 20 Gauge, Add</i>	2.86	
<i>For 18 Gauge, Add</i>	3.80	
<i>For 16 Gauge, Add</i>	4.66	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.11	
<i>For Work In Restricted Working Space, Add</i>	8.90	
23 31 13 16-0014 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	41.74	17.12
<i>For 28 Gauge, Deduct</i>	-1.04	
<i>For 24 Gauge, Add</i>	1.04	
<i>For 22 Gauge, Add</i>	2.07	
<i>For 20 Gauge, Add</i>	3.11	
<i>For 18 Gauge, Add</i>	4.13	
<i>For 16 Gauge, Add</i>	5.07	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.56	
<i>For Work In Restricted Working Space, Add</i>	10.27	
23 31 13 16-0015 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	48.90	20.22
<i>For 28 Gauge, Deduct</i>	-1.17	
<i>For 24 Gauge, Add</i>	1.16	
<i>For 22 Gauge, Add</i>	2.33	
<i>For 20 Gauge, Add</i>	3.49	
<i>For 18 Gauge, Add</i>	4.64	
<i>For 16 Gauge, Add</i>	5.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.25	
<i>For Work In Restricted Working Space, Add</i>	12.14	
23 31 13 16-0016 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	62.38	26.00
<i>For 28 Gauge, Deduct</i>	-1.44	
<i>For 24 Gauge, Add</i>	1.43	
<i>For 22 Gauge, Add</i>	2.86	
<i>For 20 Gauge, Add</i>	4.29	
<i>For 18 Gauge, Add</i>	5.70	
<i>For 16 Gauge, Add</i>	7.00	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.67	
<i>For Work In Restricted Working Space, Add</i>	15.60	
23 31 13 16-0017 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	74.56	31.67
<i>For 28 Gauge, Deduct</i>	-1.55	
<i>For 24 Gauge, Add</i>	1.55	
<i>For 22 Gauge, Add</i>	3.09	
<i>For 20 Gauge, Add</i>	4.64	
<i>For 18 Gauge, Add</i>	6.17	
<i>For 16 Gauge, Add</i>	7.57	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.30	
<i>For Work In Restricted Working Space, Add</i>	19.01	
23 31 13 16-0018 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	113.70	49.46
<i>For 28 Gauge, Deduct</i>	-2.05	
<i>For 24 Gauge, Add</i>	2.04	
<i>For 22 Gauge, Add</i>	4.07	
<i>For 20 Gauge, Add</i>	6.12	
<i>For 18 Gauge, Add</i>	8.13	
<i>For 16 Gauge, Add</i>	9.98	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.94	
<i>For Work In Restricted Working Space, Add</i>	29.67	
23 31 13 16-0019 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	156.74	68.35
<i>For 28 Gauge, Deduct</i>	-2.78	
<i>For 24 Gauge, Add</i>	2.77	
<i>For 22 Gauge, Add</i>	5.52	
<i>For 20 Gauge, Add</i>	8.30	
<i>For 18 Gauge, Add</i>	11.02	
<i>For 16 Gauge, Add</i>	13.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.83	
<i>For Work In Restricted Working Space, Add</i>	41.01	
23 31 13 16-0020 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	192.42	80.86
<i>For 28 Gauge, Deduct</i>	-4.25	
<i>For 24 Gauge, Add</i>	4.24	
<i>For 22 Gauge, Add</i>	8.46	
<i>For 20 Gauge, Add</i>	12.72	
<i>For 18 Gauge, Add</i>	16.90	
<i>For 16 Gauge, Add</i>	20.74	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.73	
<i>For Work In Restricted Working Space, Add</i>	48.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow.....	221.84	88.91
			<i>For 28 Gauge, Deduct</i>	-6.10	
			<i>For 24 Gauge, Add</i>	6.07	
			<i>For 22 Gauge, Add</i>	12.13	
			<i>For 20 Gauge, Add</i>	18.22	
			<i>For 18 Gauge, Add</i>	24.21	
			<i>For 16 Gauge, Add</i>	29.71	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.57	
			<i>For Work In Restricted Working Space, Add</i>	53.35	
23 31 13 16-0022			26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0023	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	30.81	10.00
			<i>For 28 Gauge, Deduct</i>	-0.80	
			<i>For 24 Gauge, Add</i>	0.80	
			<i>For 22 Gauge, Add</i>	1.60	
			<i>For 20 Gauge, Add</i>	2.40	
			<i>For 18 Gauge, Add</i>	3.19	
			<i>For 16 Gauge, Add</i>	3.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	7.50	
23 31 13 16-0024	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	35.19	11.45
			<i>For 28 Gauge, Deduct</i>	-0.92	
			<i>For 24 Gauge, Add</i>	0.91	
			<i>For 22 Gauge, Add</i>	1.82	
			<i>For 20 Gauge, Add</i>	2.74	
			<i>For 18 Gauge, Add</i>	3.64	
			<i>For 16 Gauge, Add</i>	4.46	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.89	
			<i>For Work In Restricted Working Space, Add</i>	8.57	
23 31 13 16-0025	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	40.87	13.34
			<i>For 28 Gauge, Deduct</i>	-1.04	
			<i>For 24 Gauge, Add</i>	1.04	
			<i>For 22 Gauge, Add</i>	2.07	
			<i>For 20 Gauge, Add</i>	3.12	
			<i>For 18 Gauge, Add</i>	4.14	
			<i>For 16 Gauge, Add</i>	5.08	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
23 31 13 16-0026	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	47.98	16.00
			<i>For 28 Gauge, Deduct</i>	-1.10	
			<i>For 24 Gauge, Add</i>	1.10	
			<i>For 22 Gauge, Add</i>	2.20	
			<i>For 20 Gauge, Add</i>	3.30	
			<i>For 18 Gauge, Add</i>	4.38	
			<i>For 16 Gauge, Add</i>	5.38	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.90	
			<i>For Work In Restricted Working Space, Add</i>	12.00	
23 31 13 16-0027	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	59.27	20.00
			<i>For 28 Gauge, Deduct</i>	-1.28	
			<i>For 24 Gauge, Add</i>	1.28	
			<i>For 22 Gauge, Add</i>	2.55	
			<i>For 20 Gauge, Add</i>	3.83	
			<i>For 18 Gauge, Add</i>	5.09	
			<i>For 16 Gauge, Add</i>	6.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	15.00	
23 31 13 16-0028	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	79.90	26.68
			<i>For 28 Gauge, Deduct</i>	-1.83	
			<i>For 24 Gauge, Add</i>	1.82	
			<i>For 22 Gauge, Add</i>	3.64	
			<i>For 20 Gauge, Add</i>	5.47	
			<i>For 18 Gauge, Add</i>	7.27	
			<i>For 16 Gauge, Add</i>	8.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.78	
			<i>For Work In Restricted Working Space, Add</i>	20.00	
23 31 13 16-0029	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	117.53	40.01
			<i>For 28 Gauge, Deduct</i>	-2.42	
			<i>For 24 Gauge, Add</i>	2.42	
			<i>For 22 Gauge, Add</i>	4.82	
			<i>For 20 Gauge, Add</i>	7.25	
			<i>For 18 Gauge, Add</i>	9.63	
			<i>For 16 Gauge, Add</i>	11.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.95	
			<i>For Work In Restricted Working Space, Add</i>	30.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0030 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	160.56	51.12
<i>For 28 Gauge, Deduct</i>	-4.54	
<i>For 24 Gauge, Add</i>	4.52	
<i>For 22 Gauge, Add</i>	9.02	
<i>For 20 Gauge, Add</i>	13.56	
<i>For 18 Gauge, Add</i>	18.01	
<i>For 16 Gauge, Add</i>	22.11	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.24	
<i>For Work In Restricted Working Space, Add</i>	38.34	
23 31 13 16-0031 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	201.23	64.46
<i>For 28 Gauge, Deduct</i>	-5.55	
<i>For 24 Gauge, Add</i>	5.53	
<i>For 22 Gauge, Add</i>	11.04	
<i>For 20 Gauge, Add</i>	16.59	
<i>For 18 Gauge, Add</i>	22.04	
<i>For 16 Gauge, Add</i>	27.05	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.66	
<i>For Work In Restricted Working Space, Add</i>	48.35	
23 31 13 16-0032 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0033 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	28.65	10.00
<i>For 28 Gauge, Deduct</i>	-0.50	
<i>For 24 Gauge, Add</i>	0.50	
<i>For 22 Gauge, Add</i>	1.00	
<i>For 20 Gauge, Add</i>	1.51	
<i>For 18 Gauge, Add</i>	2.00	
<i>For 16 Gauge, Add</i>	2.46	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.69	
<i>For Work In Restricted Working Space, Add</i>	7.50	
23 31 13 16-0034 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	33.26	11.45
<i>For 28 Gauge, Deduct</i>	-0.65	
<i>For 24 Gauge, Add</i>	0.65	
<i>For 22 Gauge, Add</i>	1.29	
<i>For 20 Gauge, Add</i>	1.94	
<i>For 18 Gauge, Add</i>	2.57	
<i>For 16 Gauge, Add</i>	3.16	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.46	
<i>For Work In Restricted Working Space, Add</i>	8.57	
23 31 13 16-0035 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	38.45	13.34
<i>For 28 Gauge, Deduct</i>	-0.71	
<i>For 24 Gauge, Add</i>	0.71	
<i>For 22 Gauge, Add</i>	1.41	
<i>For 20 Gauge, Add</i>	2.12	
<i>For 18 Gauge, Add</i>	2.81	
<i>For 16 Gauge, Add</i>	3.45	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.78	
<i>For Work In Restricted Working Space, Add</i>	10.00	
23 31 13 16-0036 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	45.93	16.00
<i>For 28 Gauge, Deduct</i>	-0.82	
<i>For 24 Gauge, Add</i>	0.82	
<i>For 22 Gauge, Add</i>	1.63	
<i>For 20 Gauge, Add</i>	2.45	
<i>For 18 Gauge, Add</i>	3.26	
<i>For 16 Gauge, Add</i>	4.00	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.38	
<i>For Work In Restricted Working Space, Add</i>	12.00	
23 31 13 16-0037 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	56.74	20.00
<i>For 28 Gauge, Deduct</i>	-0.93	
<i>For 24 Gauge, Add</i>	0.93	
<i>For 22 Gauge, Add</i>	1.85	
<i>For 20 Gauge, Add</i>	2.79	
<i>For 18 Gauge, Add</i>	3.70	
<i>For 16 Gauge, Add</i>	4.54	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.98	
<i>For Work In Restricted Working Space, Add</i>	15.00	
23 31 13 16-0038 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	76.95	26.68
<i>For 28 Gauge, Deduct</i>	-1.42	
<i>For 24 Gauge, Add</i>	1.42	
<i>For 22 Gauge, Add</i>	2.83	
<i>For 20 Gauge, Add</i>	4.25	
<i>For 18 Gauge, Add</i>	5.65	
<i>For 16 Gauge, Add</i>	6.93	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.60	
<i>For Work In Restricted Working Space, Add</i>	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0039	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....		113.25	40.01
		<i>For 28 Gauge, Deduct</i>		-1.83	
		<i>For 24 Gauge, Add</i>		1.82	
		<i>For 22 Gauge, Add</i>		3.64	
		<i>For 20 Gauge, Add</i>		5.47	
		<i>For 18 Gauge, Add</i>		7.27	
		<i>For 16 Gauge, Add</i>		8.92	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		9.78	
		<i>For Work In Restricted Working Space, Add</i>		30.01	
23 31 13 16-0040	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....		150.70	51.12
		<i>For 28 Gauge, Deduct</i>		-3.17	
		<i>For 24 Gauge, Add</i>		3.16	
		<i>For 22 Gauge, Add</i>		6.31	
		<i>For 20 Gauge, Add</i>		9.48	
		<i>For 18 Gauge, Add</i>		12.59	
		<i>For 16 Gauge, Add</i>		15.45	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		16.94	
		<i>For Work In Restricted Working Space, Add</i>		38.34	
23 31 13 16-0041	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....		198.68	64.46
		<i>For 28 Gauge, Deduct</i>		-5.20	
		<i>For 24 Gauge, Add</i>		5.18	
		<i>For 22 Gauge, Add</i>		10.34	
		<i>For 20 Gauge, Add</i>		15.54	
		<i>For 18 Gauge, Add</i>		20.64	
		<i>For 16 Gauge, Add</i>		25.33	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		27.77	
		<i>For Work In Restricted Working Space, Add</i>		48.35	
23 31 13 16-0042 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tees <small>(23 31 13 16-0001)</small>					
23 31 13 16-0043	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....		45.62	15.01
		<i>For 28 Gauge, Deduct</i>		-1.12	
		<i>For 24 Gauge, Add</i>		1.12	
		<i>For 22 Gauge, Add</i>		2.24	
		<i>For 20 Gauge, Add</i>		3.36	
		<i>For 18 Gauge, Add</i>		4.47	
		<i>For 16 Gauge, Add</i>		5.48	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		6.01	
		<i>For Work In Restricted Working Space, Add</i>		11.25	
23 31 13 16-0044	EA	5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....		53.65	17.12
		<i>For 28 Gauge, Deduct</i>		-1.49	
		<i>For 24 Gauge, Add</i>		1.49	
		<i>For 22 Gauge, Add</i>		2.97	
		<i>For 20 Gauge, Add</i>		4.46	
		<i>For 18 Gauge, Add</i>		5.93	
		<i>For 16 Gauge, Add</i>		7.28	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		7.98	
		<i>For Work In Restricted Working Space, Add</i>		12.86	
23 31 13 16-0045	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....		61.71	20.00
		<i>For 28 Gauge, Deduct</i>		-1.62	
		<i>For 24 Gauge, Add</i>		1.61	
		<i>For 22 Gauge, Add</i>		3.22	
		<i>For 20 Gauge, Add</i>		4.84	
		<i>For 18 Gauge, Add</i>		6.44	
		<i>For 16 Gauge, Add</i>		7.90	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		8.66	
		<i>For Work In Restricted Working Space, Add</i>		15.00	
23 31 13 16-0046	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....		73.48	24.00
		<i>For 28 Gauge, Deduct</i>		-1.87	
		<i>For 24 Gauge, Add</i>		1.86	
		<i>For 22 Gauge, Add</i>		3.71	
		<i>For 20 Gauge, Add</i>		5.58	
		<i>For 18 Gauge, Add</i>		7.41	
		<i>For 16 Gauge, Add</i>		9.09	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		9.97	
		<i>For Work In Restricted Working Space, Add</i>		18.00	
23 31 13 16-0047	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....		96.80	30.00
		<i>For 28 Gauge, Deduct</i>		-3.02	
		<i>For 24 Gauge, Add</i>		3.00	
		<i>For 22 Gauge, Add</i>		6.00	
		<i>For 20 Gauge, Add</i>		9.01	
		<i>For 18 Gauge, Add</i>		11.97	
		<i>For 16 Gauge, Add</i>		14.69	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		16.11	
		<i>For Work In Restricted Working Space, Add</i>		22.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0048 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	127.80	40.01
For 28 Gauge, Deduct	-3.85	
For 24 Gauge, Add	3.83	
For 22 Gauge, Add	7.65	
For 20 Gauge, Add	11.50	
For 18 Gauge, Add	15.27	
For 16 Gauge, Add	18.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.55	
For Work In Restricted Working Space, Add	30.01	
23 31 13 16-0049 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	177.77	60.01
For 28 Gauge, Deduct	-3.85	
For 24 Gauge, Add	3.83	
For 22 Gauge, Add	7.65	
For 20 Gauge, Add	11.50	
For 18 Gauge, Add	15.27	
For 16 Gauge, Add	18.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.55	
For Work In Restricted Working Space, Add	45.00	
23 31 13 16-0050 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	244.51	76.46
For 28 Gauge, Deduct	-7.33	
For 24 Gauge, Add	7.30	
For 22 Gauge, Add	14.57	
For 20 Gauge, Add	21.90	
For 18 Gauge, Add	29.09	
For 16 Gauge, Add	35.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.14	
For Work In Restricted Working Space, Add	57.49	
23 31 13 16-0051 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	315.86	96.91
For 28 Gauge, Deduct	-10.28	
For 24 Gauge, Add	10.25	
For 22 Gauge, Add	20.46	
For 20 Gauge, Add	30.74	
For 18 Gauge, Add	40.84	
For 16 Gauge, Add	50.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.95	
For Work In Restricted Working Space, Add	72.48	
23 31 13 16-0052 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connectors <small>(23 31 13 16-0001)</small>		
23 31 13 16-0053 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	20.51	
For Work In Restricted Working Space, Add	5.33	
23 31 13 16-0054 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	21.62	
For Work In Restricted Working Space, Add	5.61	
23 31 13 16-0055 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	23.15	
For Work In Restricted Working Space, Add	6.00	
23 31 13 16-0056 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	24.72	
For Work In Restricted Working Space, Add	6.34	
23 31 13 16-0057 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	26.85	
For Work In Restricted Working Space, Add	6.83	
23 31 13 16-0058 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	31.86	
For Work In Restricted Working Space, Add	7.64	
23 31 13 16-0059 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	43.29	
For Work In Restricted Working Space, Add	10.67	
23 31 13 16-0060 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	49.46	
For Work In Restricted Working Space, Add	12.14	
23 31 13 16-0061 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	54.42	
For Work In Restricted Working Space, Add	13.31	
23 31 13 16-0062 26 Gauge, Slip Joint, Galvanized, Spiral Duct And Fittings <small>(23 31 13 16)</small>		
23 31 13 16-0063 26 Gauge, Slip Joint, Galvanized, Spiral Duct <small>(23 31 13 16-0062)</small>		
23 31 13 16-0064 LF 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	6.98	1.03
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.12	
For 18 Gauge, Add	1.71	
For 16 Gauge, Add	2.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.10	
For Work In Restricted Working Space, Add	1.65	
23 31 13 16-0065 LF 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	8.73	2.05
For 24 Gauge, Add	0.43	
For 22 Gauge, Add	0.99	
For 20 Gauge, Add	1.61	
For 18 Gauge, Add	2.47	
For 16 Gauge, Add	3.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.59	
For Work In Restricted Working Space, Add	1.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0066 LF 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	11.00	2.05
For 24 Gauge, Add	0.57	
For 22 Gauge, Add	1.31	
For 20 Gauge, Add	2.13	
For 18 Gauge, Add	3.27	
For 16 Gauge, Add	3.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.10	
For Work In Restricted Working Space, Add	2.45	
23 31 13 16-0067 LF 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	13.30	2.05
For 24 Gauge, Add	0.70	
For 22 Gauge, Add	1.61	
For 20 Gauge, Add	2.63	
For 18 Gauge, Add	4.03	
For 16 Gauge, Add	4.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.59	
For Work In Restricted Working Space, Add	2.94	
23 31 13 16-0068 LF 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	16.58	3.07
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.98	
For 20 Gauge, Add	3.23	
For 18 Gauge, Add	4.95	
For 16 Gauge, Add	6.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.18	
For Work In Restricted Working Space, Add	3.68	
23 31 13 16-0069 LF 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	20.34	3.07
For 24 Gauge, Add	1.00	
For 22 Gauge, Add	2.30	
For 20 Gauge, Add	3.74	
For 18 Gauge, Add	5.74	
For 16 Gauge, Add	6.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.69	
For Work In Restricted Working Space, Add	4.61	
23 31 13 16-0070 LF 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	27.68	3.07
For 24 Gauge, Add	1.45	
For 22 Gauge, Add	3.33	
For 20 Gauge, Add	5.43	
For 18 Gauge, Add	8.33	
For 16 Gauge, Add	10.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.36	
For Work In Restricted Working Space, Add	6.13	
23 31 13 16-0071 LF 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	31.85	4.09
For 24 Gauge, Add	1.61	
For 22 Gauge, Add	3.69	
For 20 Gauge, Add	6.02	
For 18 Gauge, Add	9.23	
For 16 Gauge, Add	11.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.94	
For Work In Restricted Working Space, Add	7.15	
23 31 13 16-0072 LF 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	36.02	4.09
For 24 Gauge, Add	1.79	
For 22 Gauge, Add	4.12	
For 20 Gauge, Add	6.72	
For 18 Gauge, Add	10.30	
For 16 Gauge, Add	12.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
For Work In Restricted Working Space, Add	8.12	
23 31 13 16-0073 LF 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	40.38	5.12
For 24 Gauge, Add	1.98	
For 22 Gauge, Add	4.55	
For 20 Gauge, Add	7.43	
For 18 Gauge, Add	11.39	
For 16 Gauge, Add	13.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.33	
For Work In Restricted Working Space, Add	9.14	
23 31 13 16-0074 LF 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	44.87	6.14
For 24 Gauge, Add	2.15	
For 22 Gauge, Add	4.95	
For 20 Gauge, Add	8.07	
For 18 Gauge, Add	12.37	
For 16 Gauge, Add	15.06	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.96	
For Work In Restricted Working Space, Add	10.23	
23 31 13 16-0075 26 Gauge, Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0062)		
23 31 13 16-0076 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	68.49	14.33
For 24 Gauge, Add	2.64	
For 22 Gauge, Add	6.06	
For 20 Gauge, Add	9.89	
For 18 Gauge, Add	15.16	
For 16 Gauge, Add	18.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.75	
For Work In Restricted Working Space, Add	16.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0077 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	100.58	20.46
For 24 Gauge, Add	3.74	
For 22 Gauge, Add	8.61	
For 20 Gauge, Add	14.04	
For 18 Gauge, Add	21.53	
For 16 Gauge, Add	26.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.85	
For Work In Restricted Working Space, Add	24.56	
23 31 13 16-0078 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	143.41	26.60
For 24 Gauge, Add	7.14	
For 22 Gauge, Add	16.42	
For 20 Gauge, Add	26.78	
For 18 Gauge, Add	41.06	
For 16 Gauge, Add	49.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.42	
For Work In Restricted Working Space, Add	32.31	
23 31 13 16-0079 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	178.46	33.76
For 24 Gauge, Add	8.41	
For 22 Gauge, Add	19.33	
For 20 Gauge, Add	31.52	
For 18 Gauge, Add	48.33	
For 16 Gauge, Add	58.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.10	
For Work In Restricted Working Space, Add	40.93	
23 31 13 16-0080 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	219.89	42.97
For 24 Gauge, Add	9.87	
For 22 Gauge, Add	22.70	
For 20 Gauge, Add	37.01	
For 18 Gauge, Add	56.75	
For 16 Gauge, Add	69.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.52	
For Work In Restricted Working Space, Add	51.16	
23 31 13 16-0081 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	240.98	47.07
For 24 Gauge, Add	10.99	
For 22 Gauge, Add	25.27	
For 20 Gauge, Add	41.21	
For 18 Gauge, Add	63.18	
For 16 Gauge, Add	76.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.66	
For Work In Restricted Working Space, Add	55.81	
23 31 13 16-0082 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	284.35	55.25
For 24 Gauge, Add	12.86	
For 22 Gauge, Add	29.57	
For 20 Gauge, Add	48.22	
For 18 Gauge, Add	73.93	
For 16 Gauge, Add	90.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.57	
For Work In Restricted Working Space, Add	66.02	
23 31 13 16-0083 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	346.84	68.55
For 24 Gauge, Add	14.80	
For 22 Gauge, Add	34.03	
For 20 Gauge, Add	55.49	
For 18 Gauge, Add	85.08	
For 16 Gauge, Add	103.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.75	
For Work In Restricted Working Space, Add	81.86	
23 31 13 16-0084 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	417.41	82.88
For 24 Gauge, Add	17.47	
For 22 Gauge, Add	40.17	
For 20 Gauge, Add	65.50	
For 18 Gauge, Add	100.43	
For 16 Gauge, Add	122.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	64.62	
For Work In Restricted Working Space, Add	99.02	
23 31 13 16-0085 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	485.24	96.18
For 24 Gauge, Add	19.82	
For 22 Gauge, Add	45.59	
For 20 Gauge, Add	74.33	
For 18 Gauge, Add	113.98	
For 16 Gauge, Add	138.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	73.34	
For Work In Restricted Working Space, Add	115.84	
23 31 13 16-0086 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	557.74	109.49
For 24 Gauge, Add	24.46	
For 22 Gauge, Add	56.26	
For 20 Gauge, Add	91.73	
For 18 Gauge, Add	140.66	
For 16 Gauge, Add	171.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	90.51	
For Work In Restricted Working Space, Add	130.63	

23 31 13 16-0087 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0082)

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0088	EA	4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	69.11	14.33
			<i>For 24 Gauge, Add</i>	2.76	
			<i>For 22 Gauge, Add</i>	6.35	
			<i>For 20 Gauge, Add</i>	10.35	
			<i>For 18 Gauge, Add</i>	15.87	
			<i>For 16 Gauge, Add</i>	19.32	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.21	
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 31	13 16-0089	EA	6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	97.37	20.46
			<i>For 24 Gauge, Add</i>	3.10	
			<i>For 22 Gauge, Add</i>	7.13	
			<i>For 20 Gauge, Add</i>	11.63	
			<i>For 18 Gauge, Add</i>	17.84	
			<i>For 16 Gauge, Add</i>	21.71	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	24.56	
23 31	13 16-0090	EA	8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	128.50	26.60
			<i>For 24 Gauge, Add</i>	4.16	
			<i>For 22 Gauge, Add</i>	9.56	
			<i>For 20 Gauge, Add</i>	15.59	
			<i>For 18 Gauge, Add</i>	23.91	
			<i>For 16 Gauge, Add</i>	29.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.38	
			<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31	13 16-0091	EA	10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	162.42	33.76
			<i>For 24 Gauge, Add</i>	5.20	
			<i>For 22 Gauge, Add</i>	11.96	
			<i>For 20 Gauge, Add</i>	19.49	
			<i>For 18 Gauge, Add</i>	29.89	
			<i>For 16 Gauge, Add</i>	36.39	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.23	
			<i>For Work In Restricted Working Space, Add</i>	40.93	
23 31	13 16-0092	EA	12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	200.75	42.97
			<i>For 24 Gauge, Add</i>	6.04	
			<i>For 22 Gauge, Add</i>	13.90	
			<i>For 20 Gauge, Add</i>	22.66	
			<i>For 18 Gauge, Add</i>	34.74	
			<i>For 16 Gauge, Add</i>	42.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.36	
			<i>For Work In Restricted Working Space, Add</i>	51.16	
23 31	13 16-0093	EA	14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	219.62	47.07
			<i>For 24 Gauge, Add</i>	6.72	
			<i>For 22 Gauge, Add</i>	15.45	
			<i>For 20 Gauge, Add</i>	25.19	
			<i>For 18 Gauge, Add</i>	38.62	
			<i>For 16 Gauge, Add</i>	47.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.85	
			<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31	13 16-0094	EA	16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	275.11	55.25
			<i>For 24 Gauge, Add</i>	11.01	
			<i>For 22 Gauge, Add</i>	25.32	
			<i>For 20 Gauge, Add</i>	41.29	
			<i>For 18 Gauge, Add</i>	63.31	
			<i>For 16 Gauge, Add</i>	77.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.74	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
23 31	13 16-0095	EA	18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	340.29	68.55
			<i>For 24 Gauge, Add</i>	13.49	
			<i>For 22 Gauge, Add</i>	31.02	
			<i>For 20 Gauge, Add</i>	50.57	
			<i>For 18 Gauge, Add</i>	77.54	
			<i>For 16 Gauge, Add</i>	94.40	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	49.90	
			<i>For Work In Restricted Working Space, Add</i>	81.86	
23 31	13 16-0096	EA	20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	415.40	82.88
			<i>For 24 Gauge, Add</i>	17.06	
			<i>For 22 Gauge, Add</i>	39.25	
			<i>For 20 Gauge, Add</i>	63.99	
			<i>For 18 Gauge, Add</i>	98.12	
			<i>For 16 Gauge, Add</i>	119.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	63.14	
			<i>For Work In Restricted Working Space, Add</i>	99.02	
23 31	13 16-0097	EA	22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	462.51	96.18
			<i>For 24 Gauge, Add</i>	15.28	
			<i>For 22 Gauge, Add</i>	35.13	
			<i>For 20 Gauge, Add</i>	57.29	
			<i>For 18 Gauge, Add</i>	87.84	
			<i>For 16 Gauge, Add</i>	106.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	56.52	
			<i>For Work In Restricted Working Space, Add</i>	115.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0098 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	549.65	109.49
<i>For 24 Gauge, Add</i>	22.84	
<i>For 22 Gauge, Add</i>	52.54	
<i>For 20 Gauge, Add</i>	85.67	
<i>For 18 Gauge, Add</i>	131.35	
<i>For 16 Gauge, Add</i>	159.91	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	84.52	
<i>For Work In Restricted Working Space, Add</i>	130.63	
23 31 13 16-0099 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals		
<small>(23 31 13 16-0062)</small>		
23 31 13 16-0100 EA 6" x 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	137.38	26.60
<i>For 24 Gauge, Add</i>	5.93	
<i>For 22 Gauge, Add</i>	13.65	
<i>For 20 Gauge, Add</i>	22.25	
<i>For 18 Gauge, Add</i>	34.12	
<i>For 16 Gauge, Add</i>	41.54	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.96	
<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31 13 16-0101 EA 8" x 8" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	201.64	42.97
<i>For 24 Gauge, Add</i>	6.22	
<i>For 22 Gauge, Add</i>	14.31	
<i>For 20 Gauge, Add</i>	23.33	
<i>For 18 Gauge, Add</i>	35.77	
<i>For 16 Gauge, Add</i>	43.54	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.01	
<i>For Work In Restricted Working Space, Add</i>	51.16	
23 31 13 16-0102 EA 10" x 10" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	254.21	55.25
<i>For 24 Gauge, Add</i>	6.83	
<i>For 22 Gauge, Add</i>	15.71	
<i>For 20 Gauge, Add</i>	25.61	
<i>For 18 Gauge, Add</i>	39.27	
<i>For 16 Gauge, Add</i>	47.81	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.27	
<i>For Work In Restricted Working Space, Add</i>	66.02	
23 31 13 16-0103 EA 12" x 12" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	308.53	68.55
<i>For 24 Gauge, Add</i>	7.13	
<i>For 22 Gauge, Add</i>	16.41	
<i>For 20 Gauge, Add</i>	26.75	
<i>For 18 Gauge, Add</i>	41.02	
<i>For 16 Gauge, Add</i>	49.94	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	81.86	
23 31 13 16-0104 EA 14" x 14" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	366.92	82.88
<i>For 24 Gauge, Add</i>	7.37	
<i>For 22 Gauge, Add</i>	16.95	
<i>For 20 Gauge, Add</i>	27.63	
<i>For 18 Gauge, Add</i>	42.37	
<i>For 16 Gauge, Add</i>	51.58	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.26	
<i>For Work In Restricted Working Space, Add</i>	99.02	
23 31 13 16-0105 EA 16" x 16" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	426.20	96.18
<i>For 24 Gauge, Add</i>	8.01	
<i>For 22 Gauge, Add</i>	18.43	
<i>For 20 Gauge, Add</i>	30.05	
<i>For 18 Gauge, Add</i>	46.08	
<i>For 16 Gauge, Add</i>	56.10	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.65	
<i>For Work In Restricted Working Space, Add</i>	115.84	
23 31 13 16-0106 EA 18" x 18" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	477.11	109.49
<i>For 24 Gauge, Add</i>	8.34	
<i>For 22 Gauge, Add</i>	19.17	
<i>For 20 Gauge, Add</i>	31.26	
<i>For 18 Gauge, Add</i>	47.93	
<i>For 16 Gauge, Add</i>	58.35	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	30.84	
<i>For Work In Restricted Working Space, Add</i>	130.63	
23 31 13 16-0107 EA 20" x 20" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	542.34	124.84
<i>For 24 Gauge, Add</i>	8.64	
<i>For 22 Gauge, Add</i>	19.87	
<i>For 20 Gauge, Add</i>	32.40	
<i>For 18 Gauge, Add</i>	49.68	
<i>For 16 Gauge, Add</i>	60.48	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.97	
<i>For Work In Restricted Working Space, Add</i>	149.74	
23 31 13 16-0108 EA 22" x 22" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	605.10	138.14
<i>For 24 Gauge, Add</i>	10.40	
<i>For 22 Gauge, Add</i>	23.92	
<i>For 20 Gauge, Add</i>	38.99	
<i>For 18 Gauge, Add</i>	59.79	
<i>For 16 Gauge, Add</i>	72.79	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	38.47	
<i>For Work In Restricted Working Space, Add</i>	165.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0109	EA		24" x 24" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	655.60	150.42
			<i>For 24 Gauge, Add</i>	10.74	
			<i>For 22 Gauge, Add</i>	24.70	
			<i>For 20 Gauge, Add</i>	40.27	
			<i>For 18 Gauge, Add</i>	61.74	
			<i>For 16 Gauge, Add</i>	75.17	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	39.73	
			<i>For Work In Restricted Working Space, Add</i>	180.57	
23 31 13 16-0110	EA		8" x 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	211.64	46.35
			<i>For 24 Gauge, Add</i>	5.23	
			<i>For 22 Gauge, Add</i>	12.02	
			<i>For 20 Gauge, Add</i>	19.60	
			<i>For 18 Gauge, Add</i>	30.05	
			<i>For 16 Gauge, Add</i>	36.58	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.34	
			<i>For Work In Restricted Working Space, Add</i>	55.65	
23 31 13 16-0111	EA		10" x 10" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	256.01	55.76
			<i>For 24 Gauge, Add</i>	6.60	
			<i>For 22 Gauge, Add</i>	15.18	
			<i>For 20 Gauge, Add</i>	24.74	
			<i>For 18 Gauge, Add</i>	37.94	
			<i>For 16 Gauge, Add</i>	46.19	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.41	
			<i>For Work In Restricted Working Space, Add</i>	66.91	
23 31 13 16-0112	EA		12" x 12" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	311.03	67.74
			<i>For 24 Gauge, Add</i>	8.01	
			<i>For 22 Gauge, Add</i>	18.42	
			<i>For 20 Gauge, Add</i>	30.04	
			<i>For 18 Gauge, Add</i>	46.06	
			<i>For 16 Gauge, Add</i>	56.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.64	
			<i>For Work In Restricted Working Space, Add</i>	81.29	
23 31 13 16-0113	EA		14" x 14" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	370.27	80.53
			<i>For 24 Gauge, Add</i>	9.54	
			<i>For 22 Gauge, Add</i>	21.94	
			<i>For 20 Gauge, Add</i>	35.77	
			<i>For 18 Gauge, Add</i>	54.84	
			<i>For 16 Gauge, Add</i>	66.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	35.29	
			<i>For Work In Restricted Working Space, Add</i>	96.77	
23 31 13 16-0114	EA		16" x 16" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	469.21	103.55
			<i>For 24 Gauge, Add</i>	11.06	
			<i>For 22 Gauge, Add</i>	25.43	
			<i>For 20 Gauge, Add</i>	41.46	
			<i>For 18 Gauge, Add</i>	63.57	
			<i>For 16 Gauge, Add</i>	77.39	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.91	
			<i>For Work In Restricted Working Space, Add</i>	124.18	
23 31 13 16-0115	EA		18" x 18" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	521.22	114.91
			<i>For 24 Gauge, Add</i>	12.39	
			<i>For 22 Gauge, Add</i>	28.50	
			<i>For 20 Gauge, Add</i>	46.46	
			<i>For 18 Gauge, Add</i>	71.24	
			<i>For 16 Gauge, Add</i>	86.73	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	45.84	
			<i>For Work In Restricted Working Space, Add</i>	137.78	
23 31 13 16-0116	EA		20" x 20" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	592.57	130.77
			<i>For 24 Gauge, Add</i>	14.10	
			<i>For 22 Gauge, Add</i>	32.43	
			<i>For 20 Gauge, Add</i>	52.88	
			<i>For 18 Gauge, Add</i>	81.09	
			<i>For 16 Gauge, Add</i>	98.71	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	52.18	
			<i>For Work In Restricted Working Space, Add</i>	156.62	
23 31 13 16-0117	EA		22" x 22" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	635.91	139.47
			<i>For 24 Gauge, Add</i>	15.72	
			<i>For 22 Gauge, Add</i>	36.15	
			<i>For 20 Gauge, Add</i>	58.94	
			<i>For 18 Gauge, Add</i>	90.38	
			<i>For 16 Gauge, Add</i>	110.03	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	58.16	
			<i>For Work In Restricted Working Space, Add</i>	167.20	
23 31 13 16-0118	EA		24" x 24" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	689.92	151.23
			<i>For 24 Gauge, Add</i>	17.03	
			<i>For 22 Gauge, Add</i>	39.17	
			<i>For 20 Gauge, Add</i>	63.87	
			<i>For 18 Gauge, Add</i>	97.93	
			<i>For 16 Gauge, Add</i>	119.22	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	63.02	
			<i>For Work In Restricted Working Space, Add</i>	181.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119 EA 10" x 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	280.01	61.39
For 24 Gauge, Add	6.95	
For 22 Gauge, Add	15.99	
For 20 Gauge, Add	26.06	
For 18 Gauge, Add	39.96	
For 16 Gauge, Add	48.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.72	
For Work In Restricted Working Space, Add	73.58	
23 31 13 16-0120 EA 12" x 12" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	340.29	74.70
For 24 Gauge, Add	8.43	
For 22 Gauge, Add	19.38	
For 20 Gauge, Add	31.61	
For 18 Gauge, Add	48.46	
For 16 Gauge, Add	59.00	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.18	
For Work In Restricted Working Space, Add	89.45	
23 31 13 16-0121 EA 14" x 14" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	405.02	88.51
For 24 Gauge, Add	10.04	
For 22 Gauge, Add	23.10	
For 20 Gauge, Add	37.67	
For 18 Gauge, Add	57.75	
For 16 Gauge, Add	70.31	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.16	
For Work In Restricted Working Space, Add	106.44	
23 31 13 16-0122 EA 16" x 16" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	470.13	103.14
For 24 Gauge, Add	11.64	
For 22 Gauge, Add	26.77	
For 20 Gauge, Add	43.65	
For 18 Gauge, Add	66.93	
For 16 Gauge, Add	81.48	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.07	
For Work In Restricted Working Space, Add	123.58	
23 31 13 16-0123 EA 18" x 18" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	526.13	115.32
For 24 Gauge, Add	13.04	
For 22 Gauge, Add	30.00	
For 20 Gauge, Add	48.91	
For 18 Gauge, Add	74.99	
For 16 Gauge, Add	91.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.26	
For Work In Restricted Working Space, Add	138.28	
23 31 13 16-0124 EA 20" x 20" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	598.41	131.18
For 24 Gauge, Add	14.84	
For 22 Gauge, Add	34.14	
For 20 Gauge, Add	55.66	
For 18 Gauge, Add	85.34	
For 16 Gauge, Add	103.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.92	
For Work In Restricted Working Space, Add	157.26	
23 31 13 16-0125 EA 22" x 22" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	668.11	146.33
For 24 Gauge, Add	16.55	
For 22 Gauge, Add	38.06	
For 20 Gauge, Add	62.05	
For 18 Gauge, Add	95.14	
For 16 Gauge, Add	115.82	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	61.22	
For Work In Restricted Working Space, Add	175.61	
23 31 13 16-0126 EA 24" x 24" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	724.41	158.80
For 24 Gauge, Add	17.93	
For 22 Gauge, Add	41.23	
For 20 Gauge, Add	67.23	
For 18 Gauge, Add	103.09	
For 16 Gauge, Add	125.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.33	
For Work In Restricted Working Space, Add	190.43	
23 31 13 16-0127 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0062)</small>	92.53	20.46
23 31 13 16-0128 EA 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	20.46	20.46
For 24 Gauge, Add	2.13	
For 22 Gauge, Add	4.91	
For 20 Gauge, Add	8.00	
For 18 Gauge, Add	12.27	
For 16 Gauge, Add	14.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.90	
For Work In Restricted Working Space, Add	24.56	
23 31 13 16-0129 EA 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	119.45	26.60
For 24 Gauge, Add	2.35	
For 22 Gauge, Add	5.40	
For 20 Gauge, Add	8.81	
For 18 Gauge, Add	13.50	
For 16 Gauge, Add	16.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.69	
For Work In Restricted Working Space, Add	32.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0130 EA 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	149.43	33.76
For 24 Gauge, Add	2.60	
For 22 Gauge, Add	5.98	
For 20 Gauge, Add	9.75	
For 18 Gauge, Add	14.95	
For 16 Gauge, Add	18.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.62	
For Work In Restricted Working Space, Add	40.93	
23 31 13 16-0131 EA 12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	184.79	42.97
For 24 Gauge, Add	2.85	
For 22 Gauge, Add	6.56	
For 20 Gauge, Add	10.69	
For 18 Gauge, Add	16.39	
For 16 Gauge, Add	19.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.55	
For Work In Restricted Working Space, Add	51.16	
23 31 13 16-0132 EA 14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	201.91	47.07
For 24 Gauge, Add	3.17	
For 22 Gauge, Add	7.30	
For 20 Gauge, Add	11.90	
For 18 Gauge, Add	18.25	
For 16 Gauge, Add	22.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.74	
For Work In Restricted Working Space, Add	55.81	
23 31 13 16-0133 EA 16" x 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	247.49	55.25
For 24 Gauge, Add	5.49	
For 22 Gauge, Add	12.62	
For 20 Gauge, Add	20.57	
For 18 Gauge, Add	31.54	
For 16 Gauge, Add	38.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.30	
For Work In Restricted Working Space, Add	66.02	
23 31 13 16-0134 EA 18" x 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	302.17	68.55
For 24 Gauge, Add	5.86	
For 22 Gauge, Add	13.48	
For 20 Gauge, Add	21.98	
For 18 Gauge, Add	33.71	
For 16 Gauge, Add	41.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.69	
For Work In Restricted Working Space, Add	81.86	
23 31 13 16-0135 EA 20" x 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	361.36	82.88
For 24 Gauge, Add	6.26	
For 22 Gauge, Add	14.39	
For 20 Gauge, Add	23.46	
For 18 Gauge, Add	35.97	
For 16 Gauge, Add	43.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.15	
For Work In Restricted Working Space, Add	99.02	
23 31 13 16-0136 EA 22" x 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	419.38	96.18
For 24 Gauge, Add	6.65	
For 22 Gauge, Add	15.30	
For 20 Gauge, Add	24.94	
For 18 Gauge, Add	38.24	
For 16 Gauge, Add	46.55	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.61	
For Work In Restricted Working Space, Add	115.84	
23 31 13 16-0137 EA 24" x 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	470.48	109.49
For 24 Gauge, Add	7.01	
For 22 Gauge, Add	16.12	
For 20 Gauge, Add	26.29	
For 18 Gauge, Add	40.31	
For 16 Gauge, Add	49.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.94	
For Work In Restricted Working Space, Add	130.63	
23 31 13 16-0138 26 Gauge, Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0062)		
23 31 13 16-0139 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	60.36	14.33
For 24 Gauge, Add	1.01	
For 22 Gauge, Add	2.32	
For 20 Gauge, Add	3.79	
For 18 Gauge, Add	5.81	
For 16 Gauge, Add	7.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.74	
For Work In Restricted Working Space, Add	16.59	
23 31 13 16-0140 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	87.60	20.46
For 24 Gauge, Add	1.15	
For 22 Gauge, Add	2.64	
For 20 Gauge, Add	4.31	
For 18 Gauge, Add	6.60	
For 16 Gauge, Add	8.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.25	
For Work In Restricted Working Space, Add	24.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0141 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	113.89	26.60
<i>For 24 Gauge, Add</i>	1.24	
<i>For 22 Gauge, Add</i>	2.84	
<i>For 20 Gauge, Add</i>	4.64	
<i>For 18 Gauge, Add</i>	7.11	
<i>For 16 Gauge, Add</i>	8.65	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.57	
<i>For Work In Restricted Working Space, Add</i>	32.31	
23 31 13 16-0142 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	143.06	33.76
<i>For 24 Gauge, Add</i>	1.33	
<i>For 22 Gauge, Add</i>	3.05	
<i>For 20 Gauge, Add</i>	4.97	
<i>For 18 Gauge, Add</i>	7.62	
<i>For 16 Gauge, Add</i>	9.28	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.91	
<i>For Work In Restricted Working Space, Add</i>	40.93	
23 31 13 16-0143 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	177.62	42.97
<i>For 24 Gauge, Add</i>	1.42	
<i>For 22 Gauge, Add</i>	3.26	
<i>For 20 Gauge, Add</i>	5.31	
<i>For 18 Gauge, Add</i>	8.14	
<i>For 16 Gauge, Add</i>	9.91	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.24	
<i>For Work In Restricted Working Space, Add</i>	51.16	
23 31 13 16-0144 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	193.57	47.07
<i>For 24 Gauge, Add</i>	1.51	
<i>For 22 Gauge, Add</i>	3.46	
<i>For 20 Gauge, Add</i>	5.65	
<i>For 18 Gauge, Add</i>	8.66	
<i>For 16 Gauge, Add</i>	10.54	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13 16-0145 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	228.40	55.25
<i>For 24 Gauge, Add</i>	1.67	
<i>For 22 Gauge, Add</i>	3.84	
<i>For 20 Gauge, Add</i>	6.26	
<i>For 18 Gauge, Add</i>	9.59	
<i>For 16 Gauge, Add</i>	11.68	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.17	
<i>For Work In Restricted Working Space, Add</i>	66.02	
23 31 13 16-0146 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	281.64	68.55
<i>For 24 Gauge, Add</i>	1.76	
<i>For 22 Gauge, Add</i>	4.04	
<i>For 20 Gauge, Add</i>	6.59	
<i>For 18 Gauge, Add</i>	10.10	
<i>For 16 Gauge, Add</i>	12.29	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.50	
<i>For Work In Restricted Working Space, Add</i>	81.86	
23 31 13 16-0147 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	339.40	82.88
<i>For 24 Gauge, Add</i>	1.86	
<i>For 22 Gauge, Add</i>	4.29	
<i>For 20 Gauge, Add</i>	6.99	
<i>For 18 Gauge, Add</i>	10.72	
<i>For 16 Gauge, Add</i>	13.05	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	99.02	
23 31 13 16-0148 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	395.81	193.39
<i>For 24 Gauge, Add</i>	1.94	
<i>For 22 Gauge, Add</i>	4.45	
<i>For 20 Gauge, Add</i>	7.26	
<i>For 18 Gauge, Add</i>	11.13	
<i>For 16 Gauge, Add</i>	13.55	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.16	
<i>For Work In Restricted Working Space, Add</i>	115.84	
23 31 13 16-0149 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	445.65	217.96
<i>For 24 Gauge, Add</i>	2.04	
<i>For 22 Gauge, Add</i>	4.70	
<i>For 20 Gauge, Add</i>	7.67	
<i>For 18 Gauge, Add</i>	11.75	
<i>For 16 Gauge, Add</i>	14.31	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.56	
<i>For Work In Restricted Working Space, Add</i>	130.63	
23 31 13 16-0150 26 Gauge, Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0062)		
23 31 13 16-0151 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	33.57	14.33
<i>For 24 Gauge, Add</i>	1.18	
<i>For 22 Gauge, Add</i>	2.72	
<i>For 20 Gauge, Add</i>	4.44	
<i>For 18 Gauge, Add</i>	6.81	
<i>For 16 Gauge, Add</i>	8.29	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.38	
<i>For Work In Restricted Working Space, Add</i>	8.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0152 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	47.56	20.46
For 24 Gauge, Add	1.33	
For 22 Gauge, Add	3.05	
For 20 Gauge, Add	4.97	
For 18 Gauge, Add	7.62	
For 16 Gauge, Add	9.28	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.91	
For Work In Restricted Working Space, Add	12.28	
23 31 13 16-0153 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	61.11	27.63
For 24 Gauge, Add	1.45	
For 22 Gauge, Add	3.34	
For 20 Gauge, Add	5.45	
For 18 Gauge, Add	8.35	
For 16 Gauge, Add	10.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.37	
For Work In Restricted Working Space, Add	16.16	
23 31 13 16-0154 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	76.29	34.79
For 24 Gauge, Add	1.61	
For 22 Gauge, Add	3.71	
For 20 Gauge, Add	6.05	
For 18 Gauge, Add	9.28	
For 16 Gauge, Add	11.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.97	
For Work In Restricted Working Space, Add	20.47	
23 31 13 16-0155 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	94.23	42.97
For 24 Gauge, Add	1.79	
For 22 Gauge, Add	4.12	
For 20 Gauge, Add	6.72	
For 18 Gauge, Add	10.30	
For 16 Gauge, Add	12.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
For Work In Restricted Working Space, Add	25.58	
23 31 13 16-0156 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	102.89	47.07
For 24 Gauge, Add	1.97	
For 22 Gauge, Add	4.54	
For 20 Gauge, Add	7.40	
For 18 Gauge, Add	11.34	
For 16 Gauge, Add	13.80	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.30	
For Work In Restricted Working Space, Add	27.91	
23 31 13 16-0157 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	119.09	54.23
For 24 Gauge, Add	2.28	
For 22 Gauge, Add	5.23	
For 20 Gauge, Add	8.54	
For 18 Gauge, Add	13.09	
For 16 Gauge, Add	15.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.42	
For Work In Restricted Working Space, Add	32.31	
23 31 13 16-0158 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	174.79	68.55
For 24 Gauge, Add	7.67	
For 22 Gauge, Add	17.65	
For 20 Gauge, Add	28.77	
For 18 Gauge, Add	44.11	
For 16 Gauge, Add	53.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.39	
For Work In Restricted Working Space, Add	40.93	
23 31 13 16-0159 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	212.13	84.93
For 24 Gauge, Add	8.32	
For 22 Gauge, Add	19.13	
For 20 Gauge, Add	31.19	
For 18 Gauge, Add	47.83	
For 16 Gauge, Add	58.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.78	
For Work In Restricted Working Space, Add	51.16	
23 31 13 16-0160 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	230.86	93.12
For 24 Gauge, Add	8.96	
For 22 Gauge, Add	20.62	
For 20 Gauge, Add	33.62	
For 18 Gauge, Add	51.54	
For 16 Gauge, Add	62.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.17	
For Work In Restricted Working Space, Add	55.81	
23 31 13 16-0161 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	265.84	108.46
For 24 Gauge, Add	9.63	
For 22 Gauge, Add	22.14	
For 20 Gauge, Add	36.10	
For 18 Gauge, Add	55.35	
For 16 Gauge, Add	67.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.62	
For Work In Restricted Working Space, Add	65.31	
23 31 13 19 Metal Duct Fittings (23 31 13)		
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor	37.38	29.85
For Work In Restricted Working Space, Add	10.91	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23	Galvanized Steel Welded Duct <small>(23 31 13)</small>	Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001	Welded Steel Ductwork <small>(23 31 13 23)</small>	Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002	Galvanized Steel Welded Duct, For Kitchen <small>(23 31 13 23-0001)</small>	Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003	LB Galvanized Steel Welded Duct		22.22	9.05
	<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		3.02	
	<i>For Work In Restricted Working Space, Add</i>		5.44	
23 31 13 23-0004	Black Steel Ductwork <small>(23 31 13 23-0001)</small>			
23 31 13 23-0005	LB Black Steel Ductwork		19.58	9.33
	<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		0.68	
	<i>For Work In Restricted Working Space, Add</i>		5.60	
23 31 13 33	Duct Boots <small>(23 31 13)</small>			
23 31 13 33-0001	Duct Register Boots <small>(23 31 13 33)</small>			
23 31 13 33-0002	EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel		37.39	13.89
	<i>For Stainless Steel, Add</i>		12.49	
23 31 13 33-0003	EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel		37.39	13.89
	<i>For Stainless Steel, Add</i>		12.49	
23 31 13 33-0004	EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel		39.83	15.01
	<i>For Stainless Steel, Add</i>		12.78	
23 31 13 33-0005	EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel		39.83	15.01
	<i>For Stainless Steel, Add</i>		12.78	
23 31 13 33-0006	EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel		42.20	15.01
	<i>For Stainless Steel, Add</i>		15.86	
23 31 13 33-0007	EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel		43.23	16.11
	<i>For Stainless Steel, Add</i>		14.30	
23 31 13 33-0008	EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel		43.23	16.11
	<i>For Stainless Steel, Add</i>		14.30	
23 31 13 33-0009	EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel		44.70	16.11
	<i>For Stainless Steel, Add</i>		16.21	
23 31 13 33-0010	EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel		43.11	17.23
	<i>For Stainless Steel, Add</i>		11.25	
23 31 13 33-0011	EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel		45.59	18.33
	<i>For Stainless Steel, Add</i>		11.58	
23 31 13 33-0012	EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel		51.63	18.33
	<i>For Stainless Steel, Add</i>		19.44	
23 31 13 33-0013	EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel		48.34	19.45
	<i>For Stainless Steel, Add</i>		12.27	
23 31 13 33-0014	EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel		54.26	19.45
	<i>For Stainless Steel, Add</i>		19.97	
23 31 13 33-0015	EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel		38.39	15.01
	<i>For Stainless Steel, Add</i>		10.91	
23 31 13 33-0016	EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel		38.39	15.01
	<i>For Stainless Steel, Add</i>		10.91	
23 31 13 33-0017	EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel		41.59	16.11
	<i>For Stainless Steel, Add</i>		12.17	
23 31 13 33-0018	EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel		43.00	16.11
	<i>For Stainless Steel, Add</i>		14.00	
23 31 13 33-0019	EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel		43.30	17.23
	<i>For Stainless Steel, Add</i>		11.49	
23 31 13 33-0020	EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel		45.76	18.33
	<i>For Stainless Steel, Add</i>		11.80	
23 31 13 33-0021	EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel		39.36	15.01
	<i>For Stainless Steel, Add</i>		12.17	
23 31 13 33-0022	EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel		42.16	16.11
	<i>For Stainless Steel, Add</i>		12.91	
23 31 13 33-0023	EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel		37.39	13.89
	<i>For Stainless Steel, Add</i>		12.49	
23 31 13 33-0024	EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel		39.83	15.01
	<i>For Stainless Steel, Add</i>		12.78	
23 31 13 33-0025	EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel		43.23	16.11
	<i>For Stainless Steel, Add</i>		14.30	
23 31 13 33-0026	EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel		43.23	16.11
	<i>For Stainless Steel, Add</i>		14.30	
23 31 13 33-0027	EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel		43.11	17.23
	<i>For Stainless Steel, Add</i>		11.25	
23 31 13 33-0028	EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel		45.59	18.33
	<i>For Stainless Steel, Add</i>		11.58	
23 31 13 33-0029	EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel		51.63	18.33
	<i>For Stainless Steel, Add</i>		19.44	
23 31 13 33-0030	EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel		53.85	19.45
	<i>For Stainless Steel, Add</i>		19.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 31 16 Nonmetal Ducts (23 31)****23 31 16 13 Fibrous-Glass Ducts (23 31 16)****23 31 16 13-0001****Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	8.61	1.86
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	9.93	2.05
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	11.32	2.25

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)**23 31 16 16-0001****Round Fiber Reinforced Plastic Duct (23 31 16 16)****23 31 16 16-0002****Round Fiber Reinforced Plastic Duct (23 31 16 16-0001)**

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	13.23	5.28
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	16.31	6.17
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	22.56	9.07
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	29.52	11.45
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	37.27	14.35
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	44.89	17.23
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	51.02	20.12
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	57.58	22.02
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	62.00	23.41
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	75.15	26.30
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	79.42	28.19
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	94.75	30.08
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	108.80	34.87
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	126.83	42.04
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	163.14	46.81
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	182.85	52.60
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	204.36	60.27
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	233.25	70.33
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	257.53	86.07
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	314.37	105.19

23 31 16 16-0023**Fiber Reinforced Plastic Bell (23 31 16 16-0001)**

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	57.23	21.42
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	68.81	25.40
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	79.56	29.88
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	104.89	39.85
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	128.41	49.81
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	150.14	59.76
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	186.23	74.21
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	198.79	79.69
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	215.34	85.17
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	231.89	91.65
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	253.23	99.61
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	291.15	109.57
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	334.47	119.54
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	378.77	134.48
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	423.05	149.42
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	467.31	164.36
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	578.46	199.23
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	696.07	249.04
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	835.24	298.84
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	954.66	338.69

23 31 16 16-0044**Fiber Reinforced Plastic Flange (23 31 16 16-0001)**

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	86.03	21.42
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	99.41	25.40
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	113.76	29.88
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	148.09	39.85
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	180.61	49.81
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	213.14	59.76
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	252.83	74.21
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	279.79	79.69
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	305.34	85.17
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	325.49	91.65
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	343.23	99.61
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	399.15	109.57
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	438.87	119.54
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	535.37	134.48
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	595.85	149.42
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	674.31	164.36
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	794.46	199.23
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	953.47	249.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	1,112.44	298.84
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,271.46	338.69
23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow	145.47	51.60
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow	171.20	61.66
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow	198.74	71.72
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow	258.38	95.63
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow	318.03	119.54
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow	377.69	143.45
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow	464.68	178.41
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow	521.80	188.86
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow	590.29	205.10
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow	694.21	219.95
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow	794.52	239.08
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow	915.37	262.99
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow	1,207.18	286.89
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow	1,527.99	322.75
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow	1,983.78	358.72
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	2,340.61	394.57
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	2,776.91	478.15
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	3,372.14	597.69
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	3,966.99	717.03
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	4,522.20	812.56
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	125.66	51.60
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	147.80	61.66
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	171.71	71.72
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	218.78	95.63
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	265.83	119.54
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	316.56	143.45
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	390.95	178.41
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	422.72	188.86
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	496.50	205.00
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	564.88	220.14
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	646.86	239.08
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	740.31	262.79
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	918.81	286.70
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,112.66	323.05
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,395.61	358.91
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,629.61	394.57
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	1,945.31	478.15
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,342.54	597.69
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	2,758.70	715.63
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,119.67	813.35
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	191.31	77.00
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	226.60	92.74
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	260.30	107.58
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	338.09	143.45
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	414.28	178.41
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	495.19	216.16
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	598.68	261.99
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	652.55	283.51
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	747.26	308.01
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	837.87	329.92
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	957.78	358.72
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	1,089.61	394.57
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,284.07	430.23
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,527.25	484.33
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	1,976.78	538.12
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,336.67	592.01
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	2,816.14	717.72
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,384.82	896.93
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	3,952.92	1,075.74
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	4,462.95	1,219.78
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	164.29	77.00
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	194.17	92.74
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	222.53	107.58
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	285.96	143.45
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	347.75	178.41
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	417.84	216.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	501.71	262.18
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	544.11	283.31
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	596.28	308.11
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	643.96	330.22
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	702.61	358.91
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	776.41	394.57
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	855.25	430.03
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	965.13	484.03
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,077.43	538.42
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,184.28	591.81
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,417.70	715.63
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,740.51	898.52
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	2,100.21	1,076.54
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	2,356.95	1,219.78
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	132.90	51.70
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	156.85	61.77
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	184.39	71.72
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	238.58	95.63
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	289.23	119.54
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	348.03	144.04
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	416.15	178.41
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	444.32	188.86
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	489.30	205.00
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	536.08	220.14
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	596.46	239.08
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	676.43	263.28
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	756.12	287.39
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	855.26	323.05
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer	954.61	358.91
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer	1,071.61	394.57
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer	1,273.91	478.15
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer	1,530.74	597.69
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer	1,732.70	715.63
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer	1,949.67	813.35
23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0171 EA 2" Fiber Reinforced Plastic Two Piece Reducer	154.50	51.70
23 31 16 16-0172 EA 3" Fiber Reinforced Plastic Two Piece Reducer	171.25	61.77
23 31 16 16-0173 EA 4" Fiber Reinforced Plastic Two Piece Reducer	198.79	71.72
23 31 16 16-0174 EA 6" Fiber Reinforced Plastic Two Piece Reducer	258.38	95.63
23 31 16 16-0175 EA 8" Fiber Reinforced Plastic Two Piece Reducer	318.03	119.54
23 31 16 16-0176 EA 10" Fiber Reinforced Plastic Two Piece Reducer	378.63	144.04
23 31 16 16-0177 EA 12" Fiber Reinforced Plastic Two Piece Reducer	455.75	178.41
23 31 16 16-0178 EA 14" Fiber Reinforced Plastic Two Piece Reducer	494.72	188.86
23 31 16 16-0179 EA 16" Fiber Reinforced Plastic Two Piece Reducer	539.70	205.00
23 31 16 16-0180 EA 18" Fiber Reinforced Plastic Two Piece Reducer	604.48	220.14
23 31 16 16-0181 EA 20" Fiber Reinforced Plastic Two Piece Reducer	747.66	239.08
23 31 16 16-0182 EA 24" Fiber Reinforced Plastic Two Piece Reducer	897.83	263.28
23 31 16 16-0183 EA 30" Fiber Reinforced Plastic Two Piece Reducer	964.92	287.39
23 31 16 16-0184 EA 36" Fiber Reinforced Plastic Two Piece Reducer	1,096.46	323.05
23 31 16 16-0185 EA 42" Fiber Reinforced Plastic Two Piece Reducer	1,192.21	358.91
23 31 16 16-0186 EA 48" Fiber Reinforced Plastic Two Piece Reducer	1,305.61	394.57
23 31 16 16-0187 EA 54" Fiber Reinforced Plastic Two Piece Reducer	1,462.91	478.15
23 31 16 16-0188 EA 60" Fiber Reinforced Plastic Two Piece Reducer	1,708.94	597.69
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer	1,930.70	715.63
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer	2,129.67	813.35
23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)		
23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper	257.06	51.60
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper	291.80	61.66
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper	326.54	71.72
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper	393.38	95.63
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper	469.23	119.54
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper	536.09	143.45
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper	621.28	178.41
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper	683.80	188.86
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper	755.89	205.10
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper	825.61	219.95
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper	884.52	239.08
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper	996.37	262.99
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper	1,144.18	286.89
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper	1,311.99	322.75
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper	1,497.78	358.72
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper	1,665.61	394.57
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper	1,966.91	478.15
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper	2,328.14	597.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper.....	2,670.99	717.03
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper.....	3,064.20	812.56

23 33 Air Duct Accessories (23 30)

23 33 13 Dampers (23 33)

23 33 13 13 Volume-Control Dampers (23 33 13)

23 33 13 13-001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)

23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	48.40	8.90
<i>For Stainless Steel, Add</i>	18.08	
<i>For Parallel Blade Damper, Add</i>	5.56	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	54.13	10.00
<i>For Stainless Steel, Add</i>	18.36	
<i>For Parallel Blade Damper, Add</i>	5.65	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	60.78	11.12
<i>For Stainless Steel, Add</i>	18.54	
<i>For Parallel Blade Damper, Add</i>	5.70	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	66.45	13.34
<i>For Stainless Steel, Add</i>	19.71	
<i>For Parallel Blade Damper, Add</i>	6.06	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	73.20	14.44
<i>For Stainless Steel, Add</i>	20.87	
<i>For Parallel Blade Damper, Add</i>	6.42	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	83.02	15.56
<i>For Stainless Steel, Add</i>	26.66	
<i>For Parallel Blade Damper, Add</i>	8.20	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	91.28	16.67
<i>For Stainless Steel, Add</i>	28.98	
<i>For Parallel Blade Damper, Add</i>	8.92	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	97.27	18.90
<i>For Stainless Steel, Add</i>	30.13	
<i>For Parallel Blade Damper, Add</i>	9.27	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	105.87	20.00
<i>For Stainless Steel, Add</i>	33.61	
<i>For Parallel Blade Damper, Add</i>	10.34	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	119.08	22.22
<i>For Stainless Steel, Add</i>	41.73	
<i>For Parallel Blade Damper, Add</i>	12.84	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	127.48	22.22
<i>For Stainless Steel, Add</i>	47.52	
<i>For Parallel Blade Damper, Add</i>	14.62	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	142.82	25.56
<i>For Stainless Steel, Add</i>	55.63	
<i>For Parallel Blade Damper, Add</i>	17.12	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	151.92	26.68
<i>For Stainless Steel, Add</i>	60.62	
<i>For Parallel Blade Damper, Add</i>	18.65	

23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)

23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	65.76	12.34
<i>For Stainless Steel, Add</i>	37.38	
<i>For Parallel Blade Damper, Add</i>	11.50	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	69.47	12.89
<i>For Stainless Steel, Add</i>	40.03	
<i>For Parallel Blade Damper, Add</i>	12.32	
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	71.74	13.00
<i>For Stainless Steel, Add</i>	42.69	
<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	71.74	13.00
<i>For Stainless Steel, Add</i>	42.69	
<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	74.92	13.34
<i>For Stainless Steel, Add</i>	45.37	
<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	83.45	14.78
<i>For Stainless Steel, Add</i>	50.69	
<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	74.92	13.34
<i>For Stainless Steel, Add</i>	45.37	
<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.23	14.12
<i>For Stainless Steel, Add</i>	50.69	
<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.52	14.78
<i>For Stainless Steel, Add</i>	53.38	
<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	93.14	16.67
<i>For Stainless Steel, Add</i>	56.06	
<i>For Parallel Blade Damper, Add</i>	17.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.22	14.12
For Stainless Steel, Add	49.37	
For Parallel Blade Damper, Add	15.19	
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.52	14.78
For Stainless Steel, Add	53.38	
For Parallel Blade Damper, Add	16.42	
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.81	15.57
For Stainless Steel, Add	56.06	
For Parallel Blade Damper, Add	17.25	
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.19	16.67
For Stainless Steel, Add	58.72	
For Parallel Blade Damper, Add	18.07	
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	105.87	18.56
For Stainless Steel, Add	65.39	
For Parallel Blade Damper, Add	20.12	
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.52	14.78
For Stainless Steel, Add	53.38	
For Parallel Blade Damper, Add	16.42	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	90.92	15.90
For Stainless Steel, Add	56.06	
For Parallel Blade Damper, Add	17.25	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	97.42	17.46
For Stainless Steel, Add	58.72	
For Parallel Blade Damper, Add	18.07	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	102.79	18.56
For Stainless Steel, Add	61.39	
For Parallel Blade Damper, Add	18.89	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.50	20.34
For Stainless Steel, Add	68.08	
For Parallel Blade Damper, Add	20.95	
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	124.19	22.23
For Stainless Steel, Add	74.74	
For Parallel Blade Damper, Add	23.00	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.81	15.57
For Stainless Steel, Add	56.06	
For Parallel Blade Damper, Add	17.25	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.21	16.67
For Stainless Steel, Add	60.05	
For Parallel Blade Damper, Add	18.48	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.85	18.56
For Stainless Steel, Add	64.06	
For Parallel Blade Damper, Add	19.71	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.55	20.34
For Stainless Steel, Add	70.75	
For Parallel Blade Damper, Add	21.77	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	125.22	22.23
For Stainless Steel, Add	76.08	
For Parallel Blade Damper, Add	23.41	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.90	24.01
For Stainless Steel, Add	82.73	
For Parallel Blade Damper, Add	25.46	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.54	25.90
For Stainless Steel, Add	86.75	
For Parallel Blade Damper, Add	26.69	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.19	16.67
For Stainless Steel, Add	58.72	
For Parallel Blade Damper, Add	18.07	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.84	18.56
For Stainless Steel, Add	64.05	
For Parallel Blade Damper, Add	19.71	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	114.51	20.34
For Stainless Steel, Add	69.39	
For Parallel Blade Damper, Add	21.35	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.30	22.23
For Stainless Steel, Add	80.08	
For Parallel Blade Damper, Add	24.64	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.95	24.01
For Stainless Steel, Add	84.10	
For Parallel Blade Damper, Add	25.88	
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.58	25.90
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.23	27.79
For Stainless Steel, Add	93.42	
For Parallel Blade Damper, Add	28.74	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.89	29.57
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.90	18.56
For Stainless Steel, Add	66.73	
For Parallel Blade Damper, Add	20.53	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	118.62	20.34
For Stainless Steel, Add	74.74	
For Parallel Blade Damper, Add	23.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.30	22.23
For Stainless Steel, Add	80.08	
For Parallel Blade Damper, Add	24.64	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.03	24.01
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.65	25.90
For Stainless Steel, Add	92.09	
For Parallel Blade Damper, Add	28.34	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	157.29	27.79
For Stainless Steel, Add	96.10	
For Parallel Blade Damper, Add	29.57	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.00	29.57
For Stainless Steel, Add	104.09	
For Parallel Blade Damper, Add	32.03	
23 33 13 13-0059 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.26	33.34
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0060 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.62	37.01
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0061 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	118.62	20.34
For Stainless Steel, Add	74.74	
For Parallel Blade Damper, Add	23.00	
23 33 13 13-0062 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	128.30	22.23
For Stainless Steel, Add	80.08	
For Parallel Blade Damper, Add	24.64	
23 33 13 13-0063 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	140.03	24.01
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.67	25.90
For Stainless Steel, Add	93.42	
For Parallel Blade Damper, Add	28.74	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.36	27.79
For Stainless Steel, Add	100.09	
For Parallel Blade Damper, Add	30.80	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.04	29.57
For Stainless Steel, Add	106.74	
For Parallel Blade Damper, Add	32.84	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.32	33.34
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.62	37.01
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.48	38.90
For Stainless Steel, Add	138.79	
For Parallel Blade Damper, Add	42.70	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.85	42.57
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.47	22.23
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.07	24.01
For Stainless Steel, Add	90.75	
For Parallel Blade Damper, Add	27.92	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	149.67	25.90
For Stainless Steel, Add	93.42	
For Parallel Blade Damper, Add	28.74	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.33	27.79
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	171.44	29.57
For Stainless Steel, Add	107.26	
For Parallel Blade Damper, Add	33.00	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.32	33.34
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	207.67	37.01
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.99	40.68
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.85	42.57
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.13	45.57
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.34	48.13
For Stainless Steel, Add	192.19	
For Parallel Blade Damper, Add	59.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	146.18	24.01
For Stainless Steel, Add	96.10	
For Parallel Blade Damper, Add	29.57	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.83	25.90
For Stainless Steel, Add	101.43	
For Parallel Blade Damper, Add	31.21	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.48	27.79
For Stainless Steel, Add	106.74	
For Parallel Blade Damper, Add	32.84	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.21	29.57
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.42	33.34
For Stainless Steel, Add	118.79	
For Parallel Blade Damper, Add	36.55	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.06	35.12
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.99	40.68
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.36	44.46
For Stainless Steel, Add	149.46	
For Parallel Blade Damper, Add	45.99	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	265.13	45.91
For Stainless Steel, Add	165.49	
For Parallel Blade Damper, Add	50.92	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.55	49.24
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.71	51.80
For Stainless Steel, Add	205.52	
For Parallel Blade Damper, Add	63.24	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	335.70	53.68
For Stainless Steel, Add	226.88	
For Parallel Blade Damper, Add	69.81	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.77	27.79
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.54	29.57
For Stainless Steel, Add	109.42	
For Parallel Blade Damper, Add	33.67	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.15	31.46
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.77	33.34
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.07	35.12
For Stainless Steel, Add	124.11	
For Parallel Blade Damper, Add	38.19	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.83	37.01
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.70	42.57
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.04	46.24
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.25	49.24
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.61	51.80
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.80	54.80
For Stainless Steel, Add	216.18	
For Parallel Blade Damper, Add	66.52	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.85	56.25
For Stainless Steel, Add	245.56	
For Parallel Blade Damper, Add	75.56	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.28	59.24
For Stainless Steel, Add	272.26	
For Parallel Blade Damper, Add	83.77	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.44	27.79
For Stainless Steel, Add	104.09	
For Parallel Blade Damper, Add	32.03	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.21	29.57
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.95	31.46
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.55	33.34
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.32	35.12
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.09	37.01
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.59	44.46
For Stainless Steel, Add	160.16	
For Parallel Blade Damper, Add	49.28	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.95	48.13
For Stainless Steel, Add	173.49	
For Parallel Blade Damper, Add	53.38	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.61	51.80
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	339.20	55.57
For Stainless Steel, Add	224.21	
For Parallel Blade Damper, Add	68.99	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.84	59.24
For Stainless Steel, Add	250.89	
For Parallel Blade Damper, Add	77.20	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	394.87	61.02
For Stainless Steel, Add	274.91	
For Parallel Blade Damper, Add	84.59	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.92	62.91
For Stainless Steel, Add	298.94	
For Parallel Blade Damper, Add	91.98	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	442.97	64.80
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.15	29.57
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	188.95	31.46
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.55	33.34
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.83	37.01
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.14	40.68
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.48	44.46
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.91	48.13
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	299.33	51.80
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	328.93	55.57
For Stainless Steel, Add	210.86	
For Parallel Blade Damper, Add	64.88	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	362.63	59.24
For Stainless Steel, Add	240.21	
For Parallel Blade Damper, Add	73.91	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.68	61.02
For Stainless Steel, Add	264.26	
For Parallel Blade Damper, Add	81.31	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.87	62.91
For Stainless Steel, Add	296.27	
For Parallel Blade Damper, Add	91.16	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.47	66.58
For Stainless Steel, Add	320.29	
For Parallel Blade Damper, Add	98.55	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	476.66	68.48
For Stainless Steel, Add	352.33	
For Parallel Blade Damper, Add	108.41	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.76	74.04
For Stainless Steel, Add	373.67	
For Parallel Blade Damper, Add	114.98	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.89	31.46
For Stainless Steel, Add	120.12	
For Parallel Blade Damper, Add	36.96	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.65	33.34
For Stainless Steel, Add	130.79	
For Parallel Blade Damper, Add	40.24	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.98	37.01
			<i>For Stainless Steel, Add</i>	141.47	
			<i>For Parallel Blade Damper, Add</i>	43.53	
23 33 13	13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.14	40.68
			<i>For Stainless Steel, Add</i>	144.13	
			<i>For Parallel Blade Damper, Add</i>	44.35	
23 33 13	13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.51	44.46
			<i>For Stainless Steel, Add</i>	156.16	
			<i>For Parallel Blade Damper, Add</i>	48.05	
23 33 13	13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.86	48.13
			<i>For Stainless Steel, Add</i>	168.17	
			<i>For Parallel Blade Damper, Add</i>	51.74	
23 33 13	13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.29	51.80
			<i>For Stainless Steel, Add</i>	184.17	
			<i>For Parallel Blade Damper, Add</i>	56.67	
23 33 13	13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.72	55.57
			<i>For Stainless Steel, Add</i>	200.19	
			<i>For Parallel Blade Damper, Add</i>	61.60	
23 33 13	13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.32	59.24
			<i>For Stainless Steel, Add</i>	224.21	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13	13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	386.07	62.91
			<i>For Stainless Steel, Add</i>	256.23	
			<i>For Parallel Blade Damper, Add</i>	78.84	
23 33 13	13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	412.15	64.80
			<i>For Stainless Steel, Add</i>	282.91	
			<i>For Parallel Blade Damper, Add</i>	87.05	
23 33 13	13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	444.42	66.58
			<i>For Stainless Steel, Add</i>	317.63	
			<i>For Parallel Blade Damper, Add</i>	97.73	
23 33 13	13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.15	70.37
			<i>For Stainless Steel, Add</i>	349.64	
			<i>For Parallel Blade Damper, Add</i>	107.58	
23 33 13	13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.76	74.04
			<i>For Stainless Steel, Add</i>	373.67	
			<i>For Parallel Blade Damper, Add</i>	114.98	
23 33 13	13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	551.07	79.59
			<i>For Stainless Steel, Add</i>	405.70	
			<i>For Parallel Blade Damper, Add</i>	124.83	
23 33 13	13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	582.72	83.26
			<i>For Stainless Steel, Add</i>	432.41	
			<i>For Parallel Blade Damper, Add</i>	133.05	
23 33 13	13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.55	33.34
			<i>For Stainless Steel, Add</i>	125.46	
			<i>For Parallel Blade Damper, Add</i>	38.60	
23 33 13	13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.92	37.01
			<i>For Stainless Steel, Add</i>	138.79	
			<i>For Parallel Blade Damper, Add</i>	42.70	
23 33 13	13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.20	40.68
			<i>For Stainless Steel, Add</i>	146.81	
			<i>For Parallel Blade Damper, Add</i>	45.17	
23 33 13	13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.36	44.46
			<i>For Stainless Steel, Add</i>	149.46	
			<i>For Parallel Blade Damper, Add</i>	45.99	
23 33 13	13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.77	48.13
			<i>For Stainless Steel, Add</i>	164.15	
			<i>For Parallel Blade Damper, Add</i>	50.51	
23 33 13	13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.18	51.80
			<i>For Stainless Steel, Add</i>	178.83	
			<i>For Parallel Blade Damper, Add</i>	55.02	
23 33 13	13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.58	55.57
			<i>For Stainless Steel, Add</i>	193.51	
			<i>For Parallel Blade Damper, Add</i>	59.54	
23 33 13	13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.99	59.24
			<i>For Stainless Steel, Add</i>	208.18	
			<i>For Parallel Blade Damper, Add</i>	64.06	
23 33 13	13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	373.75	62.91
			<i>For Stainless Steel, Add</i>	240.21	
			<i>For Parallel Blade Damper, Add</i>	73.91	
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.96	64.80
			<i>For Stainless Steel, Add</i>	272.26	
			<i>For Parallel Blade Damper, Add</i>	83.77	
23 33 13	13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.10	66.58
			<i>For Stainless Steel, Add</i>	301.61	
			<i>For Parallel Blade Damper, Add</i>	92.80	
23 33 13	13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	471.95	70.37
			<i>For Stainless Steel, Add</i>	338.98	
			<i>For Parallel Blade Damper, Add</i>	104.30	
23 33 13	13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	507.71	74.04
			<i>For Stainless Steel, Add</i>	371.01	
			<i>For Parallel Blade Damper, Add</i>	114.16	
23 33 13	13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	545.51	77.70
			<i>For Stainless Steel, Add</i>	405.70	
			<i>For Parallel Blade Damper, Add</i>	124.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.17	81.48
For Stainless Steel, Add	432.41	
For Parallel Blade Damper, Add	133.05	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	614.97	85.15
For Stainless Steel, Add	467.10	
For Parallel Blade Damper, Add	143.72	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	652.78	88.82
For Stainless Steel, Add	501.80	
For Parallel Blade Damper, Add	154.40	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.83	37.01
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.20	40.68
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.41	44.46
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.59	48.13
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	287.03	51.80
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.44	55.57
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	334.91	59.24
For Stainless Steel, Add	204.18	
For Parallel Blade Damper, Add	62.82	
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.38	62.91
For Stainless Steel, Add	221.53	
For Parallel Blade Damper, Add	68.16	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.63	64.80
For Stainless Steel, Add	256.23	
For Parallel Blade Damper, Add	78.84	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.82	66.58
For Stainless Steel, Add	288.25	
For Parallel Blade Damper, Add	88.69	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.64	70.37
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	497.45	74.04
For Stainless Steel, Add	357.67	
For Parallel Blade Damper, Add	110.05	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.08	77.70
For Stainless Steel, Add	384.35	
For Parallel Blade Damper, Add	118.26	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	573.04	81.48
For Stainless Steel, Add	427.04	
For Parallel Blade Damper, Add	131.40	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	612.90	85.15
For Stainless Steel, Add	464.41	
For Parallel Blade Damper, Add	142.90	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	652.78	88.82
For Stainless Steel, Add	501.80	
For Parallel Blade Damper, Add	154.40	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	688.50	92.60
For Stainless Steel, Add	533.79	
For Parallel Blade Damper, Add	164.24	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	724.28	96.26
For Stainless Steel, Add	565.85	
For Parallel Blade Damper, Add	174.11	

23 33 13 16 Fire Dampers (23 33 13)

23 33 13 16-0001 Fire Dampers (23 33 13 16)

23 33 13 16-0002 SF Fire Damper, Vertical Curtain Type	57.51	12.01
For Smoke Damper, Add	18.17	
For Horizontal, Add	3.21	
For Dynamic Damper, Add	4.81	
For 3 Hour Rated, Add	4.28	
23 33 13 16-0003 SF Fire Damper, Vertical Louver Type	69.18	12.01
For Smoke Damper, Add	28.09	
For Horizontal, Add	4.96	
For Dynamic Damper, Add	7.44	
For 3 Hour Rated, Add	6.61	

23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)

Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	53.41	12.34
For Horizontal, Add	2.46	
For Dynamic Damper, Add	3.69	
For 3 Hour Rated, Add	3.28	
For Damper Blades Outside Air Stream, Add	4.92	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	56.24	12.89
For Horizontal, Add	2.63	
For Dynamic Damper, Add	3.95	
For 3 Hour Rated, Add	3.51	
For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.64	13.00
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.64	13.00
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.93	13.34
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.71	14.78
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.93	13.34
For Horizontal, Add	2.99	
For Dynamic Damper, Add	4.48	
For 3 Hour Rated, Add	3.98	
For Damper Blades Outside Air Stream, Add	5.97	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.49	14.12
For Horizontal, Add	3.34	
For Dynamic Damper, Add	5.01	
For 3 Hour Rated, Add	4.45	
For Damper Blades Outside Air Stream, Add	6.68	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.88	14.78
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.62	16.67
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.91	14.12
For Horizontal, Add	3.25	
For Dynamic Damper, Add	4.88	
For 3 Hour Rated, Add	4.33	
For Damper Blades Outside Air Stream, Add	6.50	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.88	14.78
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.29	15.57
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.79	16.67
For Horizontal, Add	3.87	
For Dynamic Damper, Add	5.80	
For 3 Hour Rated, Add	5.15	
For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.27	18.56
For Horizontal, Add	4.31	
For Dynamic Damper, Add	6.46	
For 3 Hour Rated, Add	5.74	
For Damper Blades Outside Air Stream, Add	8.61	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.88	14.78
For Horizontal, Add	3.51	
For Dynamic Damper, Add	5.27	
For 3 Hour Rated, Add	4.68	
For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.40	15.90
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.02	17.46
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.50	18.56
<i>For Horizontal, Add</i>	4.04	
<i>For Dynamic Damper, Add</i>	6.06	
<i>For 3 Hour Rated, Add</i>	5.39	
<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.00	20.34
<i>For Horizontal, Add</i>	4.48	
<i>For Dynamic Damper, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	5.97	
<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.50	22.23
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.29	15.57
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.37	16.67
<i>For Horizontal, Add</i>	3.95	
<i>For Dynamic Damper, Add</i>	5.93	
<i>For 3 Hour Rated, Add</i>	5.27	
<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.69	18.56
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.33	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.17	20.34
<i>For Horizontal, Add</i>	4.66	
<i>For Dynamic Damper, Add</i>	6.98	
<i>For 3 Hour Rated, Add</i>	6.21	
<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.08	22.23
<i>For Horizontal, Add</i>	5.01	
<i>For Dynamic Damper, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	6.68	
<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.57	24.01
<i>For Horizontal, Add</i>	5.45	
<i>For Dynamic Damper, Add</i>	8.17	
<i>For 3 Hour Rated, Add</i>	7.26	
<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.88	25.90
<i>For Horizontal, Add</i>	5.71	
<i>For Dynamic Damper, Add</i>	8.57	
<i>For 3 Hour Rated, Add</i>	7.61	
<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.79	16.67
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.68	18.56
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.32	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.43	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.58	20.34
<i>For Horizontal, Add</i>	4.57	
<i>For Dynamic Damper, Add</i>	6.85	
<i>For 3 Hour Rated, Add</i>	6.09	
<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.85	22.23
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.16	24.01
<i>For Horizontal, Add</i>	5.54	
<i>For Dynamic Damper, Add</i>	8.30	
<i>For 3 Hour Rated, Add</i>	7.38	
<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.47	25.90
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.37	27.79
For Horizontal, Add	6.15	
For Dynamic Damper, Add	9.23	
For 3 Hour Rated, Add	8.20	
For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.26	29.57
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.85	18.56
For Horizontal, Add	4.39	
For Dynamic Damper, Add	6.59	
For 3 Hour Rated, Add	5.86	
For Damper Blades Outside Air Stream, Add	8.78	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.93	20.34
For Horizontal, Add	4.92	
For Dynamic Damper, Add	7.38	
For 3 Hour Rated, Add	6.56	
For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.85	22.23
For Horizontal, Add	5.27	
For Dynamic Damper, Add	7.91	
For 3 Hour Rated, Add	7.03	
For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.92	24.01
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.22	25.90
For Horizontal, Add	6.06	
For Dynamic Damper, Add	9.09	
For 3 Hour Rated, Add	8.08	
For Damper Blades Outside Air Stream, Add	12.12	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.54	27.79
For Horizontal, Add	6.33	
For Dynamic Damper, Add	9.49	
For 3 Hour Rated, Add	8.43	
For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.61	29.57
For Horizontal, Add	6.85	
For Dynamic Damper, Add	10.28	
For 3 Hour Rated, Add	9.14	
For Damper Blades Outside Air Stream, Add	13.70	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.23	33.34
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.05	37.01
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.93	20.34
For Horizontal, Add	4.92	
For Dynamic Damper, Add	7.38	
For 3 Hour Rated, Add	6.56	
For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.85	22.23
For Horizontal, Add	5.27	
For Dynamic Damper, Add	7.91	
For 3 Hour Rated, Add	7.03	
For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.92	24.01
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.81	25.90
For Horizontal, Add	6.15	
For Dynamic Damper, Add	9.23	
For 3 Hour Rated, Add	8.20	
For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.30	27.79
For Horizontal, Add	6.59	
For Dynamic Damper, Add	9.88	
For 3 Hour Rated, Add	8.79	
For Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.78	29.57
For Horizontal, Add	7.03	
For Dynamic Damper, Add	10.54	
For 3 Hour Rated, Add	9.37	
For Damper Blades Outside Air Stream, Add	14.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.41	33.34
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.05	37.01
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.63	38.90
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.60	42.57
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.36	22.23
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.08	24.01
<i>For Horizontal, Add</i>	5.97	
<i>For Dynamic Damper, Add</i>	8.96	
<i>For 3 Hour Rated, Add</i>	7.96	
<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.81	25.90
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.70	27.79
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.00	29.57
<i>For Horizontal, Add</i>	7.06	
<i>For Dynamic Damper, Add</i>	10.59	
<i>For 3 Hour Rated, Add</i>	9.41	
<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.41	33.34
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.22	37.01
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.01	40.68
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.60	42.57
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.69	45.57
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.84	48.13
<i>For Horizontal, Add</i>	12.65	
<i>For Dynamic Damper, Add</i>	18.98	
<i>For 3 Hour Rated, Add</i>	16.87	
<i>For Damper Blades Outside Air Stream, Add</i>	25.30	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.43	24.01
<i>For Horizontal, Add</i>	6.33	
<i>For Dynamic Damper, Add</i>	9.49	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.32	25.90
<i>For Horizontal, Add</i>	6.68	
<i>For Dynamic Damper, Add</i>	10.01	
<i>For 3 Hour Rated, Add</i>	8.90	
<i>For Damper Blades Outside Air Stream, Add</i>	13.35	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.22	27.79
For Horizontal, Add	7.03	
For Dynamic Damper, Add	10.54	
For 3 Hour Rated, Add	9.37	
For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.30	29.57
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.17	33.34
For Horizontal, Add	7.82	
For Dynamic Damper, Add	11.73	
For 3 Hour Rated, Add	10.43	
For Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.49	35.12
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.01	40.68
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.98	44.46
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.33	45.91
For Horizontal, Add	6.23	
For Dynamic Damper, Add	9.34	
For 3 Hour Rated, Add	8.30	
For Damper Blades Outside Air Stream, Add	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.83	49.24
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.81	51.80
For Horizontal, Add	13.53	
For Dynamic Damper, Add	20.29	
For 3 Hour Rated, Add	18.04	
For Damper Blades Outside Air Stream, Add	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.74	53.68
For Horizontal, Add	14.93	
For Dynamic Damper, Add	22.40	
For 3 Hour Rated, Add	19.91	
For Damper Blades Outside Air Stream, Add	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.14	27.79
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.39	29.57
For Horizontal, Add	7.20	
For Dynamic Damper, Add	10.80	
For 3 Hour Rated, Add	9.60	
For Damper Blades Outside Air Stream, Add	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.12	31.46
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.86	33.34
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.07	35.12
For Horizontal, Add	8.17	
For Dynamic Damper, Add	12.26	
For 3 Hour Rated, Add	10.89	
For Damper Blades Outside Air Stream, Add	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.73	37.01
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.08	42.57
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.89	46.24
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.81	49.24
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.47	51.80
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.38	54.80
<i>For Horizontal, Add</i>	14.23	
<i>For Dynamic Damper, Add</i>	21.35	
<i>For 3 Hour Rated, Add</i>	18.97	
<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.72	56.25
<i>For Horizontal, Add</i>	16.16	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.55	
<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.33	59.24
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.05	27.79
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.30	29.57
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.38	31.46
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.10	33.34
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.34	35.12
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.59	37.01
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.68	44.46
<i>For Horizontal, Add</i>	10.54	
<i>For Dynamic Damper, Add</i>	15.82	
<i>For 3 Hour Rated, Add</i>	14.06	
<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.63	48.13
<i>For Horizontal, Add</i>	11.42	
<i>For Dynamic Damper, Add</i>	17.13	
<i>For 3 Hour Rated, Add</i>	15.23	
<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.47	51.80
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.12	55.57
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.95	59.24
<i>For Horizontal, Add</i>	16.52	
<i>For Dynamic Damper, Add</i>	24.77	
<i>For 3 Hour Rated, Add</i>	22.02	
<i>For Damper Blades Outside Air Stream, Add</i>	33.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.04	61.02
For Horizontal, Add	18.10	
For Dynamic Damper, Add	27.14	
For 3 Hour Rated, Add	24.13	
For Damper Blades Outside Air Stream, Add	36.19	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	320.15	62.91
For Horizontal, Add	19.68	
For Dynamic Damper, Add	29.52	
For 3 Hour Rated, Add	26.24	
For Damper Blades Outside Air Stream, Add	39.35	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.27	64.80
For Horizontal, Add	21.26	
For Dynamic Damper, Add	31.89	
For 3 Hour Rated, Add	28.35	
For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.12	29.57
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.38	31.46
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.10	33.34
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.73	37.01
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.52	40.68
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.33	44.46
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.47	48.13
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.61	51.80
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.26	55.57
For Horizontal, Add	13.88	
For Dynamic Damper, Add	20.82	
For 3 Hour Rated, Add	18.51	
For Damper Blades Outside Air Stream, Add	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.26	59.24
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	299.37	61.02
For Horizontal, Add	17.40	
For Dynamic Damper, Add	26.09	
For 3 Hour Rated, Add	23.19	
For Damper Blades Outside Air Stream, Add	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.98	62.91
For Horizontal, Add	19.50	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	26.00	
For Damper Blades Outside Air Stream, Add	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.65	66.58
For Horizontal, Add	21.08	
For Dynamic Damper, Add	31.63	
For 3 Hour Rated, Add	28.11	
For Damper Blades Outside Air Stream, Add	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.26	68.48
For Horizontal, Add	23.19	
For Dynamic Damper, Add	34.79	
For 3 Hour Rated, Add	30.92	
For Damper Blades Outside Air Stream, Add	46.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.30	74.04
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.20	31.46
<i>For Horizontal, Add</i>	7.91	
<i>For Dynamic Damper, Add</i>	11.86	
<i>For 3 Hour Rated, Add</i>	10.54	
<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.44	33.34
<i>For Horizontal, Add</i>	8.61	
<i>For Dynamic Damper, Add</i>	12.92	
<i>For 3 Hour Rated, Add</i>	11.48	
<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.24	37.01
<i>For Horizontal, Add</i>	9.31	
<i>For Dynamic Damper, Add</i>	13.97	
<i>For 3 Hour Rated, Add</i>	12.42	
<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.52	40.68
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.92	44.46
<i>For Horizontal, Add</i>	10.28	
<i>For Dynamic Damper, Add</i>	15.42	
<i>For 3 Hour Rated, Add</i>	13.71	
<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.30	48.13
<i>For Horizontal, Add</i>	11.07	
<i>For Dynamic Damper, Add</i>	16.61	
<i>For 3 Hour Rated, Add</i>	14.76	
<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.45	51.80
<i>For Horizontal, Add</i>	12.12	
<i>For Dynamic Damper, Add</i>	18.19	
<i>For 3 Hour Rated, Add</i>	16.17	
<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.58	55.57
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.24	59.24
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.42	62.91
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.68	64.80
<i>For Horizontal, Add</i>	18.62	
<i>For Dynamic Damper, Add</i>	27.93	
<i>For 3 Hour Rated, Add</i>	24.83	
<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.48	66.58
<i>For Horizontal, Add</i>	20.91	
<i>For Dynamic Damper, Add</i>	31.36	
<i>For 3 Hour Rated, Add</i>	27.88	
<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.63	70.37
<i>For Horizontal, Add</i>	23.01	
<i>For Dynamic Damper, Add</i>	34.52	
<i>For 3 Hour Rated, Add</i>	30.69	
<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.30	74.04
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	417.03	79.59
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	439.85	83.26
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.10	33.34
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.07	37.01
			<i>For Horizontal, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.70	40.68
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.98	44.46
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.54	48.13
			<i>For Horizontal, Add</i>	10.81	
			<i>For Dynamic Damper, Add</i>	16.21	
			<i>For 3 Hour Rated, Add</i>	14.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.10	51.80
			<i>For Horizontal, Add</i>	11.77	
			<i>For Dynamic Damper, Add</i>	17.66	
			<i>For 3 Hour Rated, Add</i>	15.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.65	55.57
			<i>For Horizontal, Add</i>	12.74	
			<i>For Dynamic Damper, Add</i>	19.11	
			<i>For 3 Hour Rated, Add</i>	16.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.21	59.24
			<i>For Horizontal, Add</i>	13.70	
			<i>For Dynamic Damper, Add</i>	20.56	
			<i>For 3 Hour Rated, Add</i>	18.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.38	62.91
			<i>For Horizontal, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	314.01	64.80
			<i>For Horizontal, Add</i>	17.92	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.45	66.58
			<i>For Horizontal, Add</i>	19.85	
			<i>For Dynamic Damper, Add</i>	29.78	
			<i>For 3 Hour Rated, Add</i>	26.47	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.96	70.37
			<i>For Horizontal, Add</i>	22.31	
			<i>For Dynamic Damper, Add</i>	33.47	
			<i>For 3 Hour Rated, Add</i>	29.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	385.13	74.04
			<i>For Horizontal, Add</i>	24.42	
			<i>For Dynamic Damper, Add</i>	36.63	
			<i>For 3 Hour Rated, Add</i>	32.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.47	77.70
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	434.30	81.48
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.64	85.15
			<i>For Horizontal, Add</i>	30.75	
			<i>For Dynamic Damper, Add</i>	46.12	
			<i>For 3 Hour Rated, Add</i>	41.00	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	486.99	88.82
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.73	37.01
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.70	40.68
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.16	44.46
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.44	48.13
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.59	51.80
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.72	55.57
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.46	59.24
<i>For Horizontal, Add</i>	13.44	
<i>For Dynamic Damper, Add</i>	20.16	
<i>For 3 Hour Rated, Add</i>	17.92	
<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.19	62.91
<i>For Horizontal, Add</i>	14.58	
<i>For Dynamic Damper, Add</i>	21.87	
<i>For 3 Hour Rated, Add</i>	19.44	
<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.98	64.80
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.59	66.58
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.46	
<i>For 3 Hour Rated, Add</i>	25.30	
<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.94	70.37
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	379.28	74.04
<i>For Horizontal, Add</i>	23.54	
<i>For Dynamic Damper, Add</i>	35.32	
<i>For 3 Hour Rated, Add</i>	31.39	
<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	402.10	77.70
<i>For Horizontal, Add</i>	25.30	
<i>For Dynamic Damper, Add</i>	37.95	
<i>For 3 Hour Rated, Add</i>	33.73	
<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	431.96	81.48
<i>For Horizontal, Add</i>	28.11	
<i>For Dynamic Damper, Add</i>	42.17	
<i>For 3 Hour Rated, Add</i>	37.48	
<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	459.47	85.15
<i>For Horizontal, Add</i>	30.57	
<i>For Dynamic Damper, Add</i>	45.86	
<i>For 3 Hour Rated, Add</i>	40.76	
<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	486.99	88.82
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	512.14	92.60
<i>For Horizontal, Add</i>	35.14	
<i>For Dynamic Damper, Add</i>	52.71	
<i>For 3 Hour Rated, Add</i>	46.85	
<i>For Damper Blades Outside Air Stream, Add</i>	70.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	537.33	96.26
<i>For Horizontal, Add</i>	37.25	
<i>For Dynamic Damper, Add</i>	55.87	
<i>For 3 Hour Rated, Add</i>	49.66	
<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.95	12.34
<i>For Horizontal, Add</i>	5.09	
<i>For Dynamic Damper, Add</i>	7.64	
<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.07	12.89
<i>For Horizontal, Add</i>	5.31	
<i>For Dynamic Damper, Add</i>	7.96	
<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.76	13.00
<i>For Horizontal, Add</i>	5.53	
<i>For Dynamic Damper, Add</i>	8.29	
<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.76	13.00
<i>For Horizontal, Add</i>	5.53	
<i>For Dynamic Damper, Add</i>	8.29	
<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.35	13.34
<i>For Horizontal, Add</i>	5.75	
<i>For Dynamic Damper, Add</i>	8.62	
<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.71	14.78
<i>For Horizontal, Add</i>	6.19	
<i>For Dynamic Damper, Add</i>	9.28	
<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.35	13.34
<i>For Horizontal, Add</i>	5.75	
<i>For Dynamic Damper, Add</i>	8.62	
<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.49	14.12
<i>For Horizontal, Add</i>	6.19	
<i>For Dynamic Damper, Add</i>	9.28	
<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.18	14.78
<i>For Horizontal, Add</i>	6.41	
<i>For Dynamic Damper, Add</i>	9.61	
<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.20	16.67
<i>For Horizontal, Add</i>	6.63	
<i>For Dynamic Damper, Add</i>	9.94	
<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187 EA 14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.76	14.12
<i>For Horizontal, Add</i>	6.08	
<i>For Dynamic Damper, Add</i>	9.12	
<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188 EA 14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.18	14.78
<i>For Horizontal, Add</i>	6.41	
<i>For Dynamic Damper, Add</i>	9.61	
<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189 EA 14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.87	15.57
<i>For Horizontal, Add</i>	6.63	
<i>For Dynamic Damper, Add</i>	9.94	
<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190 EA 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.66	16.67
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.27	
<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191 EA 14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.88	18.56
<i>For Horizontal, Add</i>	7.40	
<i>For Dynamic Damper, Add</i>	11.09	
<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192 EA 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.12	14.78
<i>For Horizontal, Add</i>	8.95	
<i>For Dynamic Damper, Add</i>	13.42	
<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193 EA 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.10	15.90
<i>For Horizontal, Add</i>	9.20	
<i>For Dynamic Damper, Add</i>	13.79	
<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194 EA 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.20	17.46
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195 EA 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.15	18.56
<i>For Horizontal, Add</i>	9.69	
<i>For Dynamic Damper, Add</i>	14.53	
<i>For 3 Hour Rated, Add</i>	12.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.82	20.34
				<i>For Horizontal, Add</i>	10.30	
				<i>For Dynamic Damper, Add</i>	15.46	
				<i>For 3 Hour Rated, Add</i>	13.74	
	23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.49	22.23
				<i>For Horizontal, Add</i>	10.92	
				<i>For Dynamic Damper, Add</i>	16.38	
				<i>For 3 Hour Rated, Add</i>	14.56	
	23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.99	15.57
				<i>For Horizontal, Add</i>	9.20	
				<i>For Dynamic Damper, Add</i>	13.79	
				<i>For 3 Hour Rated, Add</i>	12.26	
	23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.78	16.67
				<i>For Horizontal, Add</i>	9.56	
				<i>For Dynamic Damper, Add</i>	14.35	
				<i>For 3 Hour Rated, Add</i>	12.75	
	23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.81	18.56
				<i>For Horizontal, Add</i>	9.94	
				<i>For Dynamic Damper, Add</i>	14.90	
				<i>For 3 Hour Rated, Add</i>	13.25	
	23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.46	20.34
				<i>For Horizontal, Add</i>	10.55	
				<i>For Dynamic Damper, Add</i>	15.82	
				<i>For 3 Hour Rated, Add</i>	14.07	
	23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.31	22.23
				<i>For Horizontal, Add</i>	11.04	
				<i>For Dynamic Damper, Add</i>	16.56	
				<i>For 3 Hour Rated, Add</i>	14.72	
	23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.97	24.01
				<i>For Horizontal, Add</i>	11.66	
				<i>For Dynamic Damper, Add</i>	17.48	
				<i>For 3 Hour Rated, Add</i>	15.54	
	23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.98	25.90
				<i>For Horizontal, Add</i>	12.03	
				<i>For Dynamic Damper, Add</i>	18.04	
				<i>For 3 Hour Rated, Add</i>	16.03	
	23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.97	16.67
				<i>For Horizontal, Add</i>	9.44	
				<i>For Dynamic Damper, Add</i>	14.16	
				<i>For 3 Hour Rated, Add</i>	12.59	
	23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.79	18.56
				<i>For Horizontal, Add</i>	9.93	
				<i>For Dynamic Damper, Add</i>	14.90	
				<i>For 3 Hour Rated, Add</i>	13.24	
	23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.64	20.34
				<i>For Horizontal, Add</i>	10.43	
				<i>For Dynamic Damper, Add</i>	15.64	
				<i>For 3 Hour Rated, Add</i>	13.90	
	23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.78	22.23
				<i>For Horizontal, Add</i>	11.41	
				<i>For Dynamic Damper, Add</i>	17.12	
				<i>For 3 Hour Rated, Add</i>	15.22	
	23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.80	24.01
				<i>For Horizontal, Add</i>	11.78	
				<i>For Dynamic Damper, Add</i>	17.67	
				<i>For 3 Hour Rated, Add</i>	15.71	
	23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.80	25.90
				<i>For Horizontal, Add</i>	12.15	
				<i>For Dynamic Damper, Add</i>	18.22	
				<i>For 3 Hour Rated, Add</i>	16.20	
	23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.64	27.79
				<i>For Horizontal, Add</i>	12.64	
				<i>For Dynamic Damper, Add</i>	18.96	
				<i>For 3 Hour Rated, Add</i>	16.85	
	23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.47	29.57
				<i>For Horizontal, Add</i>	13.13	
				<i>For Dynamic Damper, Add</i>	19.70	
				<i>For 3 Hour Rated, Add</i>	17.51	
	23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.87	18.56
				<i>For Horizontal, Add</i>	12.20	
				<i>For Dynamic Damper, Add</i>	18.29	
				<i>For 3 Hour Rated, Add</i>	16.26	
	23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.36	20.34
				<i>For Horizontal, Add</i>	12.93	
				<i>For Dynamic Damper, Add</i>	19.40	
				<i>For 3 Hour Rated, Add</i>	17.25	
	23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.22	22.23
				<i>For Horizontal, Add</i>	13.43	
				<i>For Dynamic Damper, Add</i>	20.14	
				<i>For 3 Hour Rated, Add</i>	17.90	
	23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.68	24.01
				<i>For Horizontal, Add</i>	14.16	
				<i>For Dynamic Damper, Add</i>	21.24	
				<i>For 3 Hour Rated, Add</i>	18.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.70	25.90
			<i>For Horizontal, Add</i>	14.53	
			<i>For Dynamic Damper, Add</i>	21.80	
			<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.71	27.79
			<i>For Horizontal, Add</i>	14.90	
			<i>For Dynamic Damper, Add</i>	22.35	
			<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.19	29.57
			<i>For Horizontal, Add</i>	15.64	
			<i>For Dynamic Damper, Add</i>	23.46	
			<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.22	33.34
			<i>For Horizontal, Add</i>	16.38	
			<i>For Dynamic Damper, Add</i>	24.57	
			<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.90	37.01
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.36	20.34
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.22	22.23
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.68	24.01
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.51	25.90
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.18	27.79
			<i>For Horizontal, Add</i>	15.27	
			<i>For Dynamic Damper, Add</i>	22.91	
			<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.82	29.57
			<i>For Horizontal, Add</i>	15.88	
			<i>For Dynamic Damper, Add</i>	23.83	
			<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.86	33.34
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.90	37.01
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.30	38.90
			<i>For Horizontal, Add</i>	18.84	
			<i>For Dynamic Damper, Add</i>	28.26	
			<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.61	42.57
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.12	22.23
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.31	24.01
			<i>For Horizontal, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	21.61	
			<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.51	25.90
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.34	27.79
			<i>For Horizontal, Add</i>	15.15	
			<i>For Dynamic Damper, Add</i>	22.72	
			<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.13	29.57
			<i>For Horizontal, Add</i>	15.93	
			<i>For Dynamic Damper, Add</i>	23.90	
			<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.86	33.34
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0238	EA			32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.55	37.01
				For Horizontal, Add	17.61	
				For Dynamic Damper, Add	26.41	
				For 3 Hour Rated, Add	23.48	
23 33 13 16-0239	EA			32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.22	40.68
				For Horizontal, Add	18.59	
				For Dynamic Damper, Add	27.89	
				For 3 Hour Rated, Add	24.79	
23 33 13 16-0240	EA			32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.61	42.57
				For Horizontal, Add	20.07	
				For Dynamic Damper, Add	30.10	
				For 3 Hour Rated, Add	26.76	
23 33 13 16-0241	EA			32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.98	45.57
				For Horizontal, Add	21.79	
				For Dynamic Damper, Add	32.68	
				For 3 Hour Rated, Add	29.05	
23 33 13 16-0242	EA			32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.88	48.13
				For Horizontal, Add	23.76	
				For Dynamic Damper, Add	35.64	
				For 3 Hour Rated, Add	31.68	
23 33 13 16-0243	EA			36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.04	24.01
				For Horizontal, Add	16.17	
				For Dynamic Damper, Add	24.25	
				For 3 Hour Rated, Add	21.56	
23 33 13 16-0244	EA			36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.32	25.90
				For Horizontal, Add	16.73	
				For Dynamic Damper, Add	25.09	
				For 3 Hour Rated, Add	22.30	
23 33 13 16-0245	EA			36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.63	27.79
				For Horizontal, Add	17.29	
				For Dynamic Damper, Add	25.93	
				For 3 Hour Rated, Add	23.05	
23 33 13 16-0246	EA			36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.82	29.57
				For Horizontal, Add	18.13	
				For Dynamic Damper, Add	27.20	
				For 3 Hour Rated, Add	24.18	
23 33 13 16-0247	EA			36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.75	33.34
				For Horizontal, Add	18.56	
				For Dynamic Damper, Add	27.83	
				For 3 Hour Rated, Add	24.74	
23 33 13 16-0248	EA			36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.13	35.12
				For Horizontal, Add	18.98	
				For Dynamic Damper, Add	28.47	
				For 3 Hour Rated, Add	25.31	
23 33 13 16-0249	EA			36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.17	40.68
				For Horizontal, Add	20.39	
				For Dynamic Damper, Add	30.58	
				For 3 Hour Rated, Add	27.18	
23 33 13 16-0250	EA			36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.65	44.46
				For Horizontal, Add	21.79	
				For Dynamic Damper, Add	32.68	
				For 3 Hour Rated, Add	29.05	
23 33 13 16-0251	EA			36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.34	45.91
				For Horizontal, Add	23.48	
				For Dynamic Damper, Add	35.21	
				For 3 Hour Rated, Add	31.30	
23 33 13 16-0252	EA			36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.33	49.24
				For Horizontal, Add	25.72	
				For Dynamic Damper, Add	38.59	
				For 3 Hour Rated, Add	34.30	
23 33 13 16-0253	EA			36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.22	51.80
				For Horizontal, Add	27.69	
				For Dynamic Damper, Add	41.54	
				For 3 Hour Rated, Add	36.92	
23 33 13 16-0254	EA			36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.78	53.68
				For Horizontal, Add	29.94	
				For Dynamic Damper, Add	44.91	
				For 3 Hour Rated, Add	39.92	
23 33 13 16-0255	EA			40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.89	27.79
				For Horizontal, Add	18.46	
				For Dynamic Damper, Add	27.69	
				For 3 Hour Rated, Add	24.62	
23 33 13 16-0256	EA			40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.95	29.57
				For Horizontal, Add	19.59	
				For Dynamic Damper, Add	29.38	
				For 3 Hour Rated, Add	26.12	
23 33 13 16-0257	EA			40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.38	31.46
				For Horizontal, Add	19.87	
				For Dynamic Damper, Add	29.80	
				For 3 Hour Rated, Add	26.49	
23 33 13 16-0258	EA			40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.82	33.34
				For Horizontal, Add	20.15	
				For Dynamic Damper, Add	30.22	
				For 3 Hour Rated, Add	26.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	246.49	35.12
		<i>For Horizontal, Add</i>		21.13	
		<i>For Dynamic Damper, Add</i>		31.70	
		<i>For 3 Hour Rated, Add</i>		28.18	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	258.61	37.01
		<i>For Horizontal, Add</i>		22.12	
		<i>For Dynamic Damper, Add</i>		33.18	
		<i>For 3 Hour Rated, Add</i>		29.49	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	282.78	42.57
		<i>For Horizontal, Add</i>		23.24	
		<i>For Dynamic Damper, Add</i>		34.86	
		<i>For 3 Hour Rated, Add</i>		30.99	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	301.39	46.24
		<i>For Horizontal, Add</i>		24.37	
		<i>For Dynamic Damper, Add</i>		36.55	
		<i>For 3 Hour Rated, Add</i>		32.49	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	321.53	49.24
		<i>For Horizontal, Add</i>		26.05	
		<i>For Dynamic Damper, Add</i>		39.08	
		<i>For 3 Hour Rated, Add</i>		34.74	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	349.92	51.80
		<i>For Horizontal, Add</i>		29.15	
		<i>For Dynamic Damper, Add</i>		43.72	
		<i>For 3 Hour Rated, Add</i>		38.86	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	370.05	54.80
		<i>For Horizontal, Add</i>		30.83	
		<i>For Dynamic Damper, Add</i>		46.25	
		<i>For 3 Hour Rated, Add</i>		41.11	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	395.12	56.25
		<i>For Horizontal, Add</i>		33.92	
		<i>For Dynamic Damper, Add</i>		50.89	
		<i>For 3 Hour Rated, Add</i>		45.23	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	422.75	59.24
		<i>For Horizontal, Add</i>		36.74	
		<i>For Dynamic Damper, Add</i>		55.10	
		<i>For 3 Hour Rated, Add</i>		48.98	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	210.20	27.79
		<i>For Horizontal, Add</i>		19.02	
		<i>For Dynamic Damper, Add</i>		28.54	
		<i>For 3 Hour Rated, Add</i>		25.37	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	223.26	29.57
		<i>For Horizontal, Add</i>		20.15	
		<i>For Dynamic Damper, Add</i>		30.22	
		<i>For 3 Hour Rated, Add</i>		26.87	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	234.45	31.46
		<i>For Horizontal, Add</i>		20.99	
		<i>For Dynamic Damper, Add</i>		31.49	
		<i>For 3 Hour Rated, Add</i>		27.99	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	241.87	33.34
		<i>For Horizontal, Add</i>		21.27	
		<i>For Dynamic Damper, Add</i>		31.91	
		<i>For 3 Hour Rated, Add</i>		28.37	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	254.93	35.12
		<i>For Horizontal, Add</i>		22.40	
		<i>For Dynamic Damper, Add</i>		33.60	
		<i>For 3 Hour Rated, Add</i>		29.87	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	267.99	37.01
		<i>For Horizontal, Add</i>		23.52	
		<i>For Dynamic Damper, Add</i>		35.29	
		<i>For 3 Hour Rated, Add</i>		31.37	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	299.59	44.46
		<i>For Horizontal, Add</i>		24.93	
		<i>For Dynamic Damper, Add</i>		37.40	
		<i>For 3 Hour Rated, Add</i>		33.24	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	320.06	48.13
		<i>For Horizontal, Add</i>		26.33	
		<i>For Dynamic Damper, Add</i>		39.50	
		<i>For 3 Hour Rated, Add</i>		35.11	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	349.92	51.80
		<i>For Horizontal, Add</i>		29.15	
		<i>For Dynamic Damper, Add</i>		43.72	
		<i>For 3 Hour Rated, Add</i>		38.86	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	377.90	55.57
		<i>For Horizontal, Add</i>		31.68	
		<i>For Dynamic Damper, Add</i>		47.51	
		<i>For 3 Hour Rated, Add</i>		42.23	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	407.75	59.24
		<i>For Horizontal, Add</i>		34.49	
		<i>For Dynamic Damper, Add</i>		51.73	
		<i>For 3 Hour Rated, Add</i>		45.98	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	.....	430.17	61.02
		<i>For Horizontal, Add</i>		37.02	
		<i>For Dynamic Damper, Add</i>		55.52	
		<i>For 3 Hour Rated, Add</i>		49.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0280 EA 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	452.61	62.91
For Horizontal, Add	39.55	
For Dynamic Damper, Add	59.32	
For 3 Hour Rated, Add	52.73	
23 33 13 16-0281 EA 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.05	64.80
For Horizontal, Add	42.08	
For Dynamic Damper, Add	63.12	
For 3 Hour Rated, Add	56.10	
23 33 13 16-0282 EA 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.38	29.57
For Horizontal, Add	19.87	
For Dynamic Damper, Add	29.80	
For 3 Hour Rated, Add	26.49	
23 33 13 16-0283 EA 48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.45	31.46
For Horizontal, Add	20.99	
For Dynamic Damper, Add	31.49	
For 3 Hour Rated, Add	27.99	
23 33 13 16-0284 EA 48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.87	33.34
For Horizontal, Add	21.27	
For Dynamic Damper, Add	31.91	
For 3 Hour Rated, Add	28.37	
23 33 13 16-0285 EA 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.61	37.01
For Horizontal, Add	22.12	
For Dynamic Damper, Add	33.18	
For 3 Hour Rated, Add	29.49	
23 33 13 16-0286 EA 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.22	40.68
For Horizontal, Add	23.24	
For Dynamic Damper, Add	34.86	
For 3 Hour Rated, Add	30.99	
23 33 13 16-0287 EA 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.83	44.46
For Horizontal, Add	24.37	
For Dynamic Damper, Add	36.55	
For 3 Hour Rated, Add	32.49	
23 33 13 16-0288 EA 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.19	48.13
For Horizontal, Add	26.05	
For Dynamic Damper, Add	39.08	
For 3 Hour Rated, Add	34.74	
23 33 13 16-0289 EA 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.55	51.80
For Horizontal, Add	27.74	
For Dynamic Damper, Add	41.61	
For 3 Hour Rated, Add	36.99	
23 33 13 16-0290 EA 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.53	55.57
For Horizontal, Add	30.27	
For Dynamic Damper, Add	45.41	
For 3 Hour Rated, Add	40.36	
23 33 13 16-0291 EA 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.25	59.24
For Horizontal, Add	33.36	
For Dynamic Damper, Add	50.04	
For 3 Hour Rated, Add	44.48	
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.69	61.02
For Horizontal, Add	35.89	
For Dynamic Damper, Add	53.84	
For 3 Hour Rated, Add	47.86	
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.73	62.91
For Horizontal, Add	39.26	
For Dynamic Damper, Add	58.90	
For 3 Hour Rated, Add	52.35	
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.73	66.58
For Horizontal, Add	41.80	
For Dynamic Damper, Add	62.69	
For 3 Hour Rated, Add	55.73	
23 33 13 16-0295 EA 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.77	68.48
For Horizontal, Add	45.17	
For Dynamic Damper, Add	67.75	
For 3 Hour Rated, Add	60.23	
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.44	74.04
For Horizontal, Add	47.42	
For Dynamic Damper, Add	71.13	
For 3 Hour Rated, Add	63.22	
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.57	31.46
For Horizontal, Add	20.71	
For Dynamic Damper, Add	31.07	
For 3 Hour Rated, Add	27.62	
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.62	33.34
For Horizontal, Add	21.84	
For Dynamic Damper, Add	32.76	
For 3 Hour Rated, Add	29.12	
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.24	37.01
For Horizontal, Add	22.96	
For Dynamic Damper, Add	34.44	
For 3 Hour Rated, Add	30.62	
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.22	40.68
For Horizontal, Add	23.24	
For Dynamic Damper, Add	34.86	
For 3 Hour Rated, Add	30.99	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.78	44.46
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.31	48.13
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.68	51.80
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.03	55.57
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.02	59.24
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.62	62.91
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.92	64.80
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.85	66.58
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.44	70.37
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.44	74.04
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.59	79.59
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.45	83.26
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.87	33.34
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.35	37.01
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.10	40.68
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.08	44.46
			<i>For Horizontal, Add</i>	23.80	
			<i>For Dynamic Damper, Add</i>	35.71	
			<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.51	48.13
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.93	51.80
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.35	55.57
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.77	59.24
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.37	62.91
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0322 EA 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	439.43	64.80
<i>For Horizontal, Add</i>	36.74	
<i>For Dynamic Damper, Add</i>	55.10	
<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323 EA 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	465.60	66.58
<i>For Horizontal, Add</i>	39.83	
<i>For Dynamic Damper, Add</i>	59.74	
<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324 EA 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	502.96	70.37
<i>For Horizontal, Add</i>	43.76	
<i>For Dynamic Damper, Add</i>	65.65	
<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325 EA 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	536.56	74.04
<i>For Horizontal, Add</i>	47.14	
<i>For Dynamic Damper, Add</i>	70.70	
<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326 EA 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	572.03	77.70
<i>For Horizontal, Add</i>	50.79	
<i>For Dynamic Damper, Add</i>	76.19	
<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327 EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	601.90	81.48
<i>For Horizontal, Add</i>	53.60	
<i>For Dynamic Damper, Add</i>	80.40	
<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328 EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	637.37	85.15
<i>For Horizontal, Add</i>	57.26	
<i>For Dynamic Damper, Add</i>	85.88	
<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	672.85	88.82
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.61	37.01
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.10	40.68
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.95	44.46
<i>For Horizontal, Add</i>	24.08	
<i>For Dynamic Damper, Add</i>	36.13	
<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.94	48.13
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.31	51.80
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	351.66	55.57
<i>For Horizontal, Add</i>	27.74	
<i>For Dynamic Damper, Add</i>	41.61	
<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.96	59.24
<i>For Horizontal, Add</i>	29.57	
<i>For Dynamic Damper, Add</i>	44.35	
<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	398.26	62.91
<i>For Horizontal, Add</i>	31.39	
<i>For Dynamic Damper, Add</i>	47.09	
<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	428.18	64.80
<i>For Horizontal, Add</i>	35.05	
<i>For Dynamic Damper, Add</i>	52.57	
<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	456.23	66.58
<i>For Horizontal, Add</i>	38.42	
<i>For Dynamic Damper, Add</i>	57.63	
<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	491.72	70.37
<i>For Horizontal, Add</i>	42.08	
<i>For Dynamic Damper, Add</i>	63.12	
<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	527.20	74.04
<i>For Horizontal, Add</i>	45.73	
<i>For Dynamic Damper, Add</i>	68.60	
<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	557.05	77.70
<i>For Horizontal, Add</i>	48.54	
<i>For Dynamic Damper, Add</i>	72.81	
<i>For 3 Hour Rated, Add</i>	64.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.15	81.48
For Horizontal, Add	53.04	
For Dynamic Damper, Add	79.56	
For 3 Hour Rated, Add	70.72	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.49	85.15
For Horizontal, Add	56.97	
For Dynamic Damper, Add	85.46	
For 3 Hour Rated, Add	75.97	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.85	88.82
For Horizontal, Add	60.91	
For Dynamic Damper, Add	91.37	
For 3 Hour Rated, Add	81.21	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.44	92.60
For Horizontal, Add	64.28	
For Dynamic Damper, Add	96.42	
For 3 Hour Rated, Add	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.07	96.26
For Horizontal, Add	67.66	
For Dynamic Damper, Add	101.49	
For 3 Hour Rated, Add	90.21	
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	60.41	22.23
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	61.55	22.23
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	71.05	25.23
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	72.29	25.23
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	82.92	27.79
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	86.34	27.79
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	95.95	30.90
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	107.86	34.79
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	122.92	39.69
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper	68.40	25.23
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	71.51	25.23
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	79.70	27.79
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	83.72	27.79
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	93.92	30.90
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	96.37	30.90
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	107.93	34.79
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	121.37	39.69
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	141.59	46.35
23 33 13 19 Smoke-Control Dampers (23 33 13)		
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.21	18.51
For 3 Hour Rated, Add	10.94	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.06	19.35
For 3 Hour Rated, Add	11.21	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.74	19.51
For 3 Hour Rated, Add	11.48	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.74	19.51
For 3 Hour Rated, Add	11.48	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.75	20.01
For 3 Hour Rated, Add	11.74	
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.12	22.18
For 3 Hour Rated, Add	12.28	
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.75	20.01
For 3 Hour Rated, Add	11.74	
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.78	21.17
For 3 Hour Rated, Add	12.28	
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.46	22.18
For 3 Hour Rated, Add	12.55	
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.14	25.01
For 3 Hour Rated, Add	12.82	
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	124.11	21.17
For 3 Hour Rated, Add	12.15	
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.46	22.18
For 3 Hour Rated, Add	12.55	
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.14	23.35
For 3 Hour Rated, Add	12.82	
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.50	25.01
For 3 Hour Rated, Add	13.09	
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.20	27.85
For 3 Hour Rated, Add	13.77	
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.73	22.18
For 3 Hour Rated, Add	22.41	
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.07	23.85
For 3 Hour Rated, Add	22.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	193.10 22.95	26.18
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	199.43 23.21	27.85
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	211.14 23.89	30.51
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	222.85 24.56	33.34
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	183.41 22.68	23.35
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	190.42 23.08	25.01
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	200.80 23.49	27.85
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	212.49 24.16	30.51
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	223.52 24.70	33.34
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	235.22 25.37	36.02
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	245.59 25.77	38.85
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	189.76 22.95	25.01
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	200.79 23.48	27.85
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	211.81 24.02	30.51
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	225.55 25.10	33.34
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	235.90 25.51	36.02
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	246.27 25.91	38.85
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	257.29 26.45	41.69
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	268.32 26.99	44.35
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	255.87 34.50	27.85
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	268.25 35.31	30.51
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	279.30 35.85	33.34
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	291.66 36.66	36.02
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	302.03 37.06	38.85
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	312.38 37.47	41.69
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	324.76 38.27	44.35
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	345.47 39.08	50.02
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	367.53 40.16	55.52
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	268.25 35.31	30.51
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	279.30 35.85	33.34
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	291.66 36.66	36.02
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	302.70 37.20	38.85
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	314.40 37.87	41.69
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	326.10 38.54	44.35
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	346.81 39.35	50.02
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	367.53 40.16	55.52
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	383.95 41.78	58.36
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	407.36 43.12	63.86
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	283.33 36.66	33.34
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	293.00 36.93	36.02
23 33 13 19-0059 EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	302.70 37.20	38.85
23 33 13 19-0060 EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	313.72 37.73	41.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....326.35 <i>For 3 Hour Rated, Add</i> 38.59	326.35	44.35
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....346.81 <i>For 3 Hour Rated, Add</i> 39.35	346.81	50.02
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....368.88 <i>For 3 Hour Rated, Add</i> 40.43	368.88	55.52
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....390.94 <i>For 3 Hour Rated, Add</i> 41.51	390.94	61.02
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....407.36 <i>For 3 Hour Rated, Add</i> 43.12	407.36	63.86
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....430.13 <i>For 3 Hour Rated, Add</i> 45.01	430.13	68.36
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....452.58 <i>For 3 Hour Rated, Add</i> 47.16	452.58	72.20
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....299.92 <i>For 3 Hour Rated, Add</i> 38.31	299.92	36.02
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....311.19 <i>For 3 Hour Rated, Add</i> 38.89	311.19	38.85
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....322.44 <i>For 3 Hour Rated, Add</i> 39.48	322.44	41.69
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....335.18 <i>For 3 Hour Rated, Add</i> 40.36	335.18	44.35
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....354.06 <i>For 3 Hour Rated, Add</i> 40.80	354.06	50.02
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....364.59 <i>For 3 Hour Rated, Add</i> 41.24	364.59	52.69
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....396.92 <i>For 3 Hour Rated, Add</i> 42.70	396.92	61.02
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....420.92 <i>For 3 Hour Rated, Add</i> 44.17	420.92	66.70
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....436.36 <i>For 3 Hour Rated, Add</i> 45.92	436.36	68.86
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....463.08 <i>For 3 Hour Rated, Add</i> 48.27	463.08	73.86
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....485.00 <i>For 3 Hour Rated, Add</i> 50.31	485.00	77.70
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....505.04 <i>For 3 Hour Rated, Add</i> 52.66	505.04	80.54
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....358.99 <i>For 3 Hour Rated, Add</i> 48.45	358.99	41.69
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....373.17 <i>For 3 Hour Rated, Add</i> 49.62	373.17	44.35
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....382.98 <i>For 3 Hour Rated, Add</i> 49.92	382.98	47.18
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....392.79 <i>For 3 Hour Rated, Add</i> 50.21	392.79	50.02
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....414.58 <i>For 3 Hour Rated, Add</i> 51.24	414.58	52.69
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....428.04 <i>For 3 Hour Rated, Add</i> 52.26	428.04	55.52
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....458.92 <i>For 3 Hour Rated, Add</i> 53.43	458.92	63.86
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....481.44 <i>For 3 Hour Rated, Add</i> 54.60	481.44	69.36
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....503.56 <i>For 3 Hour Rated, Add</i> 56.36	503.56	73.86
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....531.34 <i>For 3 Hour Rated, Add</i> 59.58	531.34	77.70
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....553.46 <i>For 3 Hour Rated, Add</i> 61.34	553.46	82.21
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....576.24 <i>For 3 Hour Rated, Add</i> 64.56	576.24	84.37
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....604.23 <i>For 3 Hour Rated, Add</i> 67.49	604.23	88.87
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....370.25 <i>For 3 Hour Rated, Add</i> 49.04	370.25	41.69
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....384.45 <i>For 3 Hour Rated, Add</i> 50.21	384.45	44.35
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....397.18 <i>For 3 Hour Rated, Add</i> 51.09	397.18	47.18
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....406.98 <i>For 3 Hour Rated, Add</i> 51.38	406.98	50.02
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....421.18 <i>For 3 Hour Rated, Add</i> 52.56	421.18	52.69
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....435.36 <i>For 3 Hour Rated, Add</i> 53.73	435.36	55.52
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....476.05 <i>For 3 Hour Rated, Add</i> 55.19	476.05	66.70
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....500.03 <i>For 3 Hour Rated, Add</i> 56.65	500.03	72.20
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....531.34 <i>For 3 Hour Rated, Add</i> 59.58	531.34	77.70
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....561.19 <i>For 3 Hour Rated, Add</i> 62.22	561.19	83.37



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	592.50 65.14	88.87
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	614.02 67.78	91.54
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	635.53 70.42	94.38
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	657.06 73.05	97.21
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	382.98 49.92	44.35
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	397.18 51.09	47.18
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	406.98 51.38	50.02
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	428.04 52.26	55.52
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	450.57 53.43	61.02
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	473.11 54.60	66.70
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	498.57 56.36	72.20
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	524.02 58.12	77.70
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	553.87 60.75	83.37
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	586.64 63.97	88.87
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	608.18 66.61	91.54
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	634.06 70.12	94.38
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	663.92 72.76	99.87
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	689.83 76.27	102.71
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	726.56 78.62	111.05
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	395.71 50.80	47.18
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	409.90 51.97	50.02
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	432.43 53.14	55.52
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	450.57 53.43	61.02
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	473.85 54.75	66.70
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	497.11 56.07	72.20
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	522.56 57.83	77.70
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	548.01 59.58	83.37
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	577.87 62.22	88.87
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	612.11 65.73	94.38
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	635.08 68.66	97.21
23 33 13 19-0133 EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	662.46 72.47	99.87
23 33 13 19-0134 EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	696.69 75.98	105.54
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	726.56 78.62	111.05
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	769.12 82.13	119.38
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	800.44 85.06	124.89
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	406.98 51.38	50.02
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	430.96 52.85	55.52
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	452.03 53.73	61.02
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	470.18 54.02	66.70
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	494.91 55.63	72.20
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	519.63 57.24	77.70
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	544.35 58.85	83.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....569.08 <i>For 3 Hour Rated, Add</i>	60.46	88.87
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....603.31 <i>For 3 Hour Rated, Add</i>	63.97	94.38
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....629.24 <i>For 3 Hour Rated, Add</i>	67.49	97.21
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....653.66 <i>For 3 Hour Rated, Add</i>	70.71	99.87
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....690.84 <i>For 3 Hour Rated, Add</i>	74.81	105.54
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....725.09 <i>For 3 Hour Rated, Add</i>	78.32	111.05
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....760.79 <i>For 3 Hour Rated, Add</i>	82.13	116.55
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....792.11 <i>For 3 Hour Rated, Add</i>	85.06	122.21
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....827.81 <i>For 3 Hour Rated, Add</i>	88.86	127.72
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....863.51 <i>For 3 Hour Rated, Add</i>	92.67	133.22
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....428.04 <i>For 3 Hour Rated, Add</i>	52.26	55.52
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....452.03 <i>For 3 Hour Rated, Add</i>	53.73	61.02
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....471.65 <i>For 3 Hour Rated, Add</i>	54.31	66.70
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....489.78 <i>For 3 Hour Rated, Add</i>	54.60	72.20
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....515.24 <i>For 3 Hour Rated, Add</i>	56.36	77.70
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....540.69 <i>For 3 Hour Rated, Add</i>	58.12	83.37
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....566.88 <i>For 3 Hour Rated, Add</i>	60.02	88.87
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....593.08 <i>For 3 Hour Rated, Add</i>	61.93	94.38
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....620.45 <i>For 3 Hour Rated, Add</i>	65.73	97.21
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....646.34 <i>For 3 Hour Rated, Add</i>	69.24	99.87
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....682.07 <i>For 3 Hour Rated, Add</i>	73.05	105.54
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....717.78 <i>For 3 Hour Rated, Add</i>	76.86	111.05
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....749.09 <i>For 3 Hour Rated, Add</i>	79.79	116.55
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....789.18 <i>For 3 Hour Rated, Add</i>	84.47	122.21
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....826.35 <i>For 3 Hour Rated, Add</i>	88.57	127.72
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....863.51 <i>For 3 Hour Rated, Add</i>	92.67	133.22
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....897.75 <i>For 3 Hour Rated, Add</i>	96.18	138.90
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....932.01 <i>For 3 Hour Rated, Add</i>	99.70	144.39
23 33 13 19-0173			Smoke Damper <small>(23 33 13 19)</small>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....85.58 <i>For Dynamic Damper, Add</i>	10.93	12.34
			<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....88.47 <i>For Dynamic Damper, Add</i>	11.20	12.89
			<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....89.93 <i>For Dynamic Damper, Add</i>	11.48	13.00
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....89.93 <i>For Dynamic Damper, Add</i>	11.48	13.00
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....92.28 <i>For Dynamic Damper, Add</i>	11.76	13.34
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....99.17 <i>For Dynamic Damper, Add</i>	12.31	14.78
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....92.28 <i>For Dynamic Damper, Add</i>	11.76	13.34
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....96.95 <i>For Dynamic Damper, Add</i>	12.31	14.12
			<i>For 3 Hour Rated, Add</i>	10.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0182 EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	100.41 12.59 11.19	14.78
23 33 13 19-0183 EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	107.19 12.86 11.43	16.67
23 33 13 19-0184 EA 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	96.34 12.17 10.82	14.12
23 33 13 19-0185 EA 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	100.41 12.59 11.19	14.78
23 33 13 19-0186 EA 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	103.86 12.86 11.43	15.57
23 33 13 19-0187 EA 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	108.43 13.14 11.68	16.67
23 33 13 19-0188 EA 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	117.05 13.83 12.30	18.56
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	145.19 22.66 20.15	14.78
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	149.76 22.94 20.39	15.90
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	155.44 23.22 20.64	17.46
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	159.98 23.49 20.88	18.56
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	168.63 24.19 21.50	20.34
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	177.27 24.88 22.11	22.23
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	148.65 22.94 20.39	15.57
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	153.82 23.36 20.76	16.67
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	161.23 23.77 21.13	18.56
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	169.86 24.46 21.75	20.34
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	177.88 25.02 22.24	22.23
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	186.52 25.71 22.85	24.01
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	193.92 26.12 23.22	25.90
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	153.21 23.22 20.64	16.67
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	161.22 23.77 21.13	18.56
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	169.24 24.32 21.62	20.34
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.74 25.43 22.61	22.23
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	187.14 25.85 22.98	24.01
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	194.54 26.26 23.35	25.90
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	202.55 26.82 23.84	27.79
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	210.57 27.37 24.33	29.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	198.27 32.11 28.54	18.56
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.53 32.94 29.28	20.34
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	215.57 33.50 29.77	22.23
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.82 34.33 30.51	24.01
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.21 34.74 30.88	25.90
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	239.61 35.15 31.25	27.79
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	248.86 35.98 31.99	29.57
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	263.66 36.81 32.72	33.34
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	279.70 37.92 33.71	37.01
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	207.53 32.94 29.28	20.34
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	215.57 33.50 29.77	22.23
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.82 34.33 30.51	24.01
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.82 34.88 31.00	25.90
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	241.45 35.57 31.62	27.79
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	250.08 36.26 32.23	29.57
23 33 13 19-0225 EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.88 37.09 32.97	33.34
23 33 13 19-0226 EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	279.70 37.92 33.71	37.01
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	292.64 39.58 35.18	38.90
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	309.90 40.97 36.41	42.57
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	219.26 34.33 30.51	22.23
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	226.03 34.60 30.75	24.01
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.82 34.88 31.00	25.90
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	240.83 35.43 31.49	27.79
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	250.32 36.31 32.28	29.57
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.88 37.09 32.97	33.34
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	280.93 38.20 33.95	37.01
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	296.97 39.31 34.94	40.68
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	309.90 40.97 36.41	42.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	327.41 42.91 38.14	45.57
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	345.02 45.12 40.10	48.13
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	230.61 35.63 31.67	24.01
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.73 36.21 32.18	25.90
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	246.86 36.79 32.70	27.79
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	256.29 37.66 33.47	29.57
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	269.35 38.09 33.86	33.34
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.84 38.53 34.25	35.12
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.95 39.98 35.54	40.68
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	317.50 41.42 36.82	44.46
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	329.68 43.17 38.37	45.91
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	349.99 45.48 40.43	49.24
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	366.79 47.51 42.23	51.80
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	382.66 49.83 44.30	53.68
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.31 41.96 37.30	27.79
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.02 43.12 38.33	29.57
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	281.87 43.41 38.59	31.46
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.72 43.70 38.85	33.34
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.35 44.72 39.75	35.12
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	314.42 45.73 40.65	37.01
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.24 46.89 41.68	42.57
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	352.52 48.05 42.71	46.24
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.14 49.79 44.26	49.24
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	391.09 52.98 47.09	51.80
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	407.70 54.72 48.64	54.80
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	426.33 57.91 51.47	56.25
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	448.11 60.81 54.05	59.24
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.45 42.54 37.82	27.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.16	29.57
			<i>For Dynamic Damper, Add</i>	43.70	
			<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.60	31.46
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.44	33.34
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.15	35.12
			<i>For Dynamic Damper, Add</i>	46.02	
			<i>For 3 Hour Rated, Add</i>	40.91	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.86	37.01
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.54	44.46
			<i>For Dynamic Damper, Add</i>	48.63	
			<i>For 3 Hour Rated, Add</i>	43.23	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.08	48.13
			<i>For Dynamic Damper, Add</i>	50.08	
			<i>For 3 Hour Rated, Add</i>	44.52	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.09	51.80
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.80	55.57
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.79	59.24
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.94	61.02
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.11	62.91
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.27	64.80
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.87	29.57
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.60	31.46
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.44	33.34
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.42	37.01
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.68	40.68
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.96	44.46
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.80	48.13
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.64	51.80
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.35	55.57
			<i>For Dynamic Damper, Add</i>	54.14	
			<i>For 3 Hour Rated, Add</i>	48.12	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.64	59.24
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.80	61.02
			<i>For Dynamic Damper, Add</i>	59.94	
			<i>For 3 Hour Rated, Add</i>	53.28	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.82	62.91
			<i>For Dynamic Damper, Add</i>	63.42	
			<i>For 3 Hour Rated, Add</i>	56.37	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.54	66.58
			<i>For Dynamic Damper, Add</i>	66.03	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.55	68.48
			<i>For Dynamic Damper, Add</i>	69.50	
			<i>For 3 Hour Rated, Add</i>	61.78	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.54	74.04
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.31 44.28 39.36	31.46
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.01 45.44 40.39	33.34
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.28 46.60 41.42	37.01
23 33 13 19-0297 EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.68 46.89 41.68	40.68
23 33 13 19-0298 EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.61 48.20 42.84	44.46
23 33 13 19-0299 EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	364.51 49.50 44.00	48.13
23 33 13 19-0300 EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.36 51.24 45.55	51.80
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.20 52.98 47.09	55.57
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	424.92 55.59 49.41	59.24
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	451.49 59.07 52.50	62.91
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	469.93 61.97 55.08	64.80
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	492.25 65.74 58.43	66.58
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	518.81 69.21 61.52	70.37
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.54 71.82 63.84	74.04
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	573.67 75.30 66.94	79.59
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	597.67 78.20 69.51	83.26
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.44 44.87 39.88	33.34
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	316.99 46.31 41.17	37.01
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.97 47.18 41.94	40.68
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	344.37 47.47 42.20	44.46
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	362.58 49.07 43.62	48.13
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	380.78 50.66 45.03	51.80
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	398.98 52.26 46.45	55.57
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	417.18 53.85 47.87	59.24
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	443.76 57.33 50.96	62.91
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	464.79 60.81 54.05	64.80
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	484.52 64.00 56.89	66.58
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	513.67 68.06 60.49	70.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.25	74.04
			<i>For Dynamic Damper, Add</i>	71.53	
			<i>For 3 Hour Rated, Add</i>	63.59	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.11	77.70
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.12	81.48
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.98	85.15
			<i>For Dynamic Damper, Add</i>	81.97	
			<i>For 3 Hour Rated, Add</i>	72.86	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.85	88.82
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.42	37.01
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.97	40.68
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.66	44.46
			<i>For Dynamic Damper, Add</i>	47.76	
			<i>For 3 Hour Rated, Add</i>	42.45	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.07	48.13
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.92	51.80
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.75	55.57
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.25	59.24
			<i>For Dynamic Damper, Add</i>	53.42	
			<i>For 3 Hour Rated, Add</i>	47.48	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.74	62.91
			<i>For Dynamic Damper, Add</i>	55.30	
			<i>For 3 Hour Rated, Add</i>	49.15	
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.05	64.80
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.07	66.58
			<i>For Dynamic Damper, Add</i>	62.55	
			<i>For 3 Hour Rated, Add</i>	55.60	
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.94	70.37
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.81	74.04
			<i>For Dynamic Damper, Add</i>	70.09	
			<i>For 3 Hour Rated, Add</i>	62.30	
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	557.80	77.70
			<i>For Dynamic Damper, Add</i>	72.98	
			<i>For 3 Hour Rated, Add</i>	64.87	
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.53	81.48
			<i>For Dynamic Damper, Add</i>	77.62	
			<i>For 3 Hour Rated, Add</i>	69.00	
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.68	85.15
			<i>For Dynamic Damper, Add</i>	81.68	
			<i>For 3 Hour Rated, Add</i>	72.60	
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.85	88.82
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.40	92.60
			<i>For Dynamic Damper, Add</i>	89.21	
			<i>For 3 Hour Rated, Add</i>	79.30	
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.00	96.26
			<i>For Dynamic Damper, Add</i>	92.70	
			<i>For 3 Hour Rated, Add</i>	82.40	

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	59.46	12.34
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	68.60	12.89
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	78.80	13.00
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	76.31	13.00
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	74.46	13.34
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	87.51	14.78
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	71.02	13.34
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	85.79	14.78
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	84.31	15.57
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	95.17	16.67



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0012	EA			14" x 6" Horizontally Mounted Backdraft Damper.....	78.40	14.12
23 33 13 23-0013	EA			14" x 8" Horizontally Mounted Backdraft Damper.....	81.80	15.57
23 33 13 23-0014	EA			14" x 10" Horizontally Mounted Backdraft Damper.....	93.92	16.67
23 33 13 23-0015	EA			14" x 12" Horizontally Mounted Backdraft Damper.....	89.34	18.56
23 33 13 23-0016	EA			14" x 14" Horizontally Mounted Backdraft Damper.....	100.53	20.34
23 33 13 23-0017	EA			16" x 6" Horizontally Mounted Backdraft Damper.....	85.79	14.78
23 33 13 23-0018	EA			16" x 8" Horizontally Mounted Backdraft Damper.....	90.15	16.67
23 33 13 23-0019	EA			16" x 10" Horizontally Mounted Backdraft Damper.....	87.73	18.56
23 33 13 23-0020	EA			16" x 12" Horizontally Mounted Backdraft Damper.....	94.16	18.56
23 33 13 23-0021	EA			16" x 14" Horizontally Mounted Backdraft Damper.....	106.15	20.34
23 33 13 23-0022	EA			16" x 16" Horizontally Mounted Backdraft Damper.....	118.15	22.23
23 33 13 23-0023	EA			18" x 6" Horizontally Mounted Backdraft Damper.....	80.55	15.57
23 33 13 23-0024	EA			18" x 8" Horizontally Mounted Backdraft Damper.....	78.96	16.67
23 33 13 23-0025	EA			18" x 10" Horizontally Mounted Backdraft Damper.....	91.74	18.56
23 33 13 23-0026	EA			18" x 12" Horizontally Mounted Backdraft Damper.....	104.54	20.34
23 33 13 23-0027	EA			18" x 14" Horizontally Mounted Backdraft Damper.....	117.34	22.23
23 33 13 23-0028	EA			18" x 16" Horizontally Mounted Backdraft Damper.....	131.99	24.01
23 33 13 23-0029	EA			18" x 18" Horizontally Mounted Backdraft Damper.....	150.57	27.79
23 33 13 23-0030	EA			18" x 20" Horizontally Mounted Backdraft Damper.....	134.22	29.57
23 33 13 23-0031	EA			18" x 24" Horizontally Mounted Backdraft Damper.....	154.38	33.34
23 33 13 23-0032	EA			20" x 6" Horizontally Mounted Backdraft Damper.....	87.64	16.67
23 33 13 23-0033	EA			20" x 8" Horizontally Mounted Backdraft Damper.....	87.73	18.56
23 33 13 23-0034	EA			20" x 10" Horizontally Mounted Backdraft Damper.....	101.32	20.34
23 33 13 23-0035	EA			20" x 12" Horizontally Mounted Backdraft Damper.....	114.94	22.23
23 33 13 23-0036	EA			20" x 14" Horizontally Mounted Backdraft Damper.....	130.34	24.01
23 33 13 23-0037	EA			20" x 16" Horizontally Mounted Backdraft Damper.....	144.18	25.90
23 33 13 23-0038	EA			20" x 18" Horizontally Mounted Backdraft Damper.....	134.22	29.57
23 33 13 23-0039	EA			20" x 20" Horizontally Mounted Backdraft Damper.....	139.25	29.57
23 33 13 23-0040	EA			20" x 24" Horizontally Mounted Backdraft Damper.....	160.42	33.34
23 33 13 23-0041	EA			20" x 28" Horizontally Mounted Backdraft Damper.....	181.59	37.01
23 33 13 23-0042	EA			20" x 32" Horizontally Mounted Backdraft Damper.....	179.77	40.68
23 33 13 23-0043	EA			20" x 36" Horizontally Mounted Backdraft Damper.....	198.07	44.46
23 33 13 23-0044	EA			24" x 6" Horizontally Mounted Backdraft Damper.....	84.51	18.56
23 33 13 23-0045	EA			24" x 8" Horizontally Mounted Backdraft Damper.....	99.72	20.34
23 33 13 23-0046	EA			24" x 10" Horizontally Mounted Backdraft Damper.....	114.94	22.23
23 33 13 23-0047	EA			24" x 12" Horizontally Mounted Backdraft Damper.....	131.99	24.01
23 33 13 23-0048	EA			24" x 14" Horizontally Mounted Backdraft Damper.....	125.63	27.79
23 33 13 23-0049	EA			24" x 16" Horizontally Mounted Backdraft Damper.....	137.23	29.57
23 33 13 23-0050	EA			24" x 18" Horizontally Mounted Backdraft Damper.....	154.38	33.34
23 33 13 23-0051	EA			24" x 20" Horizontally Mounted Backdraft Damper.....	160.42	33.34
23 33 13 23-0052	EA			24" x 24" Horizontally Mounted Backdraft Damper.....	183.61	37.01
23 33 13 23-0053	EA			24" x 28" Horizontally Mounted Backdraft Damper.....	182.63	40.68
23 33 13 23-0054	EA			24" x 32" Horizontally Mounted Backdraft Damper.....	202.39	44.46
23 33 13 23-0055	EA			24" x 36" Horizontally Mounted Backdraft Damper.....	222.12	48.13
23 33 13 23-0056	EA			24" x 40" Horizontally Mounted Backdraft Damper.....	224.62	51.80
23 33 13 23-0057	EA			24" x 44" Horizontally Mounted Backdraft Damper.....	242.62	55.57
23 33 13 23-0058	EA			24" x 48" Horizontally Mounted Backdraft Damper.....	249.52	55.57
23 33 13 23-0059	EA			28" x 6" Horizontally Mounted Backdraft Damper.....	89.34	18.56
23 33 13 23-0060	EA			28" x 8" Horizontally Mounted Backdraft Damper.....	106.15	20.34
23 33 13 23-0061	EA			28" x 10" Horizontally Mounted Backdraft Damper.....	130.34	24.01
23 33 13 23-0062	EA			28" x 12" Horizontally Mounted Backdraft Damper.....	125.63	27.79
23 33 13 23-0063	EA			28" x 14" Horizontally Mounted Backdraft Damper.....	138.24	29.57
23 33 13 23-0064	EA			28" x 16" Horizontally Mounted Backdraft Damper.....	156.39	33.34
23 33 13 23-0065	EA			28" x 18" Horizontally Mounted Backdraft Damper.....	174.56	37.01
23 33 13 23-0066	EA			28" x 20" Horizontally Mounted Backdraft Damper.....	181.59	37.01
23 33 13 23-0067	EA			28" x 24" Horizontally Mounted Backdraft Damper.....	182.63	40.68
23 33 13 23-0068	EA			28" x 28" Horizontally Mounted Backdraft Damper.....	203.82	44.46
23 33 13 23-0069	EA			28" x 32" Horizontally Mounted Backdraft Damper.....	224.99	48.13
23 33 13 23-0070	EA			28" x 36" Horizontally Mounted Backdraft Damper.....	239.17	55.57
23 33 13 23-0071	EA			28" x 40" Horizontally Mounted Backdraft Damper.....	247.22	55.57
23 33 13 23-0072	EA			28" x 44" Horizontally Mounted Backdraft Damper.....	266.39	59.24
23 33 13 23-0073	EA			28" x 48" Horizontally Mounted Backdraft Damper.....	285.56	62.91
23 33 13 23-0074	EA			28" x 52" Horizontally Mounted Backdraft Damper.....	293.61	62.91
23 33 13 23-0075	EA			28" x 56" Horizontally Mounted Backdraft Damper.....	298.70	66.58
23 33 13 23-0076	EA			28" x 60" Horizontally Mounted Backdraft Damper.....	305.73	66.58
23 33 13 23-0077	EA			32" x 6" Horizontally Mounted Backdraft Damper.....	99.72	20.34
23 33 13 23-0078	EA			32" x 8" Horizontally Mounted Backdraft Damper.....	125.36	24.01
23 33 13 23-0079	EA			32" x 10" Horizontally Mounted Backdraft Damper.....	144.18	25.90
23 33 13 23-0080	EA			32" x 12" Horizontally Mounted Backdraft Damper.....	137.23	29.57
23 33 13 23-0081	EA			32" x 14" Horizontally Mounted Backdraft Damper.....	156.39	33.34
23 33 13 23-0082	EA			32" x 16" Horizontally Mounted Backdraft Damper.....	175.56	37.01
23 33 13 23-0083	EA			32" x 18" Horizontally Mounted Backdraft Damper.....	162.90	37.01
23 33 13 23-0084	EA			32" x 20" Horizontally Mounted Backdraft Damper.....	179.77	40.68
23 33 13 23-0085	EA			32" x 24" Horizontally Mounted Backdraft Damper.....	202.39	44.46
23 33 13 23-0086	EA			32" x 28" Horizontally Mounted Backdraft Damper.....	224.99	48.13
23 33 13 23-0087	EA			32" x 32" Horizontally Mounted Backdraft Damper.....	240.32	55.57
23 33 13 23-0088	EA			32" x 36" Horizontally Mounted Backdraft Damper.....	249.52	55.57
23 33 13 23-0089	EA			32" x 40" Horizontally Mounted Backdraft Damper.....	269.84	59.24
23 33 13 23-0090	EA			32" x 44" Horizontally Mounted Backdraft Damper.....	290.16	62.91
23 33 13 23-0091	EA			32" x 48" Horizontally Mounted Backdraft Damper.....	296.68	66.58
23 33 13 23-0092	EA			32" x 52" Horizontally Mounted Backdraft Damper.....	304.73	66.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23	0093	EA 32" x 56" Horizontally Mounted Backdraft Damper	323.89	70.37
23 33	13 23	0094	EA 32" x 60" Horizontally Mounted Backdraft Damper	331.94	70.37
23 33	13 23	0095	EA 32" x 64" Horizontally Mounted Backdraft Damper	332.71	74.04
23 33	13 23	0096	EA 32" x 68" Horizontally Mounted Backdraft Damper	339.60	74.04
23 33	13 23	0097	EA 32" x 72" Horizontally Mounted Backdraft Damper	357.61	77.70
23 33	13 23	0098	EA 36" x 6" Horizontally Mounted Backdraft Damper	104.54	20.34
23 33	13 23	0099	EA 36" x 8" Horizontally Mounted Backdraft Damper	137.54	25.90
23 33	13 23	0100	EA 36" x 10" Horizontally Mounted Backdraft Damper	134.22	29.57
23 33	13 23	0101	EA 36" x 12" Horizontally Mounted Backdraft Damper	154.38	33.34
23 33	13 23	0102	EA 36" x 14" Horizontally Mounted Backdraft Damper	174.56	37.01
23 33	13 23	0103	EA 36" x 16" Horizontally Mounted Backdraft Damper	162.90	37.01
23 33	13 23	0104	EA 36" x 18" Horizontally Mounted Backdraft Damper	180.48	40.68
23 33	13 23	0105	EA 36" x 20" Horizontally Mounted Backdraft Damper	198.07	44.46
23 33	13 23	0106	EA 36" x 24" Horizontally Mounted Backdraft Damper	222.12	48.13
23 33	13 23	0107	EA 36" x 28" Horizontally Mounted Backdraft Damper	239.17	55.57
23 33	13 23	0108	EA 36" x 32" Horizontally Mounted Backdraft Damper	249.52	55.57
23 33	13 23	0109	EA 36" x 36" Horizontally Mounted Backdraft Damper	270.99	59.24
23 33	13 23	0110	EA 36" x 40" Horizontally Mounted Backdraft Damper	292.46	62.91
23 33	13 23	0111	EA 36" x 44" Horizontally Mounted Backdraft Damper	299.69	66.58
23 33	13 23	0112	EA 36" x 48" Horizontally Mounted Backdraft Damper	319.86	70.37
23 33	13 23	0113	EA 36" x 52" Horizontally Mounted Backdraft Damper	328.92	70.37
23 33	13 23	0114	EA 36" x 56" Horizontally Mounted Backdraft Damper	330.98	74.04
23 33	13 23	0115	EA 36" x 60" Horizontally Mounted Backdraft Damper	338.74	74.04
23 33	13 23	0116	EA 36" x 64" Horizontally Mounted Backdraft Damper	357.61	77.70
23 33	13 23	0117	EA 36" x 68" Horizontally Mounted Backdraft Damper	365.37	77.70
23 33	13 23	0118	EA 36" x 72" Horizontally Mounted Backdraft Damper	373.14	77.70
23 33	13 23	0119	EA 40" x 6" Horizontally Mounted Backdraft Damper	114.94	22.23
23 33	13 23	0120	EA 40" x 8" Horizontally Mounted Backdraft Damper	149.74	27.79
23 33	13 23	0121	EA 40" x 10" Horizontally Mounted Backdraft Damper	139.25	29.57
23 33	13 23	0122	EA 40" x 12" Horizontally Mounted Backdraft Damper	160.42	33.34
23 33	13 23	0123	EA 40" x 14" Horizontally Mounted Backdraft Damper	181.59	37.01
23 33	13 23	0124	EA 40" x 16" Horizontally Mounted Backdraft Damper	179.77	40.68
23 33	13 23	0125	EA 40" x 18" Horizontally Mounted Backdraft Damper	198.07	44.46
23 33	13 23	0126	EA 40" x 20" Horizontally Mounted Backdraft Damper	216.36	48.13
23 33	13 23	0127	EA 40" x 24" Horizontally Mounted Backdraft Damper	224.62	51.80
23 33	13 23	0128	EA 40" x 28" Horizontally Mounted Backdraft Damper	247.22	55.57
23 33	13 23	0129	EA 40" x 32" Horizontally Mounted Backdraft Damper	269.84	59.24
23 33	13 23	0130	EA 40" x 36" Horizontally Mounted Backdraft Damper	292.46	62.91
23 33	13 23	0131	EA 40" x 40" Horizontally Mounted Backdraft Damper	300.70	66.58
23 33	13 23	0132	EA 40" x 44" Horizontally Mounted Backdraft Damper	321.87	70.37
23 33	13 23	0133	EA 40" x 48" Horizontally Mounted Backdraft Damper	331.94	70.37
23 33	13 23	0134	EA 40" x 50" Horizontally Mounted Backdraft Damper	330.12	74.04
23 33	13 23	0135	EA 44" x 6" Horizontally Mounted Backdraft Damper	127.02	24.01
23 33	13 23	0136	EA 44" x 8" Horizontally Mounted Backdraft Damper	133.21	29.57
23 33	13 23	0137	EA 44" x 10" Horizontally Mounted Backdraft Damper	155.39	33.34
23 33	13 23	0138	EA 44" x 12" Horizontally Mounted Backdraft Damper	177.57	37.01
23 33	13 23	0139	EA 44" x 14" Horizontally Mounted Backdraft Damper	177.61	40.68
23 33	13 23	0140	EA 44" x 16" Horizontally Mounted Backdraft Damper	196.63	44.46
23 33	13 23	0141	EA 44" x 18" Horizontally Mounted Backdraft Damper	204.54	44.46
23 33	13 23	0142	EA 44" x 20" Horizontally Mounted Backdraft Damper	223.55	48.13
23 33	13 23	0143	EA 44" x 24" Horizontally Mounted Backdraft Damper	242.62	55.57
23 33	13 23	0144	EA 44" x 28" Horizontally Mounted Backdraft Damper	266.39	59.24
23 33	13 23	0145	EA 44" x 32" Horizontally Mounted Backdraft Damper	290.16	62.91
23 33	13 23	0146	EA 44" x 36" Horizontally Mounted Backdraft Damper	299.69	66.58
23 33	13 23	0147	EA 44" x 40" Horizontally Mounted Backdraft Damper	321.87	70.37
23 33	13 23	0148	EA 44" x 44" Horizontally Mounted Backdraft Damper	332.94	70.37
23 33	13 23	0149	EA 44" x 48" Horizontally Mounted Backdraft Damper	336.16	74.04
23 33	13 23	0150	EA 44" x 50" Horizontally Mounted Backdraft Damper	340.90	74.04
23 33	13 23	0151	EA 48" x 6" Horizontally Mounted Backdraft Damper	137.54	25.90
23 33	13 23	0152	EA 48" x 8" Horizontally Mounted Backdraft Damper	137.23	29.57
23 33	13 23	0153	EA 48" x 10" Horizontally Mounted Backdraft Damper	160.42	33.34
23 33	13 23	0154	EA 48" x 12" Horizontally Mounted Backdraft Damper	162.90	37.01
23 33	13 23	0155	EA 48" x 14" Horizontally Mounted Backdraft Damper	182.63	40.68
23 33	13 23	0156	EA 48" x 16" Horizontally Mounted Backdraft Damper	202.39	44.46
23 33	13 23	0157	EA 48" x 18" Horizontally Mounted Backdraft Damper	222.12	48.13
23 33	13 23	0158	EA 48" x 20" Horizontally Mounted Backdraft Damper	224.62	51.80
23 33	13 23	0159	EA 48" x 24" Horizontally Mounted Backdraft Damper	249.52	55.57
23 33	13 23	0160	EA 48" x 28" Horizontally Mounted Backdraft Damper	285.56	62.91
23 33	13 23	0161	EA 48" x 32" Horizontally Mounted Backdraft Damper	296.68	66.58
23 33	13 23	0162	EA 48" x 36" Horizontally Mounted Backdraft Damper	319.86	70.37
23 33	13 23	0163	EA 48" x 40" Horizontally Mounted Backdraft Damper	331.94	70.37
23 33	13 23	0164	EA 48" x 44" Horizontally Mounted Backdraft Damper	336.16	74.04
23 33	13 23	0165	EA 48" x 48" Horizontally Mounted Backdraft Damper	357.61	77.70
23 33	13 23	0166	EA 48" x 50" Horizontally Mounted Backdraft Damper	362.79	77.70
23 33	13 23	0167	EA 50" x 6" Horizontally Mounted Backdraft Damper	140.03	25.90
23 33	13 23	0168	EA 50" x 8" Horizontally Mounted Backdraft Damper	150.36	33.34
23 33	13 23	0169	EA 50" x 10" Horizontally Mounted Backdraft Damper	174.06	37.01
23 33	13 23	0170	EA 50" x 12" Horizontally Mounted Backdraft Damper	176.17	40.68
23 33	13 23	0171	EA 50" x 14" Horizontally Mounted Backdraft Damper	196.27	44.46
23 33	13 23	0172	EA 50" x 16" Horizontally Mounted Backdraft Damper	216.36	48.13
23 33	13 23	0173	EA 50" x 18" Horizontally Mounted Backdraft Damper	236.47	51.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0174 EA 50" x 20" Horizontally Mounted Backdraft Damper	238.59	55.57
23 33 13 23-0175 EA 50" x 24" Horizontally Mounted Backdraft Damper	264.09	59.24
23 33 13 23-0176 EA 50" x 28" Horizontally Mounted Backdraft Damper	289.58	62.91
23 33 13 23-0177 EA 50" x 32" Horizontally Mounted Backdraft Damper	300.70	66.58
23 33 13 23-0178 EA 50" x 36" Horizontally Mounted Backdraft Damper	324.39	70.37
23 33 13 23-0179 EA 50" x 40" Horizontally Mounted Backdraft Damper	330.12	74.04
23 33 13 23-0180 EA 50" x 44" Horizontally Mounted Backdraft Damper	340.90	74.04
23 33 13 23-0181 EA 50" x 48" Horizontally Mounted Backdraft Damper	362.79	77.70
23 33 13 23-0182 EA 50" x 50" Horizontally Mounted Backdraft Damper	368.18	77.70
23 33 13 23-0183		
Vertically Mounted Backdraft Damper <small>(23 33 13 23)</small>		
<small>Note: Galvanized steel frame, aluminum blades. Excludes motor pack.</small>		
23 33 13 23-0184 EA 6" x 6" Vertically Mounted Backdraft Damper	62.86	12.34
23 33 13 23-0185 EA 8" x 6" Vertically Mounted Backdraft Damper	73.15	12.89
23 33 13 23-0186 EA 10" x 6" Vertically Mounted Backdraft Damper	74.81	13.00
23 33 13 23-0187 EA 8" x 8" Vertically Mounted Backdraft Damper	77.20	13.00
23 33 13 23-0188 EA 12" x 6" Vertically Mounted Backdraft Damper	83.11	13.34
23 33 13 23-0189 EA 10" x 8" Vertically Mounted Backdraft Damper	92.34	14.78
23 33 13 23-0190 EA 14" x 6" Vertically Mounted Backdraft Damper	90.29	13.34
23 33 13 23-0191 EA 12" x 8" Vertically Mounted Backdraft Damper	101.92	14.78
23 33 13 23-0192 EA 16" x 6" Vertically Mounted Backdraft Damper	104.15	15.57
23 33 13 23-0193 EA 10" x 10" Vertically Mounted Backdraft Damper	109.87	16.67
23 33 13 23-0194 EA 18" x 6" Vertically Mounted Backdraft Damper	89.49	14.12
23 33 13 23-0195 EA 14" x 8" Vertically Mounted Backdraft Damper	95.69	15.57
23 33 13 23-0196 EA 12" x 10" Vertically Mounted Backdraft Damper	102.52	16.67
23 33 13 23-0197 EA 20" x 6" Vertically Mounted Backdraft Damper	108.07	18.56
23 33 13 23-0198 EA 16" x 8" Vertically Mounted Backdraft Damper	117.13	20.34
23 33 13 23-0199 EA 14" x 10" Vertically Mounted Backdraft Damper	105.71	14.78
23 33 13 23-0200 EA 12" x 12" Vertically Mounted Backdraft Damper	113.02	16.67
23 33 13 23-0201 EA 18" x 8" Vertically Mounted Backdraft Damper	105.72	18.56
23 33 13 23-0202 EA 24" x 6" Vertically Mounted Backdraft Damper	105.72	18.56
23 33 13 23-0203 EA 16" x 10" Vertically Mounted Backdraft Damper	116.84	20.34
23 33 13 23-0204 EA 20" x 8" Vertically Mounted Backdraft Damper	122.41	22.23
23 33 13 23-0205 EA 14" x 12" Vertically Mounted Backdraft Damper	105.19	15.57
23 33 13 23-0206 EA 28" x 6" Vertically Mounted Backdraft Damper	108.52	16.67
23 33 13 23-0207 EA 18" x 10" Vertically Mounted Backdraft Damper	118.24	18.56
23 33 13 23-0208 EA 16" x 12" Vertically Mounted Backdraft Damper	127.98	20.34
23 33 13 23-0209 EA 24" x 8" Vertically Mounted Backdraft Damper	133.55	22.23
23 33 13 23-0210 EA 32" x 6" Vertically Mounted Backdraft Damper	139.11	24.01
23 33 13 23-0211 EA 14" x 14" Vertically Mounted Backdraft Damper	151.62	27.79
23 33 13 23-0212 EA 20" x 10" Vertically Mounted Backdraft Damper	153.74	29.57
23 33 13 23-0213 EA 18" x 12" Vertically Mounted Backdraft Damper	170.03	33.34
23 33 13 23-0214 EA 36" x 6" Vertically Mounted Backdraft Damper	120.01	16.67
23 33 13 23-0215 EA 16" x 14" Vertically Mounted Backdraft Damper	128.16	18.56
23 33 13 23-0216 EA 28" x 8" Vertically Mounted Backdraft Damper	133.72	20.34
23 33 13 23-0217 EA 20" x 12" Vertically Mounted Backdraft Damper	144.46	22.23
23 33 13 23-0218 EA 24" x 10" Vertically Mounted Backdraft Damper	150.02	24.01
23 33 13 23-0219 EA 40" x 6" Vertically Mounted Backdraft Damper	155.57	25.90
23 33 13 23-0220 EA 18" x 14" Vertically Mounted Backdraft Damper	170.59	29.57
23 33 13 23-0221 EA 16" x 16" Vertically Mounted Backdraft Damper	171.88	29.57
23 33 13 23-0222 EA 32" x 8" Vertically Mounted Backdraft Damper	182.99	33.34
23 33 13 23-0223 EA 44" x 6" Vertically Mounted Backdraft Damper	196.70	37.01
23 33 13 23-0224 EA 20" x 14" Vertically Mounted Backdraft Damper	213.00	40.68
23 33 13 23-0225 EA 28" x 10" Vertically Mounted Backdraft Damper	224.12	44.46
23 33 13 23-0226 EA 18" x 16" Vertically Mounted Backdraft Damper	148.89	18.56
23 33 13 23-0227 EA 24" x 12" Vertically Mounted Backdraft Damper	154.45	20.34
23 33 13 23-0228 EA 36" x 8" Vertically Mounted Backdraft Damper	160.02	22.23
23 33 13 23-0229 EA 48" x 6" Vertically Mounted Backdraft Damper	165.58	24.01
23 33 13 23-0230 EA 50" x 6" Vertically Mounted Backdraft Damper	180.58	27.79
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	192.62	29.57
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	203.73	33.34
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	203.73	33.34
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	194.11	37.01
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	193.70	40.68
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	204.82	44.46
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	219.33	48.13
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	232.15	51.80
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	243.26	55.57
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	243.26	55.57
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	137.21	18.56
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	142.77	20.34
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	153.90	24.01
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	166.71	27.79
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	173.97	29.57
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	185.08	33.34
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	196.20	37.01
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	203.00	37.01
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	214.11	40.68
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	225.23	44.46
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	238.04	48.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23	0252	EA 28" x 16" Vertically Mounted Backdraft Damper	261.98	55.57
23 33	13 23	0253	EA 32" x 14" Vertically Mounted Backdraft Damper	261.98	55.57
23 33	13 23	0254	EA 20" x 24" Vertically Mounted Backdraft Damper	280.75	59.24
23 33	13 23	0255	EA 24" x 20" Vertically Mounted Backdraft Damper	276.20	62.91
23 33	13 23	0256	EA 40" x 12" Vertically Mounted Backdraft Damper	276.20	62.91
23 33	13 23	0257	EA 48" x 10" Vertically Mounted Backdraft Damper	287.32	66.58
23 33	13 23	0258	EA 50" x 10" Vertically Mounted Backdraft Damper	290.96	66.58
23 33	13 23	0259	EA 28" x 18" Vertically Mounted Backdraft Damper	152.72	20.34
23 33	13 23	0260	EA 36" x 14" Vertically Mounted Backdraft Damper	163.85	24.01
23 33	13 23	0261	EA 32" x 16" Vertically Mounted Backdraft Damper	170.86	25.90
23 33	13 23	0262	EA 44" x 12" Vertically Mounted Backdraft Damper	184.88	29.57
23 33	13 23	0263	EA 20" x 28" Vertically Mounted Backdraft Damper	201.81	33.34
23 33	13 23	0264	EA 28" x 20" Vertically Mounted Backdraft Damper	212.93	37.01
23 33	13 23	0265	EA 40" x 14" Vertically Mounted Backdraft Damper	212.93	37.01
23 33	13 23	0266	EA 24" x 24" Vertically Mounted Backdraft Damper	226.94	40.68
23 33	13 23	0267	EA 32" x 18" Vertically Mounted Backdraft Damper	238.06	44.46
23 33	13 23	0268	EA 36" x 16" Vertically Mounted Backdraft Damper	249.17	48.13
23 33	13 23	0269	EA 48" x 12" Vertically Mounted Backdraft Damper	271.40	55.57
23 33	13 23	0270	EA 50" x 12" Vertically Mounted Backdraft Damper	275.77	55.57
23 33	13 23	0271	EA 44" x 14" Vertically Mounted Backdraft Damper	289.80	59.24
23 33	13 23	0272	EA 20" x 32" Vertically Mounted Backdraft Damper	305.28	62.91
23 33	13 23	0273	EA 32" x 20" Vertically Mounted Backdraft Damper	316.40	66.58
23 33	13 23	0274	EA 40" x 16" Vertically Mounted Backdraft Damper	316.40	66.58
23 33	13 23	0275	EA 36" x 18" Vertically Mounted Backdraft Damper	328.96	70.37
23 33	13 23	0276	EA 24" x 28" Vertically Mounted Backdraft Damper	334.05	70.37
23 33	13 23	0277	EA 28" x 24" Vertically Mounted Backdraft Damper	334.64	74.04
23 33	13 23	0278	EA 48" x 14" Vertically Mounted Backdraft Damper	334.64	74.04
23 33	13 23	0279	EA 50" x 14" Vertically Mounted Backdraft Damper	350.43	77.70
23 33	13 23	0280	EA 44" x 16" Vertically Mounted Backdraft Damper	178.79	20.34
23 33	13 23	0281	EA 20" x 36" Vertically Mounted Backdraft Damper	198.15	25.90
23 33	13 23	0282	EA 36" x 20" Vertically Mounted Backdraft Damper	209.27	29.57
23 33	13 23	0283	EA 40" x 18" Vertically Mounted Backdraft Damper	220.38	33.34
23 33	13 23	0284	EA 24" x 32" Vertically Mounted Backdraft Damper	239.52	37.01
23 33	13 23	0285	EA 32" x 24" Vertically Mounted Backdraft Damper	239.52	37.01
23 33	13 23	0286	EA 48" x 16" Vertically Mounted Backdraft Damper	250.63	40.68
23 33	13 23	0287	EA 28" x 28" Vertically Mounted Backdraft Damper	264.43	44.46
23 33	13 23	0288	EA 44" x 18" Vertically Mounted Backdraft Damper	276.87	48.13
23 33	13 23	0289	EA 40" x 20" Vertically Mounted Backdraft Damper	300.44	55.57
23 33	13 23	0290	EA 50" x 16" Vertically Mounted Backdraft Damper	300.44	55.57
23 33	13 23	0291	EA 24" x 36" Vertically Mounted Backdraft Damper	322.26	59.24
23 33	13 23	0292	EA 36" x 24" Vertically Mounted Backdraft Damper	333.38	62.91
23 33	13 23	0293	EA 48" x 18" Vertically Mounted Backdraft Damper	344.50	66.58
23 33	13 23	0294	EA 44" x 20" Vertically Mounted Backdraft Damper	358.28	70.37
23 33	13 23	0295	EA 28" x 32" Vertically Mounted Backdraft Damper	360.96	70.37
23 33	13 23	0296	EA 32" x 28" Vertically Mounted Backdraft Damper	372.08	74.04
23 33	13 23	0297	EA 50" x 18" Vertically Mounted Backdraft Damper	372.74	74.04
23 33	13 23	0298	EA 24" x 40" Vertically Mounted Backdraft Damper	393.88	77.70
23 33	13 23	0299	EA 40" x 24" Vertically Mounted Backdraft Damper	393.88	77.70
23 33	13 23	0300	EA 48" x 20" Vertically Mounted Backdraft Damper	393.88	77.70
23 33	13 23	0301	EA 50" x 20" Vertically Mounted Backdraft Damper	233.84	22.23
23 33	13 23	0302	EA 28" x 36" Vertically Mounted Backdraft Damper	251.84	27.79
23 33	13 23	0303	EA 36" x 28" Vertically Mounted Backdraft Damper	257.40	29.57
23 33	13 23	0304	EA 32" x 32" Vertically Mounted Backdraft Damper	271.19	33.34
23 33	13 23	0305	EA 24" x 44" Vertically Mounted Backdraft Damper	268.58	37.01
23 33	13 23	0306	EA 44" x 24" Vertically Mounted Backdraft Damper	279.69	40.68
23 33	13 23	0307	EA 28" x 40" Vertically Mounted Backdraft Damper	300.34	44.46
23 33	13 23	0308	EA 40" x 28" Vertically Mounted Backdraft Damper	311.45	48.13
23 33	13 23	0309	EA 24" x 48" Vertically Mounted Backdraft Damper	327.35	51.80
23 33	13 23	0310	EA 32" x 36" Vertically Mounted Backdraft Damper	338.46	55.57
23 33	13 23	0311	EA 36" x 32" Vertically Mounted Backdraft Damper	349.58	59.24
23 33	13 23	0312	EA 48" x 24" Vertically Mounted Backdraft Damper	360.70	62.91
23 33	13 23	0313	EA 50" x 24" Vertically Mounted Backdraft Damper	378.97	66.58
23 33	13 23	0314	EA 28" x 44" Vertically Mounted Backdraft Damper	394.84	70.37
23 33	13 23	0315	EA 44" x 28" Vertically Mounted Backdraft Damper	394.84	70.37
23 33	13 23	0316	EA 32" x 40" Vertically Mounted Backdraft Damper	413.13	74.04
23 33	13 23	0317	EA 40" x 32" Vertically Mounted Backdraft Damper	263.07	24.01
23 33	13 23	0318	EA 36" x 36" Vertically Mounted Backdraft Damper	282.12	29.57
23 33	13 23	0319	EA 28" x 48" Vertically Mounted Backdraft Damper	300.38	33.34
23 33	13 23	0320	EA 48" x 28" Vertically Mounted Backdraft Damper	311.50	37.01
23 33	13 23	0321	EA 50" x 28" Vertically Mounted Backdraft Damper	330.96	40.68
23 33	13 23	0322	EA 32" x 44" Vertically Mounted Backdraft Damper	343.27	44.46
23 33	13 23	0323	EA 44" x 32" Vertically Mounted Backdraft Damper	343.27	44.46
23 33	13 23	0324	EA 36" x 40" Vertically Mounted Backdraft Damper	359.75	48.13
23 33	13 23	0325	EA 40" x 36" Vertically Mounted Backdraft Damper	359.92	55.57
23 33	13 23	0326	EA 28" x 52" Vertically Mounted Backdraft Damper	373.18	59.24
23 33	13 23	0327	EA 32" x 48" Vertically Mounted Backdraft Damper	395.03	62.91
23 33	13 23	0328	EA 48" x 32" Vertically Mounted Backdraft Damper	406.15	66.58
23 33	13 23	0329	EA 28" x 56" Vertically Mounted Backdraft Damper	421.56	70.37
23 33	13 23	0330	EA 36" x 44" Vertically Mounted Backdraft Damper	423.71	70.37
23 33	13 23	0331	EA 44" x 36" Vertically Mounted Backdraft Damper	434.83	74.04
23 33	13 23	0332	EA 40" x 40" Vertically Mounted Backdraft Damper	436.97	74.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0333 EA 50" x 32" Vertically Mounted Backdraft Damper	292.46	25.90
23 33 13 23-0334 EA 32" x 52" Vertically Mounted Backdraft Damper	312.17	29.57
23 33 13 23-0335 EA 28" x 60" Vertically Mounted Backdraft Damper	325.42	33.34
23 33 13 23-0336 EA 36" x 48" Vertically Mounted Backdraft Damper	342.99	37.01
23 33 13 23-0337 EA 48" x 36" Vertically Mounted Backdraft Damper	354.10	40.68
23 33 13 23-0338 EA 40" x 44" Vertically Mounted Backdraft Damper	369.51	44.46
23 33 13 23-0339 EA 44" x 40" Vertically Mounted Backdraft Damper	380.62	48.13
23 33 13 23-0340 EA 32" x 56" Vertically Mounted Backdraft Damper	396.03	51.80
23 33 13 23-0341 EA 50" x 36" Vertically Mounted Backdraft Damper	381.38	55.57
23 33 13 23-0342 EA 36" x 52" Vertically Mounted Backdraft Damper	412.21	62.91
23 33 13 23-0343 EA 32" x 60" Vertically Mounted Backdraft Damper	429.05	66.58
23 33 13 23-0344 EA 40" x 48" Vertically Mounted Backdraft Damper	440.16	70.37
23 33 13 23-0345 EA 48" x 40" Vertically Mounted Backdraft Damper	440.16	70.37
23 33 13 23-0346 EA 44" x 44" Vertically Mounted Backdraft Damper	453.19	74.04
23 33 13 23-0347 EA 40" x 50" Vertically Mounted Backdraft Damper	471.94	77.70
23 33 13 23-0348 EA 50" x 40" Vertically Mounted Backdraft Damper	471.94	77.70
23 33 13 23-0349 EA 36" x 56" Vertically Mounted Backdraft Damper	318.22	25.90
23 33 13 23-0350 EA 32" x 64" Vertically Mounted Backdraft Damper	344.27	33.34
23 33 13 23-0351 EA 44" x 48" Vertically Mounted Backdraft Damper	363.02	37.01
23 33 13 23-0352 EA 48" x 44" Vertically Mounted Backdraft Damper	374.13	40.68
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	390.98	44.46
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	404.00	48.13
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	385.18	51.80
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	396.29	55.57
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	418.26	59.24
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	429.38	62.91
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	440.50	66.58
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	461.62	70.37
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	472.74	74.04
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	477.75	74.04
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	494.29	77.70
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	503.89	77.70
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper	126.86	25.10
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper	197.21	25.10
23 33 13 29 Barometric Dampers (23 33 13)		
23 33 13 29-0001 EA 6" x 6" Barometric Damper	124.31	8.90
23 33 13 29-0002 EA 12" x 12" Barometric Damper	177.44	12.22
23 33 13 29-0003 EA 18" x 18" Barometric Damper	246.83	18.90
23 33 13 29-0004 EA 24" x 24" Barometric Damper	336.54	35.56
23 33 13 29-0005 EA 6" Diameter Barometric Damper	74.37	8.90
<i>For Stainless Steel, Add</i>	51.84	
23 33 13 29-0006 EA 7" Diameter Barometric Damper	87.39	10.00
<i>For Stainless Steel, Add</i>	61.59	
23 33 13 29-0007 EA 8" Diameter Barometric Damper	101.46	11.12
<i>For Stainless Steel, Add</i>	71.42	
23 33 13 29-0008 EA 9" Diameter Barometric Damper	118.50	11.12
<i>For Stainless Steel, Add</i>	90.48	
23 33 13 29-0009 EA 10" Diameter Barometric Damper	146.11	13.34
<i>For Stainless Steel, Add</i>	123.27	
23 33 13 29-0010 EA 12" Diameter Barometric Damper	179.45	14.44
<i>For Stainless Steel, Add</i>	158.99	
23 33 13 29-0011 EA 14" Diameter Barometric Damper	218.48	15.56
<i>For Stainless Steel, Add</i>	202.76	
23 33 13 29-0012 EA 15" Diameter Barometric Damper	256.46	16.67
<i>For Stainless Steel, Add</i>	243.71	
23 33 13 29-0013 EA 16" Diameter Barometric Damper	292.98	18.90
<i>For Stainless Steel, Add</i>	284.56	
23 33 13 29-0014 EA 18" Diameter Barometric Damper	372.47	20.00
<i>For Stainless Steel, Add</i>	380.19	
23 33 13 29-0015 EA 20" Diameter Barometric Damper	437.03	22.22
<i>For Stainless Steel, Add</i>	455.07	
23 33 13 29-0016 EA 24" Diameter Barometric Damper	516.31	22.22
<i>For Stainless Steel, Add</i>	552.99	
23 33 13 29-0017 EA 30" Diameter Barometric Damper	627.33	25.56
<i>For Stainless Steel, Add</i>	685.49	
23 33 13 29-0018 EA 36" Diameter Barometric Damper	783.24	26.68
<i>For Stainless Steel, Add</i>	881.34	
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	33.23	7.78
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	293.98	28.68

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43-0003	EA		3" Blower Check Valves, Silicone Seals	328.02	32.68
23 33 13 43-0004	EA		4" Blower Check Valves, Silicone Seals	420.87	43.35
23 33 13 43-0005	EA		5" Blower Check Valves, Silicone Seals	584.84	50.02
23 33 13 43-0006	EA		6" Blower Check Valves, Silicone Seals	653.95	60.03
23 33 13 43-0007	EA		8" Blower Check Valves, Silicone Seals	979.25	76.04
23 33 13 43-0008			Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009	EA		2-1/2" Blower Check Valves, Viton Seats	410.22	28.68
23 33 13 43-0010	EA		3" Blower Check Valves, Viton Seats	466.18	32.68
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats	517.06	43.35
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats	728.85	50.02
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats	812.93	60.03
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats	1,260.47	76.04
23 33 19			Duct Sound Trap (23 33)		
23 33 19 00-0001			36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002	EA		12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	257.62	45.57
23 33 19 00-0003	EA		12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	305.63	52.24
23 33 19 00-0004	EA		12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	380.16	60.01
23 33 19 00-0005	EA		12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	450.79	67.79
23 33 19 00-0006	EA		24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	427.39	67.79
23 33 19 00-0007	EA		24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	515.83	71.13
23 33 19 00-0008	EA		24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	563.45	75.57
23 33 19 00-0009	EA		24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	613.31	80.02
23 33 19 00-0010	EA		24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	774.23	91.13
23 33 19 00-0011	EA		36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	522.13	75.57
23 33 19 00-0012	EA		36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	681.94	91.13
23 33 19 00-0013	EA		36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,128.47	122.25
23 33 19 00-0014	EA		36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,234.77	128.92
23 33 19 00-0015	EA		48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,369.81	138.93
23 33 19 00-0016	EA		48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,529.15	151.15
23 33 19 00-0017			60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018	EA		12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	286.15	100.03
23 33 19 00-0019	EA		12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	340.62	115.59
23 33 19 00-0020	EA		12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	424.83	133.37
23 33 19 00-0021	EA		12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	503.64	150.03
23 33 19 00-0022	EA		24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	477.03	150.03
23 33 19 00-0023	EA		24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	578.96	158.93
23 33 19 00-0024	EA		24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	629.26	166.71
23 33 19 00-0025	EA		24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	681.25	175.60
23 33 19 00-0026	EA		24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	866.57	200.05
23 33 19 00-0027	EA		36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	582.30	166.71
23 33 19 00-0028	EA		36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	761.69	200.05
23 33 19 00-0029	EA		36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,254.35	263.40
23 33 19 00-0030	EA		36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,391.82	285.62
23 33 19 00-0031	EA		48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,531.34	303.41
23 33 19 00-0032	EA		48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,715.63	333.41
23 33 19 00-0033			84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034	EA		6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	243.41	83.35
23 33 19 00-0035	EA		6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	398.77	124.47
23 33 19 00-0036	EA		6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	564.10	182.27
23 33 19 00-0037	EA		12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	315.89	100.03
23 33 19 00-0038	EA		12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	384.45	115.59
23 33 19 00-0039	EA		12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	496.84	133.37
23 33 19 00-0040	EA		12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	572.24	143.37
23 33 19 00-0041	EA		12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	622.41	154.48
23 33 19 00-0042	EA		12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	756.06	166.71
23 33 19 00-0043	EA		12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	878.74	182.27
23 33 19 00-0044	EA		24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	556.66	154.48
23 33 19 00-0045	EA		24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	734.34	161.15
23 33 19 00-0046	EA		24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	792.06	166.71
23 33 19 00-0047	EA		24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	856.57	175.60
23 33 19 00-0048	EA		24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,042.73	188.94
23 33 19 00-0049	EA		24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,126.42	200.05
23 33 23			Duct Turning Vanes (23 33)		
23 33 23 00-0001			Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF		Duct Turning Vane Rail	7.26	2.77
			<i>For Stainless Steel, Add</i>	1.94	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane	4.54	1.12
			<i>For Stainless Steel, Add</i>	2.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	15.49 13.36	4.17
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	18.56 16.90	4.44
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	24.08 23.66	4.66
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	29.65 30.42	5.01
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	32.66 33.80	5.34
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	40.05 43.95	5.01
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	49.02 54.09	5.89
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	52.43 58.16	6.16
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	58.10 65.13	6.40
23 33 33 Duct-Mounting Access Doors (23 33)		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	79.65 34.28	15.56
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	83.25 41.48	15.56
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	85.01 45.00	15.56
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	108.66 63.44	18.90
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	109.38 64.88	18.90
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	137.36 74.66	25.56
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	165.23 80.40	31.12
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	216.07 98.72	42.23
23 33 43 Flexible Duct Connectors (23 33)		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal	12.87	3.34
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl.....	12.62	3.01
23 33 46 Flexible Ducts (23 33)		
23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket (23 33 46)		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.03	1.12
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.77	2.22
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	7.91	2.22
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.25	2.22
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	11.26	3.34
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	14.34	3.34
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	19.69	4.44
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	24.39	4.44
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	32.08	5.56
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	36.59 15.05	6.66
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	40.31 15.25	7.78
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	46.28 16.82	7.78
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	53.36 17.36	10.00
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	65.09 19.60	12.22
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	75.74 24.17	14.44
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	86.71 26.04	16.67
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	101.77 32.60	18.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 46 00-0020	EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	110.79 35.67	21.12
23 33 53	Duct Liners <small>(23 33)</small>		
23 33 53 00-0001	Fiberglass Duct Liner Board, Rigid, Acoustical Insulation <small>(23 33 53)</small>		
23 33 53 00-0002	SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.22	3.16
23 33 53 00-0003	SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.27	3.16
23 33 53 00-0004	SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.60	4.21
23 33 53 00-0005	SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.63	4.21
23 33 53 00-0006	SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	20.07	4.73
23 33 53 00-0007	SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.44	3.34
23 33 53 00-0008	SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.42	3.34
23 33 53 00-0009	SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.70	4.44
23 33 53 00-0010	SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	15.44	4.44
23 33 53 00-0011	SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	18.70	5.01
23 33 53 00-0012	Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation <small>(23 33 53)</small>		
23 33 53 00-0013	SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	1.93	2.66
23 33 53 00-0014	SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	2.16	3.01
23 33 53 00-0015	SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.74	3.01
23 33 53 00-0016	SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.50	3.01
23 33 53 00-0017	SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	2.95	3.34
23 33 53 00-0018	SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.13	3.67
23 33 53 00-0019	SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	4.76	3.67
23 33 56	Duct Air Extractors <small>(23 33)</small>		
23 33 56 00-0001	EA 12" x 4" Duct Air Extractor	58.92	18.33
	<i>For Stainless Steel, Add</i>	28.91	
23 33 56 00-0002	EA 8" x 6" Duct Air Extractor	62.25	20.00
	<i>For Stainless Steel, Add</i>	28.91	
23 33 56 00-0003	EA 12" x 6" Duct Air Extractor	73.00	21.12
	<i>For Stainless Steel, Add</i>	40.00	
23 33 56 00-0004	EA 16" x 6" Duct Air Extractor	83.50	22.22
	<i>For Stainless Steel, Add</i>	50.75	
23 33 56 00-0005	EA 24" x 6" Duct Air Extractor	113.35	24.45
	<i>For Stainless Steel, Add</i>	83.79	
23 33 56 00-0006	EA 12" x 8" Duct Air Extractor	78.95	22.22
	<i>For Stainless Steel, Add</i>	44.85	
23 33 56 00-0007	EA 20" x 8" Duct Air Extractor	105.50	27.78
	<i>For Stainless Steel, Add</i>	64.91	
23 33 56 00-0008	EA 18" x 10" Duct Air Extractor	112.37	31.67
	<i>For Stainless Steel, Add</i>	63.73	
23 33 56 00-0009	EA 24" x 10" Duct Air Extractor	138.01	37.22
	<i>For Stainless Steel, Add</i>	82.62	
23 33 56 00-0010	EA 24" x 12" Duct Air Extractor	157.00	44.46
	<i>For Stainless Steel, Add</i>	88.52	
23 33 56 00-0011	EA 30" x 12" Duct Air Extractor	196.46	55.57
	<i>For Stainless Steel, Add</i>	110.93	
23 33 59	Duct Pressure Relief Doors <small>(23 33)</small>		
23 33 59 00-0001	Duct Pressure Relief Doors <small>(23 33 59)</small>		
23 33 59 00-0002	EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	680.25	33.34
23 33 59 00-0003	EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	559.57	27.78
23 33 59 00-0004	EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	559.76	30.57
23 34	HVAC Fans <small>(23 30)</small>		
23 34 13	Axial HVAC Fans <small>(23 34)</small>		
23 34 13 00-0001	Tube-Axial Fans <small>(23 34 13)</small>		
23 34 13 00-0002	Direct Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>		
23 34 13 00-0003	EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,292.57	340.74
	<i>For 1/4" Static Pressure, Add</i>	48.83	
	<i>For 3/8" Static Pressure, Add</i>	97.67	
	<i>For 1/2" Static Pressure, Add</i>	134.29	
23 34 13 00-0004	EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,336.17	341.77
	<i>For 1/4" Static Pressure, Add</i>	52.32	
	<i>For 3/8" Static Pressure, Add</i>	104.64	
	<i>For 1/2" Static Pressure, Add</i>	143.88	
23 34 13 00-0005	EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,423.37	340.74
	<i>For 1/4" Static Pressure, Add</i>	59.30	
	<i>For 3/8" Static Pressure, Add</i>	118.59	
	<i>For 1/2" Static Pressure, Add</i>	163.07	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0006	EA			20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,510.57	341.77
				For 1/4" Static Pressure, Add	66.27	
				For 3/8" Static Pressure, Add	132.55	
				For 1/2" Static Pressure, Add	182.25	
23 34 13 00-0007	EA			22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,777.81	409.30
				For 1/4" Static Pressure, Add	76.74	
				For 3/8" Static Pressure, Add	153.48	
				For 1/2" Static Pressure, Add	211.03	
23 34 13 00-0008	EA			24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	2,023.40	445.11
				For 1/4" Static Pressure, Add	90.69	
				For 3/8" Static Pressure, Add	181.38	
				For 1/2" Static Pressure, Add	249.40	
23 34 13 00-0009	EA			24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	2,151.74	487.07
				For 1/4" Static Pressure, Add	94.18	
				For 3/8" Static Pressure, Add	188.36	
				For 1/2" Static Pressure, Add	258.99	
23 34 13 00-0010	EA			30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,418.46	511.62
				For 1/4" Static Pressure, Add	111.62	
				For 3/8" Static Pressure, Add	223.24	
				For 1/2" Static Pressure, Add	306.95	
23 34 13 00-0011	EA			30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	2,935.89	639.53
				For 1/4" Static Pressure, Add	132.55	
				For 3/8" Static Pressure, Add	265.09	
				For 1/2" Static Pressure, Add	364.50	
23 34 13 00-0012	EA			36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	3,282.76	682.50
				For 1/4" Static Pressure, Add	153.47	
				For 3/8" Static Pressure, Add	306.95	
				For 1/2" Static Pressure, Add	422.05	
23 34 13 00-0013	EA			36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	3,841.46	786.88
				For 1/4" Static Pressure, Add	181.38	
				For 3/8" Static Pressure, Add	362.76	
				For 1/2" Static Pressure, Add	498.79	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)						
23 34 13 00-0015	EA			15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,231.22	330.51
				For 1/4" Static Pressure, Add	45.68	
				For 3/8" Static Pressure, Add	91.37	
				For 1/2" Static Pressure, Add	125.63	
23 34 13 00-0016	EA			15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,298.31	341.77
				For 1/4" Static Pressure, Add	49.29	
				For 3/8" Static Pressure, Add	98.58	
				For 1/2" Static Pressure, Add	135.55	
23 34 13 00-0017	EA			18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,341.87	353.02
				For 1/4" Static Pressure, Add	50.89	
				For 3/8" Static Pressure, Add	101.79	
				For 1/2" Static Pressure, Add	139.96	
23 34 13 00-0018	EA			18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,413.82	365.30
				For 1/4" Static Pressure, Add	54.64	
				For 3/8" Static Pressure, Add	109.27	
				For 1/2" Static Pressure, Add	150.25	
23 34 13 00-0019	EA			18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,567.80	379.62
				For 1/4" Static Pressure, Add	64.79	
				For 3/8" Static Pressure, Add	129.57	
				For 1/2" Static Pressure, Add	178.16	
23 34 13 00-0020	EA			24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,648.71	393.95
				For 1/4" Static Pressure, Add	68.93	
				For 3/8" Static Pressure, Add	137.86	
				For 1/2" Static Pressure, Add	189.55	
23 34 13 00-0021	EA			24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,820.45	409.30
				For 1/4" Static Pressure, Add	80.15	
				For 3/8" Static Pressure, Add	160.30	
				For 1/2" Static Pressure, Add	220.41	
23 34 13 00-0022	EA			24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	2,010.97	409.30
				For 1/4" Static Pressure, Add	95.50	
				For 3/8" Static Pressure, Add	190.99	
				For 1/2" Static Pressure, Add	262.61	
23 34 13 00-0023	EA			30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,307.53	445.11
				For 1/4" Static Pressure, Add	113.54	
				For 3/8" Static Pressure, Add	227.09	
				For 1/2" Static Pressure, Add	312.25	
23 34 13 00-0024	EA			30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,744.61	539.25
				For 1/4" Static Pressure, Add	133.58	
				For 3/8" Static Pressure, Add	267.16	
				For 1/2" Static Pressure, Add	367.35	
23 34 13 00-0025	EA			30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	3,068.85	539.25
				For 1/4" Static Pressure, Add	159.16	
				For 3/8" Static Pressure, Add	318.32	
				For 1/2" Static Pressure, Add	437.69	
23 34 13 00-0026	EA			36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,358.34	568.92
				For 1/4" Static Pressure, Add	177.71	
				For 3/8" Static Pressure, Add	355.42	
				For 1/2" Static Pressure, Add	488.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,652.19 196.10 392.19 539.26	601.67
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,241.03 213.73 427.46 587.76	786.88
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,752.57 254.65 509.31 700.30	787.89
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,400.40 283.74 567.47 780.27	929.93
23 34 16 Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001 Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	1,200.38	224.80
23 34 16 00-0006 EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,729.12	233.30
23 34 16 00-0007 EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,778.76	185.92
23 34 16 00-0008 EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,857.73	254.79
23 34 16 00-0009 EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,902.52	270.14
23 34 16 00-0010 EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,963.17	281.39
23 34 16 00-0011 EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	2,023.64	299.81
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,995.49	245.58
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,031.18	254.79
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,097.63	270.14
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,136.33	281.39
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,208.05	299.81
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,279.71	314.14
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,009.53	254.79
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,054.35	270.14
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,114.68	281.39
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,164.75	299.81
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,229.21	314.14
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,319.00	337.67
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	2,389.22	355.07
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,303.27	270.14
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,386.09	281.39
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,477.29	299.81
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,524.94	314.14
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,587.12	337.67
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,640.53	355.07
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,933.23	385.77
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,379.84	281.39
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,435.31	299.81
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,510.60	314.14
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,567.93	337.67
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,648.96	355.07
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,770.90	385.77
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,849.62	409.30
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,966.36	450.23
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,402.85	299.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,478.11	314.14
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,567.93	337.67
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,648.96	355.07
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,803.36	385.77
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,021.23	409.30
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,171.38	450.23
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,328.33	481.95
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,892.99	314.14
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,945.25	337.67
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,018.74	355.07
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,110.01	385.77
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,232.91	409.30
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,270.58	450.23
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,349.98	481.95
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,491.79	540.28
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,484.25	337.67
23 34 16 00-0064 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,593.41	385.77
23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,704.61	409.30
23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,820.74	450.23
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,923.57	481.95
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,011.28	540.28
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,136.59	587.34
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,432.38	675.34
23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure <small>(23 34 16 00-0003)</small>		
23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,862.91	355.07
23 34 16 00-0073 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,975.19	409.30
23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,091.30	450.23
23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,194.15	481.95
23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,335.96	540.28
23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,460.94	587.34
23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,779.73	675.34
23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,816.66	750.04
23 34 16 00-0080 Large Industrial Type Utility Backward Centrifugal Fans <small>(23 34 16 00-0002)</small>		
<small>Note: Over 30" diameter wheel.</small>		
23 34 16 00-0081 30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,417.09	450.23
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,515.68	481.95
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,667.16	540.28
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,802.95	587.34
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,001.69	675.34
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,180.32	750.04
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,472.65	900.46
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,742.65	1,038.60
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,358.70	481.95
23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,554.62	540.28
23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,734.04	587.34
23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,975.74	675.34
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,197.67	750.04
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,533.27	900.46
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,911.18	1,038.60
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,431.89	1,350.69
23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure <small>(23 34 16 00-0080)</small>		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,253.17	540.28
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,324.36	587.34
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,457.82	675.34
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,593.33	750.04
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,352.06	900.46
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,653.89	1,038.60
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,221.20	1,350.69
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,827.87	1,688.35
23 34 16 00-0108 Kitchen System Fans <small>(23 34 16 00-0001)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0109 Upblast Kitchen Exhaust Fans <small>(23 34 16 00-0108)</small>		
23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
Note: Greenheck CJE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	803.38	133.02
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	30.45	
For Backdraft Damper, Add	83.93	
For Damper Motor, Add	127.81	
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	924.35	133.02
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	30.45	
For Backdraft Damper, Add	83.93	
For Damper Motor, Add	127.81	
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans <small>(23 34 16 00-0109)</small>		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,306.60	133.02
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	30.45	
For Wall Mounted Fan, Add	52.26	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	88.45	
For Backdraft Damper, Add	83.93	
For Damper Motor, Add	127.81	
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,359.10	133.02
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	30.45	
For Wall Mounted Fan, Add	54.36	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	92.91	
For Backdraft Damper, Add	83.93	
For Damper Motor, Add	127.81	
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,197.37	153.48
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	34.65	
For Wall Mounted Fan, Add	47.89	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	75.68	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,272.97	153.48
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	34.65	
For Wall Mounted Fan, Add	50.92	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	82.11	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	
23 34 16 00-0118 EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,605.54	179.06
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	34.65	
For Wall Mounted Fan, Add	64.22	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	106.03	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	
23 34 16 00-0119 EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,686.39	179.06
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	34.65	
For Wall Mounted Fan, Add	67.46	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	112.90	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	



Heating, Ventilating, And Air-Conditioning (HVAC)			23
HVAC Air Distribution			23 30
HVAC Fans			23 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0120 EA 18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,834.82	191.86
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	57.75	
For Wall Mounted Fan, Add	73.39	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	123.34	
For Backdraft Damper, Add	115.16	
For Damper Motor, Add	127.81	
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,960.82	191.86
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	57.75	
For Wall Mounted Fan, Add	78.43	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	134.05	
For Backdraft Damper, Add	115.16	
For Damper Motor, Add	127.81	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,001.10	204.65
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	57.75	
For Wall Mounted Fan, Add	80.04	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	135.30	
For Backdraft Damper, Add	115.16	
For Damper Motor, Add	127.81	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,178.55	204.65
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	57.75	
For Wall Mounted Fan, Add	87.14	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	150.39	
For Backdraft Damper, Add	115.16	
For Damper Motor, Add	127.81	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,504.81	230.23
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	68.25	
For Wall Mounted Fan, Add	100.19	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	173.77	
For Backdraft Damper, Add	125.28	
For Damper Motor, Add	127.81	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,667.56	230.23
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	68.25	
For Wall Mounted Fan, Add	106.70	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	187.60	
For Backdraft Damper, Add	125.28	
For Damper Motor, Add	127.81	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,148.17	255.81
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	73.50	
For Wall Mounted Fan, Add	125.93	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	224.11	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,201.72	255.81
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	73.50	
For Wall Mounted Fan, Add	128.07	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	228.66	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,473.67	255.81
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	73.50	
For Wall Mounted Fan, Add	138.95	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	251.77	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,604.92	3,604.92	255.81
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	73.50	
For Wall Mounted Fan, Add	144.20	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	262.93	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,969.14	3,969.14	281.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	84.00	
For Wall Mounted Fan, Add	158.77	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	289.54	
For Damper Motor, Add	127.81	
For Backdraft Damper, Add	159.65	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,120.08	4,120.08	281.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	84.00	
For Wall Mounted Fan, Add	164.80	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	302.37	
For Damper Motor, Add	127.81	
For Backdraft Damper, Add	159.65	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,175.46	4,175.46	306.97
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	84.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	302.73	
For Damper Motor, Add	127.81	
For Backdraft Damper, Add	182.30	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....4,506.84	4,506.84	306.97
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	84.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	330.90	
For Damper Motor, Add	127.81	
For Backdraft Damper, Add	182.30	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan .....884.13	884.13	133.02
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	159.20	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....923.27	923.27	133.02
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	165.07	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....971.30	971.30	133.02
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	172.27	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....989.93	989.93	133.02
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	175.07	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,135.51	1,135.51	179.06
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	206.14	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,359.30	1,359.30	204.65
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	244.83	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan .....1,591.62	1,591.62	255.81
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	289.91	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan .....1,923.90	1,923.90	306.97
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	349.98	
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement.....	762.19	355.72
23 34 16 00-0148 EA Fan Belt, Replacement	116.88	48.27
23 34 16 00-0149 Corrosive Fume Resistant Plastic <small>(23 34 16 00-0001)</small>		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure <small>(23 34 16 00-0149)</small>		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,476.95	185.04
<i>For Explosion Proof Motor, Add</i>	466.03	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,793.51	222.28
<i>For Explosion Proof Motor, Add</i>	502.34	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,509.89	277.84
<i>For Explosion Proof Motor, Add</i>	593.13	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,897.30	370.64
<i>For Explosion Proof Motor, Add</i>	623.39	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,711.16	555.69
<i>For Explosion Proof Motor, Add</i>	689.97	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	9,969.76	1,111.38
<i>For Explosion Proof Motor, Add</i>	1,162.05	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	14,515.44	1,588.72
<i>For Explosion Proof Motor, Add</i>	1,700.71	
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive <small>(23 34 16 00-0149)</small>		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,476.95	185.04
<i>For Explosion Proof Motor, Add</i>	466.03	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,591.77	222.28
<i>For Explosion Proof Motor, Add</i>	472.08	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,702.91	277.84
<i>For Explosion Proof Motor, Add</i>	472.08	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	3,888.58	370.64
<i>For Explosion Proof Motor, Add</i>	472.08	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,388.37	555.69
<i>For Explosion Proof Motor, Add</i>	641.55	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	5,666.21	694.61
<i>For Explosion Proof Motor, Add</i>	641.55	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	5,866.69	794.86
<i>For Explosion Proof Motor, Add</i>	641.55	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,024.76	833.53
<i>For Explosion Proof Motor, Add</i>	653.65	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,250.34	926.11
<i>For Explosion Proof Motor, Add</i>	659.71	
23 34 16 00-0168 In-Line Duct Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0169 Direct Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small>		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,037.07	133.02
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,308.80	143.26
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,432.94	153.48
Note: 115V. Includes disconnect switch.		
23 34 16 00-0173 Belt Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small>		
Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	1,492.91	153.48
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	1,717.51	179.06
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan.....	1,917.67	179.06
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,087.83	179.06
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan.....	2,052.28	204.65
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,340.45	204.65
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i> 23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i> 23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i> 23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i> 23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i> 23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	2,975.43 -50.00 85.00 3,134.51 85.00 3,246.65 85.00 3,761.75 85.00 3,895.59 85.00 4,060.08 85.00	255.81 255.81 255.81 306.97 306.97 306.97
23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187 EA 950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0188 EA 1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0189 EA 1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0190 EA 950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0191 EA 1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0192 EA 1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0193 EA 900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0194 EA 1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0195 EA 1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0196 EA 1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0197 EA 1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0198 EA 1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0199 EA 1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0200 EA 1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0201 EA 1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0202 EA 950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0203 EA 1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0204 EA 1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan 23 34 16 00-0205 EA 1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan	318.71 333.41 353.36 352.31 352.31 383.81 450.75 395.10 416.10 429.75 445.50 445.50 683.59 588.04 588.04 767.59 767.59 767.59 767.59 827.44	89.54 89.54 89.54 89.54 89.54 89.54 94.65 94.65 94.65 94.65 94.65 94.65 99.76 99.76 99.76 99.76 99.76 99.76 99.76 99.76
23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206) Note: Greenheck Model SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> 23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> 23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> 23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i> 23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i> 23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i> 23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	458.41 87.70 153.68 490.31 95.81 153.68 543.16 105.93 157.85 755.53 125.05 160.98 127.84 801.64 125.05 165.16 136.20 899.48 149.16 169.32 144.58 1,022.44 149.16 172.45 156.10	109.49 121.76 135.06 149.39 165.76 184.18 204.65
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter 23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter 23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter 23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter 23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	1,555.07 1,785.88 2,043.32 2,799.64 3,395.90	292.65 340.74 409.30 511.62 682.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	4,775.89	1,023.24
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	5,797.69	1,311.80
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	82.10	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	185.00	
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed	366.24	49.71
<i>For Brass Plated Motor, Add</i>	20.25	
<i>For Light Kit, Add</i>	25.83	
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed	398.96	123.02
<i>For Brass Plated Motor, Add</i>	20.25	
<i>For Light Kit, Add</i>	25.88	
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed	453.94	123.02
<i>For Brass Plated Motor, Add</i>	20.25	
<i>For Light Kit, Add</i>	25.98	
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed	385.68	50.66
23 34 16 00-0234 Explosion Proof Industrial Blowers (23 34 16 00-0206)		
23 34 16 00-0235 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	2,990.82	
23 34 16 00-0236 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	3,264.96	
23 34 16 00-0237 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	4,278.17	
23 34 16 00-0238 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	4,466.90	
23 34 16 00-0239 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	2,744.48	
23 34 16 00-0240 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	2,909.01	
23 34 16 00-0241 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	3,915.40	
23 34 16 00-0242 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	4,225.83	
23 34 16 00-0243 Exhaust Fans (23 34 16)		
23 34 16 00-0244 Exhaust Fans (23 34 16 00-0243) Note: Excludes ducting.		
23 34 16 00-0245 Light Duty Exhaust Fans (23 34 16 00-0244)		
23 34 16 00-0246 Light Duty Exhaust Fans (23 34 16 00-0245)		
23 34 16 00-0247 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670)	106.99	40.17
23 34 16 00-0248 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671)	111.44	40.17
23 34 16 00-0249 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505)	164.86	40.17
23 34 16 00-0250 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504)	200.59	40.17
23 34 16 00-0251 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503)	182.45	40.17
23 34 16 00-0252 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502)	233.18	40.17
23 34 16 00-0253 Light Duty Exhaust Fans With Lights (23 34 16 00-0245)		
23 34 16 00-0254 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	130.79	40.17
23 34 16 00-0255 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	141.94	40.17
23 34 16 00-0256 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	239.99	40.17
23 34 16 00-0257 Light Duty Exhaust Fans With Heaters (23 34 16 00-0245)		
23 34 16 00-0258 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	133.20	40.17
23 34 16 00-0259 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	194.34	40.17
23 34 16 00-0260 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0245)		
23 34 16 00-0261 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	204.94	40.17
23 34 16 00-0262 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	295.93	40.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 34 16 00-0263		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0244)			
23 34 16 00-0264		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0263)			
		Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0265	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	150.04		40.17
23 34 16 00-0266	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	162.82		40.17
23 34 16 00-0267	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	273.41		40.17
23 34 16 00-0268	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	279.33		40.17
23 34 16 00-0269	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	297.76		40.17
23 34 16 00-0270	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	309.54		40.17
23 34 16 00-0271	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	314.10		40.17
23 34 16 00-0272	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	355.25		40.17
23 34 16 00-0273	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	400.63		40.17
23 34 16 00-0274	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	426.48		40.17
23 34 16 00-0275	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	501.98		40.17
23 34 16 00-0276	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	636.49		40.17
23 34 16 00-0277		Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0263)			
		Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0278	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	282.78		40.17
23 34 16 00-0279	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	397.23		40.17
23 34 16 00-0280	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	418.43		40.17
23 34 16 00-0281		Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0263)			
23 34 16 00-0282	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	160.50		40.17
23 34 16 00-0283	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	172.50		40.17
23 34 16 00-0284		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0263)			
23 34 16 00-0285	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	165.77		40.17
23 34 16 00-0286	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	173.72		40.17
23 34 16 00-0287	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	177.55		40.17
23 34 16 00-0288		Room-To-Room Exhaust Fans (23 34 16 00-0244)			
23 34 16 00-0289	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	127.79		40.17
23 34 16 00-0290	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	192.68		40.17
23 34 16 00-0291	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	216.32		40.17
23 34 16 00-0292		Through-Wall Exhaust Fans (23 34 16 00-0244)			
23 34 16 00-0293	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	203.96		40.17
23 34 16 00-0294	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	236.55		40.17
23 34 16 00-0295	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	181.55		40.17
23 34 16 00-0296	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	233.18		40.17
23 34 16 00-0297	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	386.02		40.17
23 34 16 00-0298		Exhaust Fan Accessories (23 34 16 00-0244)			
23 34 16 00-0299		Exhaust Fan Controls (23 34 16 00-0298)			
23 34 16 00-0300	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	114.27		25.10
23 34 16 00-0301	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	85.44		25.10
23 34 16 00-0302	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	86.13		25.10
23 34 16 00-0303		Roof And Wall Caps For Exhaust Fans (23 34 16 00-0298)			
23 34 16 00-0304		Wall Caps For Exhaust Fans (23 34 16 00-0303)			
23 34 16 00-0305	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	200.20		55.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0306 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	202.47	55.57
23 34 16 00-0307 Roof Caps For Exhaust Fans (23 34 16 00-0303)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0308 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611).....	176.78	55.57
23 34 16 00-0309 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612).....	235.71	55.57
23 34 16 00-0310 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636).....	131.48	55.57
23 34 16 00-0311 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634).....	149.16	55.57
23 34 16 00-0312 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0244)		
Note: Includes storage and cleaning.		
23 34 16 00-0313 EA Remove And Reinstall Light Duty Ceiling Exhaust Fan.....	76.74	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck Model G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	537.67	146.33
Note: Three speed motor.		
For 12" Roof Curb, Add	154.83	
For Backdraft Damper, Add	76.81	
For Solid State Speed Control, Add	75.58	
For Damper Motor, Add	127.81	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	610.15	165.76
Note: Three speed motor.		
For 12" Roof Curb, Add	154.83	
For Backdraft Damper, Add	76.81	
For Solid State Speed Control, Add	75.58	
For Damper Motor, Add	127.81	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	848.65	193.39
For 12" Roof Curb, Add	157.98	
For Backdraft Damper, Add	83.93	
For Solid State Speed Control, Add	75.58	
For Damper Motor, Add	127.81	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	905.08	217.96
For 12" Roof Curb, Add	157.98	
For Backdraft Damper, Add	83.93	
For Solid State Speed Control, Add	75.58	
For Damper Motor, Add	127.81	
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,119.53	240.47
For Solid State Speed Control, Add	75.58	
For Damper Motor, Add	127.81	
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,240.67	255.81
For 12" Roof Curb, Add	163.23	
For Backdraft Damper, Add	95.05	
For Solid State Speed Control, Add	108.13	
For Damper Motor, Add	127.81	
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck Model GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,134.14	217.96
For 12" Roof Curb, Add	157.98	
For Backdraft Damper, Add	83.93	
For Damper Motor, Add	127.81	
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,233.56	277.30
For 12" Roof Curb, Add	163.23	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,650.86	330.51
For 12" Roof Curb, Add	163.23	
For Backdraft Damper, Add	95.05	
For Damper Motor, Add	127.81	
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,100.61	409.30
For 12" Roof Curb, Add	188.43	
For Backdraft Damper, Add	115.16	
For Damper Motor, Add	127.81	
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,758.54	511.62
For 12" Roof Curb, Add	199.98	
For Backdraft Damper, Add	125.28	
For Damper Motor, Add	127.81	
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,506.11	639.53
For 12" Roof Curb, Add	217.83	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,531.31	639.53
For 12" Roof Curb, Add	217.83	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,803.26	639.53
For 12" Roof Curb, Add	217.83	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,938.81	639.53
For 12" Roof Curb, Add	217.83	
For Backdraft Damper, Add	138.39	
For Damper Motor, Add	127.81	
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)		
Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	5,122.72	786.88
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	8,202.12	1,022.94
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	2,094.70	408.58
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,801.63	511.52
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat	92.70	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)		
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)		
Note: Greenheck Model CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	652.95	164.75
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	92.58	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	73.24	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	751.07	193.39
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	103.70	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	86.85	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,088.54	217.96
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	117.81	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	100.48	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,396.48	123.37
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	113.52	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	150.85	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,482.19	138.93
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	113.52	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	150.85	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,810.96	158.93
For Solid State Speed Control, Add	108.13	
For Backdraft Damper, Add	139.37	
For Damper Motor, Add	198.16	
For Interior Wall Grill, Add	174.98	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
Note: Includes housing and controls.		
23 34 33 00-0002 Personnel Entrance Unheated Air Curtains (23 34 33 00-0001)		
23 34 33 00-0003 EA Air Curtain For 3' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,938.50	750.04
23 34 33 00-0004 EA Air Curtain For 3.5' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,955.93	750.04
23 34 33 00-0005 EA Air Curtain For 4' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	1,964.64	750.04
23 34 33 00-0006 EA Air Curtain For 5' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	2,339.28	750.04
23 34 33 00-0007 EA Air Curtain For 6' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	2,889.04	900.46
23 34 33 00-0008 EA Air Curtain For 7' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	3,002.31	900.46
23 34 33 00-0009 EA Air Curtain For 10' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	3,978.91	1,038.60
23 34 33 00-0010 EA Air Curtain For 12' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	4,623.64	1,038.60
23 34 33 00-0011 EA Air Curtain For 15' x 10' Personnel Entrance, Unheated, Including Housing And Controls.....	5,181.25	1,038.60



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0012				Receiving/Service Entrance Unheated Air Curtains (23 34 33 00-0001) Note: Normal door sizes.		
				23 34 33 00-0013 EA Air Curtain, 3' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,943.73	750.04
				23 34 33 00-0014 EA Air Curtain, 3.5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,943.73	750.04
				23 34 33 00-0015 EA Air Curtain, 4' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	1,959.41	750.04
				23 34 33 00-0016 EA Air Curtain, 5' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,156.32	750.04
				23 34 33 00-0017 EA Air Curtain, 6' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,662.51	900.46
				23 34 33 00-0018 EA Air Curtain, 7' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,967.45	900.46
				23 34 33 00-0019 EA Air Curtain, 8' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	3,219.17	1,038.60
				23 34 33 00-0020 EA Air Curtain, 10' x 8' Service/Receiving Entrance, Unheated, Including Housing And Controls	3,961.48	1,038.60
				23 34 33 00-0021 EA Air Curtain, 4' x 10' Service/Receiving Entrance, Unheated, Including Housing And Controls	2,260.87	750.04
23 34 33 00-0022				Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
				23 34 33 00-0023 EA Air Curtain For 2.5' x 5' Service Window, Unheated, Including Housing And Controls	2,406.24	1,174.69
23 34 33 00-0024				Heated Air Curtains For Entrances (23 34 33) Note: Includes housing and controls.		
				23 34 33 00-0025 EA 60" Heated Air Curtain With 1- 300 MBH Heater	3,501.59	660.50
				23 34 33 00-0026 EA 60" Heated Air Curtain With 1- 400 MBH Heater	3,792.29	660.50
				23 34 33 00-0027 EA 72" Heated Air Curtain With 1- 350 MBH Heater	4,201.25	792.50
				23 34 33 00-0028 EA 72" Heated Air Curtain With 2- 250 MBH Heaters	4,550.09	792.50
				23 34 33 00-0029 EA 96" Heated Air Curtain With 1- 400 MBH Heater	5,600.80	1,056.51
				23 34 33 00-0030 EA 96" Heated Air Curtain With 2- 350 MBH Heaters	6,065.92	1,056.51
				23 34 33 00-0031 EA 117" Heated Air Curtain With 2- 300 MBH Heaters	6,825.05	1,287.24
				23 34 33 00-0032 EA 117" Heated Air Curtain With 2- 400 MBH Heaters	7,391.91	1,287.24
				23 34 33 00-0033 EA 147" Heated Air Curtain With 2- 350 MBH Heaters	8,575.64	1,617.24
				23 34 33 00-0034 EA 147" Heated Air Curtain With 3- 350 MBH Heaters	9,985.54	1,617.24
				23 34 33 00-0035 EA 168" Heated Air Curtain With 2- 400 MBH Heaters	9,801.39	1,848.49
				23 34 33 00-0036 EA 168" Heated Air Curtain With 3- 400 MBH Heaters	11,412.35	1,848.49
				23 34 33 00-0037 EA 192" Heated Air Curtain With 2- 400 MBH Heaters	11,198.11	2,112.49
				23 34 33 00-0038 EA 192" Heated Air Curtain With 4- 350 MBH Heaters	13,039.21	2,112.49
23 35				Special Exhaust Systems (23 30) See CSI section 23 31 13 16-0063 for spiral duct/piping.		
23 35 13				Dust Collection Systems (23 35)		
23 35 13 00-0001				Dust Collector System (23 35 13)		
				23 35 13 00-0002 EA 1.5 HP Dust Collector Central Vacuum Unit	3,053.03	889.10
				Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
				23 35 13 00-0003 EA 2 HP Dust Collector Central Vacuum Unit	3,474.50	1,055.81
				Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
				23 35 13 00-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit	4,134.16	1,222.52
				Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
				23 35 13 00-0005 EA 3 HP Dust Collector Central Vacuum Unit	4,759.61	1,444.80
				Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
				23 35 13 00-0006 EA 5 HP Dust Collector Central Vacuum Unit	8,648.30	1,568.41
				Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
				23 35 13 00-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit	10,432.08	1,829.81
				Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
				23 35 13 00-0008 EA 10 HP Dust Collector Central Vacuum Unit	11,945.63	2,091.21
				Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
				23 35 13 00-0009 EA 15 HP Dust Collector Central Vacuum Unit	13,476.40	2,404.89
				Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
				23 35 13 00-0010 EA 20 HP Dust Collector Central Vacuum Unit	15,066.70	2,718.58
				Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 00-0011				Vacuum Tubing And Accessories (23 35 13)		
23 35 13 00-0012				Vacuum Tubing (23 35 13 00-0011)		
23 35 13 00-0013				Galvanized Vacuum Tubing (23 35 13 00-0012)		
				23 35 13 00-0014 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	6.40	1.84
				23 35 13 00-0015 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	7.05	1.94
				23 35 13 00-0016 LF 3" Outside Diameter Vacuum Tubing, Galvanized.....	8.07	2.05
				23 35 13 00-0017 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	9.93	2.15
				23 35 13 00-0018 LF 4" Outside Diameter Vacuum Tubing, Galvanized.....	10.25	2.25
				23 35 13 00-0019 LF 5" Outside Diameter Vacuum Tubing, Galvanized.....	15.66	2.55
				23 35 13 00-0020 LF 6" Outside Diameter Vacuum Tubing, Galvanized.....	17.68	2.97
				23 35 13 00-0021 LF 8" Outside Diameter Vacuum Tubing, Galvanized.....	24.08	4.09
				23 35 13 00-0022 LF 10" Outside Diameter Vacuum Tubing, Galvanized.....	28.57	5.12
				23 35 13 00-0023 LF 12" Outside Diameter Vacuum Tubing, Galvanized.....	64.48	6.76
23 35 13 00-0024				Flexible Hose (23 35 13 00-0011)		
				23 35 13 00-0025 LF 2" Flexible Hose.....	8.07	1.84
				23 35 13 00-0026 LF 3" Flexible Hose.....	9.51	2.05

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0027 LF 4" Flexible Hose.....	10.35	2.25
23 35 13 00-0028 90 Degree Elbow (23 35 13 00-0011)		
23 35 13 00-0029 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	34.96	11.76
23 35 13 00-0030 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	41.09	12.59
23 35 13 00-0031 EA 3" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	48.91	13.71
23 35 13 00-0032 EA 3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	56.29	14.84
23 35 13 00-0033 EA 4" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	65.51	16.37
23 35 13 00-0034 EA 5" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	98.21	18.21
23 35 13 00-0035 EA 6" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	126.14	20.46
23 35 13 00-0036 EA 8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	215.61	27.32
23 35 13 00-0037 45 Degree Elbow (23 35 13 00-0011)		
23 35 13 00-0038 EA 2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	33.59	11.76
23 35 13 00-0039 EA 2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	39.97	12.59
23 35 13 00-0040 EA 3" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	45.13	13.71
23 35 13 00-0041 EA 3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	52.03	14.84
23 35 13 00-0042 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	61.57	16.37
23 35 13 00-0043 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	84.53	18.21
23 35 13 00-0044 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	106.03	20.46
23 35 13 00-0045 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	181.83	27.32
23 35 13 00-0046 Wye (23 35 13 00-0011)		
23 35 13 00-0047 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	61.42	19.45
23 35 13 00-0048 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	70.97	20.97
23 35 13 00-0049 EA 3" Wye, Vacuum Tubing, Galvanized.....	83.30	22.51
23 35 13 00-0050 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	97.96	25.07
23 35 13 00-0051 EA 4" Wye, Vacuum Tubing, Galvanized.....	123.90	27.12
23 35 13 00-0052 EA 5" Wye, Vacuum Tubing, Galvanized.....	191.24	30.18
23 35 13 00-0053 EA 6" Wye, Vacuum Tubing, Galvanized.....	246.45	34.28
23 35 13 00-0054 EA 8" Wye, Vacuum Tubing, Galvanized.....	452.17	37.35
23 35 13 00-0055 EA 10" Wye, Vacuum Tubing, Galvanized.....	613.87	40.93
23 35 13 00-0056 EA 12" Wye, Vacuum Tubing, Galvanized.....	769.02	45.84
23 35 13 00-0057 Reducer (23 35 13 00-0011)		
23 35 13 00-0058 EA 3" Reducer, Vacuum Tubing, Galvanized.....	37.89	13.71
23 35 13 00-0059 EA 4" Reducer, Vacuum Tubing, Galvanized.....	41.77	14.84
23 35 13 00-0060 EA 5" Reducer, Vacuum Tubing, Galvanized.....	49.98	16.37
23 35 13 00-0061 EA 6" Reducer, Vacuum Tubing, Galvanized.....	54.54	18.21
23 35 13 00-0062 EA 8" Reducer, Vacuum Tubing, Galvanized.....	62.86	20.46
23 35 13 00-0063 Air Gate Valve, Galvanized (23 35 13 00-0011)		
23 35 13 00-0064 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	185.18	27.32
23 35 13 00-0065 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	194.64	29.16
23 35 13 00-0066 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized.....	221.56	31.41
23 35 13 00-0067 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	249.00	33.56
23 35 13 00-0068 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized.....	278.84	35.61
23 35 13 00-0069 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized.....	327.52	40.62
23 35 13 00-0070 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized.....	375.31	45.54
23 35 16 Engine Exhaust Systems (23 35)		
23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)		
23 35 16 16-0001 Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002 Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003 Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004 Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,148.49	217.96
23 35 16 16-0006 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,633.55	445.11
23 35 16 16-0007 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,603.94	539.25
23 35 16 16-0008 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,569.95	445.11
23 35 16 16-0010 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,786.98	539.25
23 35 16 16-0011 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,494.63	853.39
23 35 16 16-0012 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,319.60	1,101.01
23 35 16 16-0013 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,399.55	1,311.80
23 35 16 16-0014 Spiral Exhaust Duct Accessories (23 35 16 16-0002)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0015				Flex Hose x Length <small>(23 35 16 16-0014)</small> Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA			3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	171.38	54.23
23 35 16 16-0017	EA			3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	142.31	54.23
23 35 16 16-0018	EA			4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	261.45	85.96
23 35 16 16-0019	EA			4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	212.87	85.96
23 35 16 16-0020	EA			5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	362.95	136.09
23 35 16 16-0021	EA			5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	345.56	136.09
23 35 16 16-0022	EA			6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	550.38	215.90
23 35 16 16-0023	EA			6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	513.80	215.90
23 35 16 16-0024				Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
23 35 16 16-0025	EA			4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	194.57	54.23
23 35 16 16-0026	EA			5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	278.38	85.96
23 35 16 16-0027	EA			4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	161.08	54.23
23 35 16 16-0028	EA			5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	228.69	85.96
23 35 16 16-0029	EA			6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,717.61	73.06
23 35 16 16-0030	EA			8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,464.75	134.05
23 35 16 16-0031	EA			10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,622.21	134.05
23 35 16 16-0032	LF			8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	76.72	10.44
23 35 16 16-0033	LF			10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	86.39	10.44
23 35 16 16-0034				Flexible Hose <small>(23 35 16 16-0014)</small>		
23 35 16 16-0035	LF			3" Stainless Steel Flexible Tubing.....	22.62	2.55
23 35 16 16-0036	LF			4" Stainless Steel Flexible Tubing.....	28.43	2.87
23 35 16 16-0037	LF			5" Stainless Steel Flexible Tubing.....	33.47	2.97
23 35 16 16-0038	LF			6" Stainless Steel Flexible Tubing.....	39.20	3.17
23 35 16 16-0039	LF			3" Galvanized Flexible Tubing.....	13.69	2.55
23 35 16 16-0040	LF			4" Galvanized Flexible Tubing.....	15.92	2.87
23 35 16 16-0041	LF			5" Galvanized Flexible Tubing.....	18.03	2.97
23 35 16 16-0042	LF			6" Galvanized Flexible Tubing.....	19.97	3.17
23 35 16 16-0043				Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0044	EA			3" Tail Pipe Adapter.....	63.41	7.67
23 35 16 16-0045	EA			4" Tail Pipe Adapter.....	65.33	7.67
23 35 16 16-0046	EA			5" Tail Pipe Adapter.....	69.30	8.70
23 35 16 16-0047	EA			3" Bullnose (Guide).....	34.80	5.12
23 35 16 16-0048	EA			4" Bullnose (Guide).....	36.88	5.63
23 35 16 16-0049	EA			5" Bullnose (Guide).....	39.30	6.14
23 35 16 16-0050	EA			Flex-Hose Winch And Associated Hardware.....	245.40	58.02
23 35 16 16-0051	LF			Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.16	
23 35 16 16-0052				Automatic Exhaust Extraction System <small>(23 35 16 16-0001)</small> Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.		
23 35 16 16-0053	EA			Magnatrack System For One Vehicle (30" To 40" Track).....	20,239.20	
23 35 16 16-0054	EA			Magnatrack System For Two Vehicles (2 Each 30" Tracks).....	29,234.40	
23 35 16 16-0055	EA			Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....	29,234.40	
23 35 16 16-0056	EA			Magnarail System For One Vehicle (33" Rail).....	23,987.20	
23 35 16 16-0057	EA			Magnarail System For Two Vehicles in Tandem (66" Rail).....	35,980.80	
23 35 16 16-0058	EA			Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....	18,740.00	
23 35 19				Fume Exhaust <small>(23 35)</small>		
23 35 19 00-0001	EA			Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,710.92	408.99
23 35 19 00-0002	EA			Hose Extension Kit 5'.....	333.74	90.86
23 36				Air Terminal Units <small>(23 30)</small>		
23 36 13				Constant-Air-Volume Units <small>(23 36)</small>		
23 36 13 00-0001				Vertical Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0002	EA			60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,321.55	140.73
23 36 13 00-0003	EA			90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,583.28	151.56
23 36 13 00-0004	EA			120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,687.39	156.98
23 36 13 00-0005	EA			150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,802.35	167.81
23 36 13 00-0006	EA			175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,027.20	173.22
23 36 13 00-0007				Horizontal Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0008	EA			60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,129.60	140.73
23 36 13 00-0009	EA			90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,343.21	151.56
23 36 13 00-0010	EA			120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,584.91	159.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0011 Duct Boxes, Constant Volume Control <small>(23 36 13)</small>		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	881.45	42.23
For Boxes With Motor, Add	20.00	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	974.72	45.57
For Boxes With Motor, Add	20.00	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,016.34	50.01
For Boxes With Motor, Add	20.00	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,036.40	52.24
For Boxes With Motor, Add	20.00	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,057.95	57.79
For Boxes With Motor, Add	20.00	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,208.89	64.46
For Boxes With Motor, Add	20.00	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,274.17	72.24
For Boxes With Motor, Add	20.00	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	1,364.64	86.69
For Boxes With Motor, Add	20.00	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	1,454.63	100.03
For Boxes With Motor, Add	20.00	
23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	1,217.70	42.23
For Boxes With Motor, Add	20.00	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	1,303.80	45.57
For Boxes With Motor, Add	20.00	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	1,364.12	50.01
For Boxes With Motor, Add	20.00	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	1,421.24	52.24
For Boxes With Motor, Add	20.00	
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	1,442.79	57.79
For Boxes With Motor, Add	20.00	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,656.68	65.57
For Boxes With Motor, Add	20.00	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,813.02	72.24
For Boxes With Motor, Add	20.00	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,963.52	86.69
For Boxes With Motor, Add	20.00	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	2,063.04	100.03
For Boxes With Motor, Add	20.00	
23 36 16 Variable-Air-Volume Units <small>(23 36)</small>		
23 36 16 00-0001 Variable Volume Terminal Unit <small>(23 36 16)</small>		
Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	306.06	51.12
For Filters And Frames, Add	6.30	
23 36 16 00-0004 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	345.12	57.79
For Filters And Frames, Add	6.30	
23 36 16 00-0005 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	386.81	64.46
For Filters And Frames, Add	6.30	
23 36 16 00-0006 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	421.51	72.24
For Filters And Frames, Add	6.30	
23 36 16 00-0007 EA 14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	571.14	155.48
For Filters And Frames, Add	6.30	
23 36 16 00-0008 EA 16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	752.00	184.49
For Filters And Frames, Add	6.30	
23 36 16 00-0009 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With pneumatic controls.		
23 36 16 00-0010 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	488.54	51.12
For Fan Powered Variable Air Volume Box, Add	393.85	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0011 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	536.16	57.79
For Fan Powered Variable Air Volume Box, Add	423.47	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0012 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	574.56	64.46
For Fan Powered Variable Air Volume Box, Add	439.44	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0013 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	612.55	72.24
<i>For Fan Powered Variable Air Volume Box, Add</i>	454.63	
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Pressure Independent Actuator, Add</i>	67.57	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	744.39	155.48
<i>For Fan Powered Variable Air Volume Box, Add</i>	517.50	
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Pressure Independent Actuator, Add</i>	67.57	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	939.75	184.49
<i>For Fan Powered Variable Air Volume Box, Add</i>	578.15	
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Pressure Independent Actuator, Add</i>	67.57	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	715.81	51.12
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018 EA 8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	758.17	57.79
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019 EA 10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	799.85	64.46
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020 EA 12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	850.36	72.24
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021 EA 14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	982.86	155.48
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022 EA 16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	996.04	155.48
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	534.68	101.02
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	590.96	115.02
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	642.06	129.92
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	707.58	144.93
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	800.61	166.71
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	902.69	200.05
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	430.34	69.46
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	468.80	76.40
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	508.00	83.35
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	548.00	90.30
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	588.89	97.24
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	630.65	104.19
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	675.92	111.13
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	719.91	118.08
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	765.02	125.03
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	811.34	131.98
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	858.98	138.93
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	907.98	145.87
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	958.48	152.82
<i>For Filters And Frames, Add</i>	6.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,007.14	159.76
For Filters And Frames, Add	6.30	
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,060.69	166.71
For Filters And Frames, Add	6.30	
23 37 Air Outlets And Inlets (23 30)		
23 37 13 Diffusers, Registers, And Grilles (23 37)		
23 37 13 00-0001 Wall And Floor Diffusers (23 37 13)		
23 37 13 00-0002 Slot Type Linear Diffusers (23 37 13 00-0001)		
Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 00-0003 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	37.77	5.56
For 3/4" Border, Add	3.61	
For Floor Mounted Diffusers, Add	4.33	
For Stainless Steel, Add	18.76	
23 37 13 00-0004 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	44.79	6.66
For 3/4" Border, Add	4.81	
For Floor Mounted Diffusers, Add	5.77	
For Stainless Steel, Add	25.01	
23 37 13 00-0005 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	59.22	7.78
For 3/4" Border, Add	7.58	
For Floor Mounted Diffusers, Add	9.09	
For Stainless Steel, Add	39.40	
23 37 13 00-0006 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	75.52	7.78
For 3/4" Border, Add	10.83	
For Floor Mounted Diffusers, Add	12.99	
For Stainless Steel, Add	56.29	
23 37 13 00-0007 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	93.00	8.90
For 3/4" Border, Add	14.07	
For Floor Mounted Diffusers, Add	16.89	
For Stainless Steel, Add	73.18	
23 37 13 00-0008 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	108.60	11.12
For 3/4" Border, Add	16.60	
For Floor Mounted Diffusers, Add	19.92	
For Stainless Steel, Add	86.31	
23 37 13 00-0009 Linear Bar Grilles And Registers (23 37 13 00-0001)		
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 00-0010 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	95.31	6.66
For Floor Mount, Add	6.98	
For Opposed Blade Damper, Add	13.95	
For Stainless Steel, Add	90.69	
23 37 13 00-0011 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	113.10	7.78
For Floor Mount, Add	8.42	
For Opposed Blade Damper, Add	16.84	
For Stainless Steel, Add	109.45	
23 37 13 00-0012 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	123.63	7.78
For Floor Mount, Add	9.14	
For Opposed Blade Damper, Add	18.28	
For Stainless Steel, Add	118.83	
23 37 13 00-0013 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	152.86	11.12
For Floor Mount, Add	11.07	
For Opposed Blade Damper, Add	22.13	
For Stainless Steel, Add	143.85	
23 37 13 00-0014 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	210.62	14.44
For Floor Mount, Add	15.40	
For Opposed Blade Damper, Add	30.79	
For Stainless Steel, Add	200.14	
23 37 13 00-0015 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	244.59	16.67
For Floor Mount, Add	17.56	
For Opposed Blade Damper, Add	35.12	
For Stainless Steel, Add	228.28	
23 37 13 00-0016 Ceiling Diffusers (23 37 13)		
23 37 13 00-0017 Ceiling Diffusers With Perforated Face (23 37 13 00-0016)		
Note: Flush mount, aluminum construction, includes damper.		
23 37 13 00-0018 EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	85.25	14.44
For Steel Construction, Deduct	-4.22	
For Surface Mount, Deduct	-3.37	
For Diffuser Without Damper, Deduct	-5.62	
For Stainless Steel, Add	70.25	
23 37 13 00-0019 EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	91.49	14.44
For Steel Construction, Deduct	-5.15	
For Surface Mount, Deduct	-4.12	
For Diffuser Without Damper, Deduct	-6.87	
For Stainless Steel, Add	85.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0020 EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	91.49	14.44
<i>For Steel Construction, Deduct</i>	-5.15	
<i>For Surface Mount, Deduct</i>	-4.12	
<i>For Diffuser Without Damper, Deduct</i>	-6.87	
<i>For Stainless Steel, Add</i>	85.85	
23 37 13 00-0021 EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	110.09	17.78
<i>For Steel Construction, Deduct</i>	-6.17	
<i>For Surface Mount, Deduct</i>	-4.93	
<i>For Diffuser Without Damper, Deduct</i>	-8.22	
<i>For Stainless Steel, Add</i>	102.75	
23 37 13 00-0022 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	110.09	16.67
<i>For Steel Construction, Deduct</i>	-6.17	
<i>For Surface Mount, Deduct</i>	-4.93	
<i>For Diffuser Without Damper, Deduct</i>	-8.22	
<i>For Stainless Steel, Add</i>	102.75	
23 37 13 00-0023 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	121.54	16.67
<i>For Steel Construction, Deduct</i>	-7.88	
<i>For Surface Mount, Deduct</i>	-6.31	
<i>For Diffuser Without Damper, Deduct</i>	-10.51	
<i>For Stainless Steel, Add</i>	131.38	
23 37 13 00-0024 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	143.10	22.22
<i>For Steel Construction, Deduct</i>	-8.48	
<i>For Surface Mount, Deduct</i>	-6.78	
<i>For Diffuser Without Damper, Deduct</i>	-11.30	
<i>For Stainless Steel, Add</i>	141.25	
23 37 13 00-0025 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	161.48	23.34
<i>For Steel Construction, Deduct</i>	-10.58	
<i>For Surface Mount, Deduct</i>	-8.47	
<i>For Diffuser Without Damper, Deduct</i>	-14.11	
<i>For Stainless Steel, Add</i>	176.38	
23 37 13 00-0026 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	184.31	26.68
<i>For Steel Construction, Deduct</i>	-11.77	
<i>For Surface Mount, Deduct</i>	-9.42	
<i>For Lay-In Mount, Deduct</i>	-9.42	
<i>For Diffuser Without Damper, Deduct</i>	-15.69	
<i>For Stainless Steel, Add</i>	196.15	
23 37 13 00-0027 Ceiling Diffusers With Louver Face <small>(23 37 13 00-0016)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 00-0028 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	87.33	14.44
<i>For Steel Construction, Deduct</i>	-4.53	
<i>For Flush Mount, Add</i>	4.53	
<i>For Stainless Steel, Add</i>	75.45	
23 37 13 00-0029 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	95.44	14.44
<i>For Steel Construction, Deduct</i>	-5.74	
<i>For Flush Mount, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	95.73	
23 37 13 00-0030 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	95.44	14.44
<i>For Steel Construction, Deduct</i>	-5.74	
<i>For Flush Mount, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	95.73	
23 37 13 00-0031 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	114.78	16.67
<i>For Steel Construction, Deduct</i>	-6.87	
<i>For Flush Mount, Add</i>	6.87	
<i>For Stainless Steel, Add</i>	114.48	
23 37 13 00-0032 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	114.78	17.78
<i>For Steel Construction, Deduct</i>	-6.87	
<i>For Flush Mount, Add</i>	6.87	
<i>For Stainless Steel, Add</i>	114.48	
23 37 13 00-0033 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	146.92	22.22
<i>For Steel Construction, Deduct</i>	-8.99	
<i>For Flush Mount, Add</i>	8.99	
<i>For Stainless Steel, Add</i>	149.85	
23 37 13 00-0034 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	135.89	22.22
<i>For Steel Construction, Deduct</i>	-7.34	
<i>For Flush Mount, Add</i>	7.34	
<i>For Stainless Steel, Add</i>	122.28	
23 37 13 00-0035 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	168.04	26.68
<i>For Steel Construction, Deduct</i>	-9.41	
<i>For Flush Mount, Add</i>	9.41	
<i>For Stainless Steel, Add</i>	156.88	
23 37 13 00-0036 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	189.05	30.00
<i>For Steel Construction, Deduct</i>	-11.71	
<i>For Flush Mount, Add</i>	11.71	
<i>For Stainless Steel, Add</i>	195.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0037 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	204.78	58.79
For Steel Construction, Deduct	-13.07	
For Flush Mount, Add	13.07	
For Lay-In Mount, Add	17.42	
For Stainless Steel, Add	217.75	
23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		
23 37 13 00-0039 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	124.69	14.44
For Steel Construction, Deduct	-20.26	
For Stainless Steel, Add	168.85	
23 37 13 00-0040 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	128.16	14.44
For Steel Construction, Deduct	-21.30	
For Stainless Steel, Add	177.53	
23 37 13 00-0041 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	146.93	17.78
For Steel Construction, Deduct	-23.38	
For Stainless Steel, Add	194.85	
23 37 13 00-0042 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	155.59	16.67
For Steel Construction, Deduct	-25.98	
For Stainless Steel, Add	216.50	
23 37 13 00-0043 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	213.38	20.00
For Steel Construction, Deduct	-40.01	
For Stainless Steel, Add	333.40	
23 37 13 00-0044 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	224.50	21.12
For Steel Construction, Deduct	-42.35	
For Stainless Steel, Add	352.88	
23 37 13 00-0045 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	235.92	22.22
For Steel Construction, Deduct	-44.68	
For Stainless Steel, Add	372.35	
23 37 13 00-0046 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	267.97	22.22
For Steel Construction, Deduct	-53.11	
For Stainless Steel, Add	442.60	
23 37 13 00-0047 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	315.56	25.56
For Steel Construction, Deduct	-64.66	
For Stainless Steel, Add	538.83	
23 37 13 00-0048 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	351.61	26.68
For Steel Construction, Deduct	-73.90	
For Stainless Steel, Add	615.80	
23 37 13 00-0049 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	415.95	30.00
For Steel Construction, Deduct	-89.48	
For Stainless Steel, Add	745.68	
23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		
23 37 13 00-0051 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	129.89	14.44
For Steel Construction, Deduct	-7.27	
For Flush Mount, Deduct	-3.64	
For Stainless Steel, Add	181.85	
23 37 13 00-0052 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	138.84	14.44
For Steel Construction, Deduct	-8.17	
For Flush Mount, Deduct	-4.08	
For Stainless Steel, Add	204.23	
23 37 13 00-0053 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	159.43	17.78
For Steel Construction, Deduct	-9.04	
For Flush Mount, Deduct	-4.52	
For Stainless Steel, Add	226.10	
23 37 13 00-0054 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	169.44	17.78
For Steel Construction, Deduct	-10.05	
For Flush Mount, Deduct	-5.02	
For Stainless Steel, Add	251.13	
23 37 13 00-0055 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	235.89	20.00
For Steel Construction, Deduct	-15.59	
For Flush Mount, Deduct	-7.79	
For Stainless Steel, Add	389.68	
23 37 13 00-0056 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	174.88	21.12
For Steel Construction, Deduct	-16.66	
For Flush Mount, Deduct	-8.33	
For Stainless Steel, Add	416.38	
23 37 13 00-0057 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	264.21	22.22
For Steel Construction, Deduct	-17.72	
For Flush Mount, Deduct	-8.86	
For Stainless Steel, Add	443.08	
23 37 13 00-0058 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	301.65	23.34
For Steel Construction, Deduct	-21.07	
For Flush Mount, Deduct	-10.54	
For Stainless Steel, Add	526.80	
23 37 13 00-0059 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	339.42	25.56
For Steel Construction, Deduct	-23.94	
For Flush Mount, Deduct	-11.97	
For Stainless Steel, Add	598.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0060 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	403.56	26.68
For Steel Construction, Deduct	-29.83	
For Flush Mount, Deduct	-14.91	
For Stainless Steel, Add	745.68	
23 37 13 00-0061 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	481.57	30.00
For Steel Construction, Deduct	-36.39	
For Flush Mount, Deduct	-18.19	
For Stainless Steel, Add	909.73	
23 37 13 00-0062 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	530.88	62.57
For Stainless Steel, Add	1,014.63	
23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)		
23 37 13 00-0064 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	110.39	16.67
For Stainless Steel, Add	109.28	
23 37 13 00-0065 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	116.33	16.67
For Stainless Steel, Add	124.13	
23 37 13 00-0066 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	123.64	16.67
For Stainless Steel, Add	142.40	
23 37 13 00-0067 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	130.76	16.67
For Stainless Steel, Add	160.20	
23 37 13 00-0068 Return/Exhaust Registers And Grilles (23 37 13)		
23 37 13 00-0069 Return/Exhaust Registers With Frame (23 37 13 00-0068)		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 00-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	73.22	8.90
For Steel Construction, Deduct	-7.75	
For Grilles (No Damper), Deduct	-15.49	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	3.87	
For Cube Core Lay In, Add	7.75	
For Stainless Steel, Add	96.83	
23 37 13 00-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	81.64	8.90
For Steel Construction, Deduct	-9.43	
For Grilles (No Damper), Deduct	-18.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	4.72	
For Cube Core Lay In, Add	9.43	
For Stainless Steel, Add	117.88	
23 37 13 00-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	92.21	10.00
For Steel Construction, Deduct	-10.44	
For Grilles (No Damper), Deduct	-20.88	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.22	
For Cube Core Lay In, Add	10.44	
For Stainless Steel, Add	130.50	
23 37 13 00-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	98.72	11.12
For Steel Construction, Deduct	-10.44	
For Grilles (No Damper), Deduct	-20.88	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.22	
For Cube Core Lay In, Add	10.44	
For Stainless Steel, Add	130.50	
23 37 13 00-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	95.35	11.12
For Steel Construction, Deduct	-9.77	
For Grilles (No Damper), Deduct	-19.53	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	4.88	
For Cube Core Lay In, Add	9.77	
For Stainless Steel, Add	122.08	
23 37 13 00-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	121.13	14.44
For Steel Construction, Deduct	-12.80	
For Grilles (No Damper), Deduct	-25.59	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.40	
For Cube Core Lay In, Add	12.80	
For Stainless Steel, Add	159.95	
23 37 13 00-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	145.39	16.67
For Steel Construction, Deduct	-15.28	
For Grilles (No Damper), Deduct	-30.56	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	7.64	
For Cube Core Lay In, Add	15.28	
For Stainless Steel, Add	191.00	
23 37 13 00-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	175.99	20.00
For Steel Construction, Deduct	-19.19	
For Grilles (No Damper), Deduct	-38.39	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	9.60	
For Cube Core Lay In, Add	19.19	
For Stainless Steel, Add	239.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	203.20	22.22
For Steel Construction, Deduct	-23.24	
For Grilles (No Damper), Deduct	-46.49	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	11.62	
For Cube Core Lay In, Add	23.24	
For Stainless Steel, Add	290.55	
23 37 13 00-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	188.14	22.22
For Steel Construction, Deduct	-19.44	
For Grilles (No Damper), Deduct	-38.88	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	9.72	
For Cube Core Lay In, Add	19.44	
For Stainless Steel, Add	243.03	
23 37 13 00-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	208.79	22.22
For Steel Construction, Deduct	-23.57	
For Grilles (No Damper), Deduct	-47.14	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	11.79	
For Cube Core Lay In, Add	23.57	
For Stainless Steel, Add	294.65	
23 37 13 00-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	222.19	25.56
For Steel Construction, Deduct	-24.43	
For Grilles (No Damper), Deduct	-48.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.22	
For Cube Core Lay In, Add	24.43	
For Stainless Steel, Add	305.40	
23 37 13 00-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	235.12	26.68
For Steel Construction, Deduct	-25.97	
For Grilles (No Damper), Deduct	-51.93	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.98	
For Cube Core Lay In, Add	25.97	
For Stainless Steel, Add	324.58	
23 37 13 00-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	269.21	30.00
For Steel Construction, Deduct	-30.31	
For Grilles (No Damper), Deduct	-60.61	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.15	
For Cube Core Lay In, Add	30.31	
For Stainless Steel, Add	378.83	
23 37 13 00-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	306.88	35.56
For Steel Construction, Deduct	-32.80	
For Grilles (No Damper), Deduct	-65.60	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.40	
For Cube Core Lay In, Add	32.80	
For Stainless Steel, Add	409.98	
23 37 13 00-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	378.18	35.56
For Steel Construction, Deduct	-47.06	
For Grilles (No Damper), Deduct	-94.12	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.53	
For Cube Core Lay In, Add	47.06	
For Stainless Steel, Add	588.23	
23 37 13 00-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	331.04	38.90
For Steel Construction, Deduct	-35.43	
For Grilles (No Damper), Deduct	-70.86	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	17.72	
For Cube Core Lay In, Add	35.43	
For Stainless Steel, Add	442.90	
23 37 13 00-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	324.26	37.79
For Steel Construction, Deduct	-34.08	
For Grilles (No Damper), Deduct	-68.15	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	17.04	
For Cube Core Lay In, Add	34.08	
For Stainless Steel, Add	425.95	
23 37 13 00-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	365.14	42.23
For Steel Construction, Deduct	-39.69	
For Grilles (No Damper), Deduct	-79.37	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.84	
For Cube Core Lay In, Add	39.69	
For Stainless Steel, Add	496.08	
23 37 13 00-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	473.90	45.57
For Steel Construction, Deduct	-58.41	
For Grilles (No Damper), Deduct	-116.82	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	29.20	
For Cube Core Lay In, Add	58.41	
For Stainless Steel, Add	730.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	220.73	25.67
<i>For Steel Construction, Deduct</i>	-23.63	
<i>For Grilles (No Damper), Deduct</i>	-47.26	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	11.82	
<i>For Cube Core Lay In, Add</i>	23.63	
<i>For Stainless Steel, Add</i>	295.40	
23 37 13 00-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	397.70	45.45
<i>For Steel Construction, Deduct</i>	-43.17	
<i>For Grilles (No Damper), Deduct</i>	-86.34	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	21.58	
<i>For Cube Core Lay In, Add</i>	43.17	
<i>For Stainless Steel, Add</i>	539.60	
23 37 13 00-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	414.38	44.46
<i>For Steel Construction, Deduct</i>	-49.53	
<i>For Grilles (No Damper), Deduct</i>	-99.07	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	24.77	
<i>For Cube Core Lay In, Add</i>	49.53	
<i>For Stainless Steel, Add</i>	619.18	
23 37 13 00-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 00-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	68.84	8.90
<i>For Steel Construction, Deduct</i>	-3.44	
<i>For Flat Frame, Deduct</i>	-0.34	
<i>For Grilles (No Damper), Deduct</i>	-6.87	
<i>For Stainless Steel, Add</i>	85.88	
23 37 13 00-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	68.84	8.90
<i>For Steel Construction, Deduct</i>	-3.44	
<i>For Flat Frame, Deduct</i>	-0.34	
<i>For Grilles (No Damper), Deduct</i>	-6.87	
<i>For Stainless Steel, Add</i>	85.88	
23 37 13 00-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	83.45	10.00
<i>For Steel Construction, Deduct</i>	-4.34	
<i>For Flat Frame, Deduct</i>	-0.43	
<i>For Grilles (No Damper), Deduct</i>	-8.69	
<i>For Stainless Steel, Add</i>	108.60	
23 37 13 00-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	96.02	12.22
<i>For Steel Construction, Deduct</i>	-4.95	
<i>For Flat Frame, Deduct</i>	-0.50	
<i>For Grilles (No Damper), Deduct</i>	-9.90	
<i>For Stainless Steel, Add</i>	123.75	
23 37 13 00-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	95.01	11.12
<i>For Steel Construction, Deduct</i>	-4.85	
<i>For Flat Frame, Deduct</i>	-0.48	
<i>For Grilles (No Damper), Deduct</i>	-9.70	
<i>For Stainless Steel, Add</i>	121.23	
23 37 13 00-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	121.81	14.44
<i>For Steel Construction, Deduct</i>	-6.47	
<i>For Flat Frame, Deduct</i>	-0.65	
<i>For Grilles (No Damper), Deduct</i>	-12.93	
<i>For Stainless Steel, Add</i>	161.65	
23 37 13 00-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	185.85	17.78
<i>For Steel Construction, Deduct</i>	-11.69	
<i>For Flat Frame, Deduct</i>	-1.17	
<i>For Grilles (No Damper), Deduct</i>	-23.37	
<i>For Stainless Steel, Add</i>	292.15	
23 37 13 00-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	222.47	20.00
<i>For Steel Construction, Deduct</i>	-14.25	
<i>For Flat Frame, Deduct</i>	-1.42	
<i>For Grilles (No Damper), Deduct</i>	-28.49	
<i>For Stainless Steel, Add</i>	356.13	
23 37 13 00-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	249.64	22.22
<i>For Steel Construction, Deduct</i>	-16.27	
<i>For Flat Frame, Deduct</i>	-1.63	
<i>For Grilles (No Damper), Deduct</i>	-32.53	
<i>For Stainless Steel, Add</i>	406.65	
23 37 13 00-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	216.20	22.22
<i>For Steel Construction, Deduct</i>	-12.53	
<i>For Flat Frame, Deduct</i>	-1.25	
<i>For Grilles (No Damper), Deduct</i>	-25.05	
<i>For Stainless Steel, Add</i>	313.18	
23 37 13 00-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	276.82	23.34
<i>For Steel Construction, Deduct</i>	-18.59	
<i>For Flat Frame, Deduct</i>	-1.86	
<i>For Grilles (No Damper), Deduct</i>	-37.18	
<i>For Stainless Steel, Add</i>	464.73	
23 37 13 00-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	320.27	25.56
<i>For Steel Construction, Deduct</i>	-22.02	
<i>For Flat Frame, Deduct</i>	-2.20	
<i>For Grilles (No Damper), Deduct</i>	-44.05	
<i>For Stainless Steel, Add</i>	550.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0106	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	258.85	26.68
			<i>For Steel Construction, Deduct</i>	-15.36	
			<i>For Flat Frame, Deduct</i>	-1.54	
			<i>For Grilles (No Damper), Deduct</i>	-30.71	
			<i>For Stainless Steel, Add</i>	383.90	
23 37 13 00-0107	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	343.98	30.00
			<i>For Steel Construction, Deduct</i>	-22.63	
			<i>For Flat Frame, Deduct</i>	-2.26	
			<i>For Grilles (No Damper), Deduct</i>	-45.26	
			<i>For Stainless Steel, Add</i>	565.75	
23 37 13 00-0108	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	414.66	35.56
			<i>For Steel Construction, Deduct</i>	-27.18	
			<i>For Flat Frame, Deduct</i>	-2.72	
			<i>For Grilles (No Damper), Deduct</i>	-54.35	
			<i>For Stainless Steel, Add</i>	679.43	
23 37 13 00-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	465.67	35.56
			<i>For Steel Construction, Deduct</i>	-32.28	
			<i>For Flat Frame, Deduct</i>	-3.23	
			<i>For Grilles (No Damper), Deduct</i>	-64.56	
			<i>For Stainless Steel, Add</i>	806.95	
23 37 13 00-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	342.80	37.79
			<i>For Steel Construction, Deduct</i>	-18.89	
			<i>For Flat Frame, Deduct</i>	-1.89	
			<i>For Grilles (No Damper), Deduct</i>	-37.78	
			<i>For Stainless Steel, Add</i>	472.30	
23 37 13 00-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	439.79	37.79
			<i>For Steel Construction, Deduct</i>	-28.59	
			<i>For Flat Frame, Deduct</i>	-2.86	
			<i>For Grilles (No Damper), Deduct</i>	-57.18	
			<i>For Stainless Steel, Add</i>	714.78	
23 37 13 00-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	504.14	42.23
			<i>For Steel Construction, Deduct</i>	-33.74	
			<i>For Flat Frame, Deduct</i>	-3.37	
			<i>For Grilles (No Damper), Deduct</i>	-67.49	
			<i>For Stainless Steel, Add</i>	843.58	
23 37 13 00-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	583.45	45.57
			<i>For Steel Construction, Deduct</i>	-40.16	
			<i>For Flat Frame, Deduct</i>	-4.02	
			<i>For Grilles (No Damper), Deduct</i>	-80.32	
			<i>For Stainless Steel, Add</i>	1,003.98	
23 37 13 00-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	611.73	45.57
			<i>For Steel Construction, Deduct</i>	-42.99	
			<i>For Flat Frame, Deduct</i>	-4.30	
			<i>For Grilles (No Damper), Deduct</i>	-85.97	
			<i>For Stainless Steel, Add</i>	1,074.68	
23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0068)					
23 37 13 00-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	44.32	10.85
23 37 13 00-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	44.32	10.85
23 37 13 00-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.95	10.85
23 37 13 00-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.00	10.85
23 37 13 00-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.95	10.85
23 37 13 00-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.00	10.85
23 37 13 00-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.27	14.23
23 37 13 00-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.32	14.23
23 37 13 00-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	58.22	14.23
23 37 13 00-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.32	14.23
23 37 13 00-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.37	14.23
23 37 13 00-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.43	14.23
23 37 13 00-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.85	14.23
23 37 13 00-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.95	14.23
23 37 13 00-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.00	14.23
23 37 13 00-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.74	14.23
23 37 13 00-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.95	14.23
23 37 13 00-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	66.63	14.23
23 37 13 00-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.74	14.23
23 37 13 00-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.84	20.97
23 37 13 00-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.89	20.97
23 37 13 00-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.78	20.97
23 37 13 00-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.43	24.35
23 37 13 00-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.73	20.97
23 37 13 00-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	114.69	24.35
23 37 13 00-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.90	14.23
23 37 13 00-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.78	20.97
23 37 13 00-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	129.13	27.73
23 37 13 00-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.73	20.97
23 37 13 00-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.84	20.97
23 37 13 00-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	106.27	24.35
			<i>For Lay-In Installation, Deduct</i>	-51.44	
23 37 13 00-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.43	24.35
23 37 13 00-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	122.82	27.73
23 37 13 00-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	125.98	27.73
23 37 13 00-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	129.66	27.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0151 EA 24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.49	27.73
<i>For Lay-In Installation, Deduct</i>	-58.89	
23 37 13 00-0152 EA 30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.85	24.35
23 37 13 00-0153 EA 48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	163.08	30.40
23 37 13 00-0154 EA 48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	259.79	37.14
<i>For Lay-In Installation, Deduct</i>	-84.75	
23 37 13 00-0155 Supply Registers and Grilles <small>(23 37 13)</small>		
23 37 13 00-0155 Adjustable Curved Blade Register <small>(23 37 13 00-0155)</small>		
Note: Ceiling mount aluminum construction four way pattern flush frame.		
23 37 13 00-0157 EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	63.87	8.90
<i>For Steel Construction, Deduct</i>	-4.42	
<i>For Lay In Frame, Deduct</i>	-7.36	
<i>For Three Way Pattern, Deduct</i>	-2.94	
<i>For Two Way Pattern, Deduct</i>	-2.36	
<i>For One Way Pattern, Deduct</i>	-2.36	
<i>For Grille (No Damper), Deduct</i>	-4.42	
<i>For Stainless Steel, Add</i>	73.60	
23 37 13 00-0158 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	65.60	8.90
<i>For Steel Construction, Deduct</i>	-4.68	
<i>For Lay In Frame, Deduct</i>	-7.79	
<i>For Three Way Pattern, Deduct</i>	-3.12	
<i>For Two Way Pattern, Deduct</i>	-2.49	
<i>For One Way Pattern, Deduct</i>	-2.49	
<i>For Grille (No Damper), Deduct</i>	-4.68	
<i>For Stainless Steel, Add</i>	77.93	
23 37 13 00-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	76.07	12.22
<i>For Steel Construction, Deduct</i>	-4.42	
<i>For Lay In Frame, Deduct</i>	-7.36	
<i>For Three Way Pattern, Deduct</i>	-2.94	
<i>For Two Way Pattern, Deduct</i>	-2.36	
<i>For One Way Pattern, Deduct</i>	-2.36	
<i>For Grille (No Damper), Deduct</i>	-4.42	
<i>For Stainless Steel, Add</i>	73.60	
23 37 13 00-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	82.42	11.12
<i>For Steel Construction, Deduct</i>	-5.37	
<i>For Lay In Frame, Deduct</i>	-8.95	
<i>For Three Way Pattern, Deduct</i>	-3.58	
<i>For Two Way Pattern, Deduct</i>	-2.86	
<i>For One Way Pattern, Deduct</i>	-2.86	
<i>For Grille (No Damper), Deduct</i>	-5.37	
<i>For Stainless Steel, Add</i>	89.48	
23 37 13 00-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	99.39	14.44
<i>For Steel Construction, Deduct</i>	-6.41	
<i>For Lay In Frame, Deduct</i>	-10.68	
<i>For Three Way Pattern, Deduct</i>	-4.27	
<i>For Two Way Pattern, Deduct</i>	-3.42	
<i>For One Way Pattern, Deduct</i>	-3.42	
<i>For Grille (No Damper), Deduct</i>	-6.41	
<i>For Stainless Steel, Add</i>	106.80	
23 37 13 00-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	122.10	16.67
<i>For Steel Construction, Deduct</i>	-7.97	
<i>For Lay In Frame, Deduct</i>	-13.28	
<i>For Three Way Pattern, Deduct</i>	-5.31	
<i>For Two Way Pattern, Deduct</i>	-4.25	
<i>For One Way Pattern, Deduct</i>	-4.25	
<i>For Grille (No Damper), Deduct</i>	-7.97	
<i>For Stainless Steel, Add</i>	132.78	
23 37 13 00-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	122.10	16.67
<i>For Steel Construction, Deduct</i>	-7.97	
<i>For Lay In Frame, Deduct</i>	-13.28	
<i>For Three Way Pattern, Deduct</i>	-5.31	
<i>For Two Way Pattern, Deduct</i>	-4.25	
<i>For One Way Pattern, Deduct</i>	-4.25	
<i>For Grille (No Damper), Deduct</i>	-7.97	
<i>For Stainless Steel, Add</i>	132.78	
23 37 13 00-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	151.26	22.22
<i>For Steel Construction, Deduct</i>	-9.70	
<i>For Lay In Frame, Deduct</i>	-16.17	
<i>For Three Way Pattern, Deduct</i>	-6.47	
<i>For Two Way Pattern, Deduct</i>	-5.17	
<i>For One Way Pattern, Deduct</i>	-5.17	
<i>For Grille (No Damper), Deduct</i>	-9.70	
<i>For Stainless Steel, Add</i>	161.65	
23 37 13 00-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	188.49	23.34
<i>For Steel Construction, Deduct</i>	-14.63	
<i>For Lay In Frame, Deduct</i>	-24.39	
<i>For Three Way Pattern, Deduct</i>	-9.76	
<i>For Two Way Pattern, Deduct</i>	-7.80	
<i>For One Way Pattern, Deduct</i>	-7.80	
<i>For Grille (No Damper), Deduct</i>	-14.63	
<i>For Stainless Steel, Add</i>	243.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0166	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	281.60	47.12
			<i>For Steel Construction, Deduct</i>	-28.10	
			<i>For Lay In Frame, Deduct</i>	-46.84	
			<i>For Three Way Pattern, Deduct</i>	-18.73	
			<i>For Two Way Pattern, Deduct</i>	-14.99	
			<i>For One Way Pattern, Deduct</i>	-14.99	
			<i>For Grille (No Damper), Deduct</i>	-28.10	
			<i>For Stainless Steel, Add</i>	468.35	
23 37 13 00-0167			Removable-Reversible Core Registers <small>(23 37 13 00-0155)</small>		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 00-0168	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	71.38	8.90
			<i>For Steel Construction, Deduct</i>	-3.70	
			<i>For Flat Frame, Deduct</i>	-3.70	
			<i>For Grille (No Damper), Deduct</i>	-11.09	
			<i>For Stainless Steel, Add</i>	92.38	
23 37 13 00-0169	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	86.39	8.90
			<i>For Steel Construction, Deduct</i>	-5.20	
			<i>For Flat Frame, Deduct</i>	-5.20	
			<i>For Grille (No Damper), Deduct</i>	-15.59	
			<i>For Stainless Steel, Add</i>	129.90	
23 37 13 00-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	111.29	12.22
			<i>For Steel Construction, Deduct</i>	-6.47	
			<i>For Flat Frame, Deduct</i>	-6.47	
			<i>For Grille (No Damper), Deduct</i>	-19.40	
			<i>For Stainless Steel, Add</i>	161.65	
23 37 13 00-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	112.44	12.22
			<i>For Steel Construction, Deduct</i>	-6.58	
			<i>For Flat Frame, Deduct</i>	-6.58	
			<i>For Grille (No Damper), Deduct</i>	-19.74	
			<i>For Stainless Steel, Add</i>	164.53	
23 37 13 00-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	142.11	14.44
			<i>For Steel Construction, Deduct</i>	-8.54	
			<i>For Flat Frame, Deduct</i>	-8.54	
			<i>For Grille (No Damper), Deduct</i>	-25.63	
			<i>For Stainless Steel, Add</i>	213.60	
23 37 13 00-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	197.15	17.78
			<i>For Steel Construction, Deduct</i>	-12.82	
			<i>For Flat Frame, Deduct</i>	-12.82	
			<i>For Grille (No Damper), Deduct</i>	-38.45	
			<i>For Stainless Steel, Add</i>	320.40	
23 37 13 00-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	217.93	16.67
			<i>For Steel Construction, Deduct</i>	-14.89	
			<i>For Flat Frame, Deduct</i>	-14.89	
			<i>For Grille (No Damper), Deduct</i>	-44.68	
			<i>For Stainless Steel, Add</i>	372.35	
23 37 13 00-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	264.41	22.22
			<i>For Steel Construction, Deduct</i>	-17.78	
			<i>For Flat Frame, Deduct</i>	-17.78	
			<i>For Grille (No Damper), Deduct</i>	-53.34	
			<i>For Stainless Steel, Add</i>	444.53	
23 37 13 00-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	325.31	22.22
			<i>For Steel Construction, Deduct</i>	-23.44	
			<i>For Flat Frame, Deduct</i>	-23.44	
			<i>For Grille (No Damper), Deduct</i>	-70.31	
			<i>For Stainless Steel, Add</i>	585.95	
23 37 13 00-0177			Adjustable Shutter Blade Registers <small>(23 37 13 00-0155)</small>		
			Note: Double deflection flat frame aluminum construction.		
23 37 13 00-0178	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	101.78	8.90
			<i>For Steel Construction, Deduct</i>	-6.74	
			<i>For Single Deflection, Deduct</i>	-13.47	
			<i>For Grille (No Damper), Deduct</i>	-10.10	
			<i>For Stainless Steel, Add</i>	168.38	
23 37 13 00-0179	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	115.25	8.90
			<i>For Steel Construction, Deduct</i>	-8.08	
			<i>For Single Deflection, Deduct</i>	-16.16	
			<i>For Grille (No Damper), Deduct</i>	-12.12	
			<i>For Stainless Steel, Add</i>	202.05	
23 37 13 00-0180	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	127.45	12.22
			<i>For Steel Construction, Deduct</i>	-8.08	
			<i>For Single Deflection, Deduct</i>	-16.16	
			<i>For Grille (No Damper), Deduct</i>	-12.12	
			<i>For Stainless Steel, Add</i>	202.05	
23 37 13 00-0181	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	131.30	11.12
			<i>For Steel Construction, Deduct</i>	-8.47	
			<i>For Single Deflection, Deduct</i>	-16.93	
			<i>For Grille (No Damper), Deduct</i>	-12.70	
			<i>For Stainless Steel, Add</i>	211.68	
23 37 13 00-0182	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	160.58	14.44
			<i>For Steel Construction, Deduct</i>	-10.39	
			<i>For Single Deflection, Deduct</i>	-20.78	
			<i>For Grille (No Damper), Deduct</i>	-15.59	
			<i>For Stainless Steel, Add</i>	259.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	211.39	16.67
For Steel Construction, Deduct	-14.24	
For Single Deflection, Deduct	-28.48	
For Grille (No Damper), Deduct	-21.36	
For Stainless Steel, Add	356.00	
23 37 13 00-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	244.11	17.78
For Steel Construction, Deduct	-17.51	
For Single Deflection, Deduct	-35.02	
For Grille (No Damper), Deduct	-26.27	
For Stainless Steel, Add	437.80	
23 37 13 00-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	302.13	22.22
For Steel Construction, Deduct	-21.55	
For Single Deflection, Deduct	-43.11	
For Grille (No Damper), Deduct	-32.33	
For Stainless Steel, Add	538.83	
23 37 13 00-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	404.60	23.34
For Steel Construction, Deduct	-31.37	
For Single Deflection, Deduct	-62.73	
For Grille (No Damper), Deduct	-47.05	
For Stainless Steel, Add	784.18	
23 37 13 00-0187 Air Conditioning And Ventilation (23 37 13 00-0155)		
23 37 13 00-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	59.99	23.34
For Stainless Steel, Add	33.40	
23 37 13 00-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	96.18	34.73
For Stainless Steel, Add	66.80	
23 37 13 00-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	141.77	48.62
For Stainless Steel, Add	111.33	
23 37 13 00-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	280.32	66.68
For Stainless Steel, Add	367.38	
23 37 13 00-0192 Security Supply Or Return Grille (23 37 13 00-0155)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 00-0193 EA 8" x 4" Steel Security Grille	151.62	16.67
For Anchoring Tabs, Add	11.83	
For Angle Iron Frame, Add	21.08	
For Rear Operated Opposed Blade Damper, Add	44.73	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	29.57	
For Stainless Steel, Add	153.76	
23 37 13 00-0194 EA 8" x 6" Steel Security Grille	167.08	17.22
For Anchoring Tabs, Add	13.26	
For Angle Iron Frame, Add	23.34	
For Rear Operated Opposed Blade Damper, Add	49.86	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	33.16	
For Stainless Steel, Add	172.41	
23 37 13 00-0195 EA 8" x 8" Steel Security Grille	191.23	19.46
For Anchoring Tabs, Add	15.23	
For Angle Iron Frame, Add	26.74	
For Rear Operated Opposed Blade Damper, Add	57.21	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	38.08	
For Stainless Steel, Add	198.03	
23 37 13 00-0196 EA 10" x 4" Steel Security Grille	168.62	18.89
For Anchoring Tabs, Add	13.08	
For Angle Iron Frame, Add	23.40	
For Rear Operated Opposed Blade Damper, Add	49.57	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	32.71	
For Stainless Steel, Add	170.07	
23 37 13 00-0197 EA 10" x 6" Steel Security Grille	179.81	20.01
For Anchoring Tabs, Add	13.98	
For Angle Iron Frame, Add	24.97	
For Rear Operated Opposed Blade Damper, Add	52.93	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	34.95	
For Stainless Steel, Add	181.73	
23 37 13 00-0198 EA 10" x 8" Steel Security Grille	204.64	21.68
For Anchoring Tabs, Add	16.13	
For Angle Iron Frame, Add	28.53	
For Rear Operated Opposed Blade Damper, Add	60.79	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	40.32	
For Stainless Steel, Add	209.68	
23 37 13 00-0199 EA 10" x 10" Steel Security Grille	227.68	23.35
For Anchoring Tabs, Add	18.10	
For Angle Iron Frame, Add	31.82	
For Rear Operated Opposed Blade Damper, Add	68.02	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	45.25	
For Stainless Steel, Add	235.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0200	EA		12" x 4" Steel Security Grille	178.44	21.12
			For Anchoring Tabs, Add	13.62	
			For Angle Iron Frame, Add	24.65	
			For Rear Operated Opposed Blade Damper, Add	51.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	34.05	
			For Stainless Steel, Add	177.06	
23 37 13 00-0201	EA		12" x 6" Steel Security Grille	199.01	23.35
			For Anchoring Tabs, Add	15.23	
			For Angle Iron Frame, Add	27.52	
			For Rear Operated Opposed Blade Damper, Add	57.98	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	38.08	
			For Stainless Steel, Add	198.03	
23 37 13 00-0202	EA		12" x 8" Steel Security Grille	225.65	25.01
			For Anchoring Tabs, Add	17.56	
			For Angle Iron Frame, Add	31.35	
			For Rear Operated Opposed Blade Damper, Add	66.47	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	43.91	
			For Stainless Steel, Add	228.32	
23 37 13 00-0203	EA		12" x 10" Steel Security Grille	245.11	26.68
			For Anchoring Tabs, Add	19.18	
			For Angle Iron Frame, Add	34.10	
			For Rear Operated Opposed Blade Damper, Add	72.45	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	47.94	
			For Stainless Steel, Add	249.29	
23 37 13 00-0204	EA		12" x 12" Steel Security Grille	269.95	28.35
			For Anchoring Tabs, Add	21.33	
			For Angle Iron Frame, Add	37.66	
			For Rear Operated Opposed Blade Damper, Add	80.31	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	53.32	
			For Stainless Steel, Add	277.24	
23 37 13 00-0205	EA		14" x 4" Steel Security Grille	190.73	22.78
			For Anchoring Tabs, Add	14.52	
			For Angle Iron Frame, Add	26.33	
			For Rear Operated Opposed Blade Damper, Add	55.36	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	36.29	
			For Stainless Steel, Add	188.71	
23 37 13 00-0206	EA		14" x 6" Steel Security Grille	213.78	24.45
			For Anchoring Tabs, Add	16.49	
			For Angle Iron Frame, Add	29.62	
			For Rear Operated Opposed Blade Damper, Add	62.60	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	41.22	
			For Stainless Steel, Add	214.33	
23 37 13 00-0207	EA		14" x 8" Steel Security Grille	237.94	26.68
			For Anchoring Tabs, Add	18.46	
			For Angle Iron Frame, Add	33.02	
			For Rear Operated Opposed Blade Damper, Add	69.94	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	46.15	
			For Stainless Steel, Add	239.97	
23 37 13 00-0208	EA		14" x 10" Steel Security Grille	267.48	28.90
			For Anchoring Tabs, Add	20.97	
			For Angle Iron Frame, Add	37.23	
			For Rear Operated Opposed Blade Damper, Add	79.17	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	52.42	
			For Stainless Steel, Add	272.58	
23 37 13 00-0209	EA		14" x 12" Steel Security Grille	294.53	31.68
			For Anchoring Tabs, Add	23.12	
			For Angle Iron Frame, Add	41.01	
			For Rear Operated Opposed Blade Damper, Add	87.25	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	57.80	
			For Stainless Steel, Add	300.53	
23 37 13 00-0210	EA		14" x 14" Steel Security Grille	316.90	33.91
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	44.15	
			For Rear Operated Opposed Blade Damper, Add	93.97	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0211	EA		16" x 6" Steel Security Grille	228.98	26.68
			For Anchoring Tabs, Add	17.56	
			For Angle Iron Frame, Add	31.68	
			For Rear Operated Opposed Blade Damper, Add	66.81	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	43.91	
			For Stainless Steel, Add	228.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0212 EA 16" x 8" Steel Security Grille	260.31	28.90
For Anchoring Tabs, Add	20.25	
For Angle Iron Frame, Add	36.16	
For Rear Operated Opposed Blade Damper, Add	76.66	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	50.63	
For Stainless Steel, Add	263.26	
23 37 13 00-0213 EA 16" x 10" Steel Security Grille	280.89	31.12
For Anchoring Tabs, Add	21.86	
For Angle Iron Frame, Add	39.02	
For Rear Operated Opposed Blade Damper, Add	82.75	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	54.66	
For Stainless Steel, Add	284.23	
23 37 13 00-0214 EA 16" x 12" Steel Security Grille	314.67	32.79
For Anchoring Tabs, Add	24.91	
For Angle Iron Frame, Add	43.92	
For Rear Operated Opposed Blade Damper, Add	93.74	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.28	
For Stainless Steel, Add	323.83	
23 37 13 00-0215 EA 16" x 14" Steel Security Grille	333.47	35.01
For Anchoring Tabs, Add	26.34	
For Angle Iron Frame, Add	46.52	
For Rear Operated Opposed Blade Damper, Add	99.21	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	65.86	
For Stainless Steel, Add	342.47	
23 37 13 00-0216 EA 16" x 16" Steel Security Grille	361.21	37.23
For Anchoring Tabs, Add	28.67	
For Angle Iron Frame, Add	50.46	
For Rear Operated Opposed Blade Damper, Add	107.81	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	71.69	
For Stainless Steel, Add	372.76	
23 37 13 00-0217 EA 18" x 6" Steel Security Grille	244.61	30.01
For Anchoring Tabs, Add	18.46	
For Angle Iron Frame, Add	33.69	
For Rear Operated Opposed Blade Damper, Add	70.61	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	46.15	
For Stainless Steel, Add	239.97	
23 37 13 00-0218 EA 18" x 8" Steel Security Grille	277.73	32.24
For Anchoring Tabs, Add	21.33	
For Angle Iron Frame, Add	38.44	
For Rear Operated Opposed Blade Damper, Add	81.09	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	53.32	
For Stainless Steel, Add	277.24	
23 37 13 00-0219 EA 18" x 10" Steel Security Grille	303.69	34.46
For Anchoring Tabs, Add	23.48	
For Angle Iron Frame, Add	42.11	
For Rear Operated Opposed Blade Damper, Add	89.06	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	58.69	
For Stainless Steel, Add	305.20	
23 37 13 00-0220 EA 18" x 12" Steel Security Grille	333.22	36.68
For Anchoring Tabs, Add	25.99	
For Angle Iron Frame, Add	46.32	
For Rear Operated Opposed Blade Damper, Add	98.29	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	64.97	
For Stainless Steel, Add	337.82	
23 37 13 00-0221 EA 18" x 14" Steel Security Grille	353.61	36.13
For Anchoring Tabs, Add	28.14	
For Angle Iron Frame, Add	49.43	
For Rear Operated Opposed Blade Damper, Add	105.70	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.34	
For Stainless Steel, Add	365.77	
23 37 13 00-0222 EA 18" x 16" Steel Security Grille	385.62	37.80
For Anchoring Tabs, Add	31.00	
For Angle Iron Frame, Add	54.06	
For Rear Operated Opposed Blade Damper, Add	116.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	77.51	
For Stainless Steel, Add	403.05	
23 37 13 00-0223 EA 18" x 18" Steel Security Grille	412.25	39.46
For Anchoring Tabs, Add	33.33	
For Angle Iron Frame, Add	57.89	
For Rear Operated Opposed Blade Damper, Add	124.56	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.33	
For Stainless Steel, Add	433.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0224	EA		20" x 6" Steel Security Grille	262.71	32.79
			For Anchoring Tabs, Add	19.71	
			For Angle Iron Frame, Add	36.13	
			For Rear Operated Opposed Blade Damper, Add	75.55	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	49.28	
			For Stainless Steel, Add	256.27	
23 37 13 00-0225	EA		20" x 8" Steel Security Grille	296.26	36.13
			For Anchoring Tabs, Add	22.40	
			For Angle Iron Frame, Add	40.83	
			For Rear Operated Opposed Blade Damper, Add	85.63	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	56.00	
			For Stainless Steel, Add	291.21	
23 37 13 00-0226	EA		20" x 10" Steel Security Grille	324.68	37.80
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	44.92	
			For Rear Operated Opposed Blade Damper, Add	94.74	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0227	EA		20" x 12" Steel Security Grille	356.01	40.02
			For Anchoring Tabs, Add	27.60	
			For Angle Iron Frame, Add	49.40	
			For Rear Operated Opposed Blade Damper, Add	104.60	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.00	
			For Stainless Steel, Add	358.79	
23 37 13 00-0228	EA		20" x 14" Steel Security Grille	389.81	41.69
			For Anchoring Tabs, Add	30.65	
			For Angle Iron Frame, Add	54.30	
			For Rear Operated Opposed Blade Damper, Add	115.59	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.61	
			For Stainless Steel, Add	398.39	
23 37 13 00-0229	EA		20" x 16" Steel Security Grille	420.03	43.35
			For Anchoring Tabs, Add	33.33	
			For Angle Iron Frame, Add	58.67	
			For Rear Operated Opposed Blade Damper, Add	125.34	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	83.33	
			For Stainless Steel, Add	433.33	
23 37 13 00-0230	EA		20" x 18" Steel Security Grille	448.45	45.02
			For Anchoring Tabs, Add	35.84	
			For Angle Iron Frame, Add	62.77	
			For Rear Operated Opposed Blade Damper, Add	134.45	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.61	
			For Stainless Steel, Add	465.95	
23 37 13 00-0231	EA		20" x 20" Steel Security Grille	482.25	46.69
			For Anchoring Tabs, Add	38.89	
			For Angle Iron Frame, Add	67.67	
			For Rear Operated Opposed Blade Damper, Add	145.45	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	97.22	
			For Stainless Steel, Add	505.56	
23 37 13 00-0232	EA		24" x 6" Steel Security Grille	292.00	36.68
			For Anchoring Tabs, Add	21.86	
			For Angle Iron Frame, Add	40.13	
			For Rear Operated Opposed Blade Damper, Add	83.86	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.66	
			For Stainless Steel, Add	284.23	
23 37 13 00-0233	EA		24" x 8" Steel Security Grille	329.12	40.02
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	45.37	
			For Rear Operated Opposed Blade Damper, Add	95.19	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0234	EA		24" x 10" Steel Security Grille	358.24	41.13
			For Anchoring Tabs, Add	27.60	
			For Angle Iron Frame, Add	49.62	
			For Rear Operated Opposed Blade Damper, Add	104.82	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.00	
			For Stainless Steel, Add	358.79	
23 37 13 00-0235	EA		24" x 12" Steel Security Grille	401.18	45.57
			For Anchoring Tabs, Add	31.00	
			For Angle Iron Frame, Add	55.62	
			For Rear Operated Opposed Blade Damper, Add	117.63	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	77.51	
			For Stainless Steel, Add	403.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0236 EA 24" x 14" Steel Security Grille	431.39	47.24
For Anchoring Tabs, Add	33.69	
For Angle Iron Frame, Add	59.99	
For Rear Operated Opposed Blade Damper, Add	127.37	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	84.23	
For Stainless Steel, Add	438.00	
23 37 13 00-0237 EA 24" x 16" Steel Security Grille	468.77	48.91
For Anchoring Tabs, Add	37.10	
For Angle Iron Frame, Add	65.43	
For Rear Operated Opposed Blade Damper, Add	139.62	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	92.74	
For Stainless Steel, Add	482.26	
23 37 13 00-0238 EA 24" x 18" Steel Security Grille	511.52	50.58
For Anchoring Tabs, Add	41.04	
For Angle Iron Frame, Add	71.67	
For Rear Operated Opposed Blade Damper, Add	153.75	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	102.60	
For Stainless Steel, Add	533.51	
23 37 13 00-0239 EA 24" x 20" Steel Security Grille	541.75	52.25
For Anchoring Tabs, Add	43.73	
For Angle Iron Frame, Add	76.04	
For Rear Operated Opposed Blade Damper, Add	163.50	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	109.32	
For Stainless Steel, Add	568.46	
23 37 13 00-0240 EA 24" x 24" Steel Security Grille	605.75	55.57
For Anchoring Tabs, Add	49.46	
For Angle Iron Frame, Add	85.31	
For Rear Operated Opposed Blade Damper, Add	184.23	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	123.66	
For Stainless Steel, Add	643.01	
23 37 13 00-0241 Square Wall Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design aluminum construction.		
23 37 13 00-0242 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	63.60	27.79
23 37 13 00-0243 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	66.07	27.79
23 37 13 00-0244 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	98.81	41.69
23 37 13 00-0245 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	111.16	41.69
23 37 13 00-0246 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	166.74	55.57
23 37 13 00-0247 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	241.38	55.57
23 37 13 00-0248 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0155)		
Note: Aluminum construction.		
23 37 13 00-0249 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	159.10	20.01
23 37 13 00-0250 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	176.42	20.01
23 37 13 00-0251 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	210.16	22.23
23 37 13 00-0252 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	240.92	22.23
23 37 13 00-0253 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	321.06	69.47
23 37 13 00-0254 Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 00-0255 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	35.64	13.30
23 37 13 00-0256 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	48.50	13.40
23 37 13 00-0257 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0155)		
Note: Painted steel louvers and frame.		
23 37 13 00-0258 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	92.16	20.01
23 37 13 00-0259 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	122.54	20.01
23 37 13 00-0260 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	143.71	21.12
23 37 13 00-0261 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	184.12	25.23
23 37 13 00-0262 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	207.10	46.35
23 37 13 00-0263 Stainless Steel Devices (23 37 13 00-0155)		
23 37 13 00-0264 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 00-0263)		
23 37 13 00-0265 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	168.49	17.35
For 316 Stainless Steel, Add	27.92	
23 37 13 00-0266 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	143.02	17.35
For 316 Stainless Steel, Add	22.82	
23 37 13 00-0267 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0268 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	128.90	17.35
For 316 Stainless Steel, Add	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0269 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille..... <i>For 316 Stainless Steel, Add</i>	110.38 16.30	17.35
23 37 13 00-0270 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0271 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille <i>For 316 Stainless Steel, Add</i>	186.20 31.46	17.35
23 37 13 00-0272 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille <i>For 316 Stainless Steel, Add</i>	159.46 26.11	17.35
23 37 13 00-0273 304 Stainless Steel Return Grilles (23 37 13 00-0263)		
23 37 13 00-0274 SF Up To 4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	128.90 20.00	17.35
23 37 13 00-0275 SF >4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	110.38 16.30	17.35
23 37 13 00-0276 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0277 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille <i>For 316 Stainless Steel, Add</i>	128.90 20.00	17.35
23 37 13 00-0278 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	110.38 16.30	17.35
23 37 13 00-0279 304 Stainless Steel, Perforated Return Grilles (23 37 13 00-0263)		
23 37 13 00-0280 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille <i>For 316 Stainless Steel, Add</i>	128.90 20.00	17.35
23 37 13 00-0281 SF >4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	105.29 15.28	17.35
23 37 13 00-0282 304 Stainless Steel, Perforated Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0283 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille <i>For 316 Stainless Steel, Add</i>	154.95 25.21	17.35
23 37 13 00-0284 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	108.00 15.82	17.35
23 37 13 00-0285 304 Stainless Steel, Door Grilles (23 37 13 00-0263)		
23 37 13 00-0286 SF Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	228.91 40.00	17.35
23 37 13 00-0287 SF >4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	191.88 32.60	17.35
23 37 13 00-0288 304 Stainless Steel, Linear Bar Grilles (23 37 13 00-0263)		
23 37 13 00-0289 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille <i>For 316 Stainless Steel, Add</i>	291.06 52.43	17.35
23 37 13 00-0290 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	249.97 44.21	17.35
23 37 13 00-0291 304 Stainless Steel, Hinged Filter Grilles (23 37 13 00-0263)		
23 37 13 00-0292 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille <i>For 316 Stainless Steel, Add</i>	215.37 37.29	17.35
23 37 13 00-0293 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille <i>For 316 Stainless Steel, Add</i>	150.55 24.33	17.35
23 37 13 00-0294 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 00-0263)		
23 37 13 00-0295 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille <i>For 316 Stainless Steel, Add</i>	118.49 17.92	17.35
23 37 13 00-0296 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF <i>For 316 Stainless Steel, Add</i>	91.52 12.52	17.35
23 37 13 00-0297 304 Stainless Steel, Plaster Frames Replacement (23 37 13 00-0263)		
Note: For frequent replacement.		
23 37 13 00-0298 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement <i>For 316 Stainless Steel, Add</i>	93.49 12.92	17.35
23 37 13 00-0299 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement <i>For 316 Stainless Steel, Add</i>	52.16 4.65	17.35
23 37 13 00-0300 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 00-0263)		
23 37 13 00-0301 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser <i>For 316 Stainless Steel, Add</i>	212.24 36.67	17.35
23 37 13 00-0302 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	167.22 27.66	17.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0303			304 Stainless Steel, Latticed Supply/Return Grilles <small>(23 37 13 00-0263)</small>		
23 37 13 00-0304	SF		Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	77.86	17.35
			<i>For 316 Stainless Steel, Add</i>	9.79	
23 37 13 00-0305	SF		>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille.....	77.86	17.35
			<i>For 316 Stainless Steel, Add</i>	9.79	
23 37 13 00-0306			Security Registers And Grilles <small>(23 37 13)</small>		
23 37 13 00-0307			Maximum Security Steel Supply / Return Registers <small>(23 37 13 00-0306)</small>		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0308	EA		6" x 6" Maximum Security Supply/ Return Register	148.79	12.45
23 37 13 00-0309	EA		9" x 9" Maximum Security Supply/ Return Register	210.60	14.81
23 37 13 00-0310	EA		12" x 6" Maximum Security Supply/ Return Register	198.72	15.54
23 37 13 00-0311	EA		12" x 8" Maximum Security Supply/ Return Register	228.99	17.94
23 37 13 00-0312	EA		10" x 10" Maximum Security Supply/ Return Register	213.71	15.54
23 37 13 00-0313	EA		14" x 12" Maximum Security Supply/ Return Register	295.46	21.87
23 37 13 00-0314	EA		14" x 14" Maximum Security Supply/ Return Register	333.22	23.55
23 37 13 00-0315	EA		18" x 18" Maximum Security Supply/ Return Register	441.85	27.99
23 37 13 00-0316	EA		24" x 24" Maximum Security Supply/ Return Registers	627.27	35.78
23 37 13 00-0317			Staff Security Steel Supply Registers <small>(23 37 13 00-0306)</small>		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0318	EA		6" x 6" Staff Security Supply Register	115.81	12.45
23 37 13 00-0319	EA		9" x 9" Staff Security Supply Register	147.63	14.81
23 37 13 00-0320	EA		12" x 12" Staff Security Supply Register	187.29	20.20
23 37 13 00-0321	EA		15" x 15" Staff Security Supply Register	261.38	23.33
23 37 13 00-0322	EA		21" x 21" Staff Security Supply Register	367.24	31.12
23 37 13 00-0323	EA		24" x 24" Staff Security Supply Register	439.87	35.78
23 37 13 00-0324			Staff Security Steel Return Registers <small>(23 37 13 00-0306)</small>		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0325	EA		10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	144.41	13.46
			Note: Perforated with square holes.		
23 37 13 00-0326	EA		6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	130.80	12.45
			Note: Perforated with square holes.		
23 37 13 00-0327	EA		10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	156.46	14.02
			Note: Perforated with square holes.		
23 37 13 00-0328	EA		12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	161.19	15.14
			Note: Perforated with square holes.		
23 37 13 00-0329	EA		12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	199.00	17.94
			Note: Perforated with square holes.		
23 37 13 00-0330	EA		16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	208.00	17.94
			Note: Perforated with square holes.		
23 37 13 00-0331	EA		16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	230.66	18.62
			Note: Perforated with square holes.		
23 37 13 00-0332	EA		12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	232.27	20.20
			Note: Perforated with square holes.		
23 37 13 00-0333	EA		30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	298.58	22.66
			Note: Perforated with square holes.		
23 37 13 00-0334	EA		14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	257.98	21.87
			Note: Perforated with square holes.		
23 37 13 00-0335	EA		28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	318.23	23.33
			Note: Perforated with square holes.		
23 37 13 00-0336	EA		18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	295.74	23.11
			Note: Perforated with square holes.		
23 37 13 00-0337			Maximum Security Steel Grills <small>(23 37 13 00-0306)</small>		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0338	EA		10" x 4" Maximum Security Grill.....	126.42	13.46
23 37 13 00-0339	EA		6" x 6" Maximum Security Grill.....	115.81	12.45
23 37 13 00-0340	EA		10" x 6" Maximum Security Grill.....	135.47	14.02
23 37 13 00-0341	EA		12" x 5" Maximum Security Grill.....	141.70	15.14
23 37 13 00-0342	EA		12" x 8" Maximum Security Grill.....	167.52	17.94
23 37 13 00-0343	EA		16" x 8" Maximum Security Grill.....	191.68	18.62
23 37 13 00-0344	EA		12" x 12" Maximum Security Grill.....	193.29	20.20
23 37 13 00-0345	EA		14" x 12" Maximum Security Grill.....	210.00	21.87
23 37 13 00-0346	EA		30" x 6" Maximum Security Grill.....	253.60	22.66
23 37 13 00-0347	EA		28" x 8" Maximum Security Grill.....	267.26	23.33
23 37 13 00-0348	EA		18" x 12" Maximum Security Grill.....	246.27	23.11
23 37 13 00-0349			Removal And Reinstallation Of Distribution Devices <small>(23 37 13)</small>		
			Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0350	EA		Remove And Reinstall Variable Air Volume Terminal Unit	208.39	
23 37 13 00-0351	EA		Remove And Reinstall Fan Powered Variable Volume Terminal Unit.....	229.84	
23 37 13 00-0352	EA		Remove And Reinstall Lay-in Diffuser/Register/Grille.....	34.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 00-0353 EA Remove And Reinstall Surface Mounted Diffuser/Register/Grille46.65

23 38 Ventilation Hoods (23 30)**23 38 13 Commercial-Kitchen Hoods** (23 38)**23 38 13 16 Standard Commercial-Kitchen Hoods** (23 38 13)**23 38 13 16-0001 Commercial Kitchen Hood Ventilation System** (23 38 13 16)

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood.....	5,245.54	863.80
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,487.43	917.78
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood.....	6,056.69	971.77
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,270.13	1,025.76
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood.....	6,516.09	1,079.74
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,771.64	1,133.73
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood.....	7,018.24	1,187.72
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,270.66	1,241.71
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood.....	7,543.47	1,295.69
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,787.36	1,349.68
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood.....	8,001.85	1,403.67
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,318.93	1,457.65
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood.....	9,159.59	1,511.65
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	9,424.93	1,565.63
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood.....	9,755.29	1,619.61
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	10,023.69	1,673.61
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood.....	10,390.37	1,727.59

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood.....	6,920.34	863.80
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	7,172.83	917.78
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood.....	7,773.89	971.77
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,029.73	1,025.76
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood.....	8,286.29	1,079.74
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,531.24	1,133.73
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood.....	8,788.44	1,187.72
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	9,035.56	1,241.71
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood.....	9,271.27	1,295.69
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	9,578.76	1,349.68
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood.....	9,925.75	1,403.67
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	10,290.53	1,457.65
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood.....	10,977.49	1,511.65
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	11,348.83	1,565.63
23 38 13 16-0035	EA	15' Long x 60" Deep Dry Extractor Exhaust Hood.....	12,002.49	1,619.61
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	12,668.39	1,673.61
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood.....	13,326.57	1,727.59

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,344.34	863.80
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,607.43	917.78
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,219.09	971.77
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,480.23	1,025.76
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,752.69	1,079.74
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,008.24	1,133.73
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,270.74	1,187.72
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,533.76	1,241.71
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,774.77	1,295.69
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,103.46	1,349.68
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,471.65	1,403.67
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,857.63	1,457.65
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,565.79	1,511.65
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,958.33	1,565.63
23 38 13 16-0053	EA	15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,670.29	1,619.61
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,060.59	1,673.61
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,448.47	1,727.59
23 38 13 16-0056	EA	Fan Wash Control Panel.....	5,038.80	431.89

Note: Includes time clock and backflow preventer.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 38 13 16-0057			Utility Distribution System (UDS) <small>(23 38 13 16-0001)</small>		
Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.					
23 38 13 16-0058	EA		8' Long UDS	25,045.73	439.24
23 38 13 16-0059	EA		8'-6" Long UDS	25,783.95	449.93
23 38 13 16-0060	EA		9' Long UDS	26,514.09	460.40
23 38 13 16-0061	EA		9'-6" Long UDS	27,252.77	475.09
23 38 13 16-0062	EA		10' Long UDS	27,985.35	486.75
23 38 13 16-0063	EA		10'-6" Long UDS	28,711.40	499.06
23 38 13 16-0064	EA		11' Long UDS	29,445.38	507.59
23 38 13 16-0065	EA		11'-6" Long UDS	30,181.31	520.98
23 38 13 16-0066	EA		12' Long UDS	30,928.41	539.87
23 38 13 16-0067	EA		12'-6" Long UDS	31,689.04	565.57
23 38 13 16-0068	EA		13' Long UDS	32,431.53	582.20
23 38 13 16-0069	EA		13'-6" Long UDS	33,188.27	605.95
23 38 13 16-0070	EA		14' Long UDS	33,935.75	625.07
23 38 13 16-0071	EA		14'-6" Long UDS	34,685.73	645.47
23 38 13 16-0072	EA		15" Long UDS	35,438.46	667.28
23 38 13 16-0073	EA		15'-6" Long UDS	36,194.23	690.50
23 38 13 16-0074	EA		16' Long UDS	36,936.33	707.02

23 38 13 16-0075			Stainless Steel Exhaust Hood Material <small>(23 38 13 16)</small>		
Note: Welded seams.					
23 38 13 16-0076	SF		16 Gauge Stainless Steel Exhaust Hood Material	72.16	13.99
23 38 13 16-0077	SF		14 Gauge Stainless Steel Exhaust Hood Material	90.20	18.66
23 38 13 16-0078	SF		12 Gauge Stainless Steel Exhaust Hood Material	125.14	25.19
23 38 13 16-0079	SF		10 Gauge Stainless Steel Exhaust Hood Material	156.10	30.79

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential		11.92	
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23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar		61.77	
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar		59.66	
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar		2.57	

23 41 16 Renewable-Media Air Filters (23 41)

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar		106.30	
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23 41 19 Washable Air Filters (23 41)

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar		40.59	
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23 41 33 High-Efficiency Particulate Filtration (23 41)

23 41 33 00-0001 HEPA Filters (23 41 33)

Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% (23 41 33 00-0001)

23 41 33 00-0003	EA	12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete		111.62	15.57
For Removal And Replacement In Existing Equipment, Add				3.11	
For >10 To 25, Deduct				-2.79	
For >25 To 50, Deduct				-5.58	
For >50 To 100, Deduct				-8.37	
For >100, Deduct				-11.16	
23 41 33 00-0004	EA	24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete		147.94	17.79
For Removal And Replacement In Existing Equipment, Add				3.56	
For >10 To 25, Deduct				-3.70	
For >25 To 50, Deduct				-7.40	
For >50 To 100, Deduct				-11.10	
For >100, Deduct				-14.79	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0005	EA		24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....	173.10	20.56
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.11	
			<i>For >10 To 25, Deduct</i>	-4.33	
			<i>For >25 To 50, Deduct</i>	-8.66	
			<i>For >50 To 100, Deduct</i>	-12.98	
			<i>For >100, Deduct</i>	-17.31	
23 41 33 00-0006	EA		24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....	198.29	23.35
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.67	
			<i>For >10 To 25, Deduct</i>	-4.96	
			<i>For >25 To 50, Deduct</i>	-9.91	
			<i>For >50 To 100, Deduct</i>	-14.87	
			<i>For >100, Deduct</i>	-19.83	
23 41 33 00-0007	EA		12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	135.62	16.67
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.33	
			<i>For >10 To 25, Deduct</i>	-3.39	
			<i>For >25 To 50, Deduct</i>	-6.78	
			<i>For >50 To 100, Deduct</i>	-10.17	
			<i>For >100, Deduct</i>	-13.56	
23 41 33 00-0008	EA		24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	181.65	19.46
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.89	
			<i>For >10 To 25, Deduct</i>	-4.54	
			<i>For >25 To 50, Deduct</i>	-9.08	
			<i>For >50 To 100, Deduct</i>	-13.62	
			<i>For >100, Deduct</i>	-18.17	
23 41 33 00-0009	EA		24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	216.96	22.23
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.45	
			<i>For >10 To 25, Deduct</i>	-5.42	
			<i>For >25 To 50, Deduct</i>	-10.85	
			<i>For >50 To 100, Deduct</i>	-16.27	
			<i>For >100, Deduct</i>	-21.70	
23 41 33 00-0010	EA		24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	257.82	27.79
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.56	
			<i>For >10 To 25, Deduct</i>	-6.45	
			<i>For >25 To 50, Deduct</i>	-12.89	
			<i>For >50 To 100, Deduct</i>	-19.34	
			<i>For >100, Deduct</i>	-25.78	
23 41 33 00-0011			HEPA Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA		12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	95.72	13.90
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.78	
			<i>For >10 To 25, Deduct</i>	-2.39	
			<i>For >25 To 50, Deduct</i>	-4.79	
			<i>For >50 To 100, Deduct</i>	-7.18	
			<i>For >100, Deduct</i>	-9.57	
23 41 33 00-0013	EA		24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	132.06	16.67
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.33	
			<i>For >10 To 25, Deduct</i>	-3.30	
			<i>For >25 To 50, Deduct</i>	-6.60	
			<i>For >50 To 100, Deduct</i>	-9.90	
			<i>For >100, Deduct</i>	-13.21	
23 41 33 00-0014	EA		24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	201.10	19.46
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.89	
			<i>For >10 To 25, Deduct</i>	-5.03	
			<i>For >25 To 50, Deduct</i>	-10.06	
			<i>For >50 To 100, Deduct</i>	-15.08	
			<i>For >100, Deduct</i>	-20.11	
23 41 33 00-0015	EA		36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	258.11	22.23
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.45	
			<i>For >10 To 25, Deduct</i>	-6.45	
			<i>For >25 To 50, Deduct</i>	-12.91	
			<i>For >50 To 100, Deduct</i>	-19.36	
			<i>For >100, Deduct</i>	-25.81	
23 41 33 00-0016	EA		8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	90.10	11.11
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.22	
			<i>For >10 To 25, Deduct</i>	-2.25	
			<i>For >25 To 50, Deduct</i>	-4.51	
			<i>For >50 To 100, Deduct</i>	-6.76	
			<i>For >100, Deduct</i>	-9.01	
23 41 33 00-0017	EA		12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	119.46	15.00
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.00	
			<i>For >10 To 25, Deduct</i>	-2.99	
			<i>For >25 To 50, Deduct</i>	-5.97	
			<i>For >50 To 100, Deduct</i>	-8.96	
			<i>For >100, Deduct</i>	-11.95	
23 41 33 00-0018	EA		24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	160.42	17.79
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.56	
			<i>For >10 To 25, Deduct</i>	-4.01	
			<i>For >25 To 50, Deduct</i>	-8.02	
			<i>For >50 To 100, Deduct</i>	-12.03	
			<i>For >100, Deduct</i>	-16.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0019 EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	188.33	20.84
For Removal And Replacement In Existing Equipment, Add	4.17	
For >10 To 25, Deduct	-4.71	
For >25 To 50, Deduct	-9.42	
For >50 To 100, Deduct	-14.12	
For >100, Deduct	-18.83	
23 41 33 00-0020 EA 24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	215.13	23.35
For Removal And Replacement In Existing Equipment, Add	4.67	
For >10 To 25, Deduct	-5.38	
For >25 To 50, Deduct	-10.76	
For >50 To 100, Deduct	-16.13	
For >100, Deduct	-21.51	
23 41 33 00-0021 EA 12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	146.98	16.67
For Removal And Replacement In Existing Equipment, Add	3.33	
For >10 To 25, Deduct	-3.67	
For >25 To 50, Deduct	-7.35	
For >50 To 100, Deduct	-11.02	
For >100, Deduct	-14.70	
23 41 33 00-0022 EA 24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	197.52	19.46
For Removal And Replacement In Existing Equipment, Add	3.89	
For >10 To 25, Deduct	-4.94	
For >25 To 50, Deduct	-9.88	
For >50 To 100, Deduct	-14.81	
For >100, Deduct	-19.75	
23 41 33 00-0023 EA 24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	236.13	22.23
For Removal And Replacement In Existing Equipment, Add	4.45	
For >10 To 25, Deduct	-5.90	
For >25 To 50, Deduct	-11.81	
For >50 To 100, Deduct	-17.71	
For >100, Deduct	-23.61	
23 41 33 00-0024 EA 24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	290.98	27.79
For Removal And Replacement In Existing Equipment, Add	5.56	
For >10 To 25, Deduct	-7.27	
For >25 To 50, Deduct	-14.55	
For >50 To 100, Deduct	-21.82	
For >100, Deduct	-29.10	
23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)		
Note: Nominal sizes.		
23 41 33 00-0026 EA 12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	280.14	82.88
23 41 33 00-0027 EA 24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	524.06	164.75
23 41 33 00-0028 EA 24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	531.82	164.75
23 41 33 00-0029 EA 24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	537.00	164.75
23 41 33 00-0030 EA 24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	573.22	164.75
23 41 33 00-0031 EA 24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	618.49	164.75
23 41 33 00-0032 EA 48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,017.08	330.51
23 41 33 00-0033 EA 48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,127.03	330.51
23 41 33 00-0034 EA 48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,266.73	330.51
23 41 33 00-0035 EA 12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	302.13	82.88
23 41 33 00-0036 EA 24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	561.57	164.75
23 41 33 00-0037 EA 24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	570.63	164.75
23 41 33 00-0038 EA 24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	577.10	164.75
23 41 33 00-0039 EA 24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	619.78	164.75
23 41 33 00-0040 EA 24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	676.70	164.75
23 41 33 00-0041 EA 48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,107.63	330.51
23 41 33 00-0042 EA 48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,244.74	330.51
23 41 33 00-0043 EA 48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,418.08	330.51
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)		
23 41 33 00-0045 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	253.45	107.44
23 41 33 00-0046 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	289.65	107.44
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)		
23 41 33 00-0048 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	249.30	107.44
23 41 33 00-0049 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	276.00	107.44
23 42 Gas-Phase Air Filtration (23 40)		
23 42 13 Activated-Carbon Air Filtration (23 42)		
23 42 13 00-0001 EA 12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.23	8.34
23 42 13 00-0002 EA 16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.69	8.34
23 42 13 00-0003 EA 16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.96	8.34
23 42 13 00-0004 EA 20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	40.96	8.34
23 42 13 00-0005 EA 20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	44.35	8.34
23 42 13 00-0006 EA 24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	49.93	8.34
23 42 13 00-0007 EA 12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	50.75	9.45
23 42 13 00-0008 EA 16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.13	9.45
23 42 13 00-0009 EA 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.45	9.45
23 42 13 00-0010 EA 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	51.45	9.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	55.20	9.45
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	65.66	9.45
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	24.71	8.34
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	26.32	8.34
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	26.38	8.34
23 42 13 00-0016	EA		20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	28.50	8.34
23 42 13 00-0017	EA		24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	30.37	8.34
23 42 13 00-0018	EA		16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	28.60	9.45
23 42 13 00-0019	EA		16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	31.42	9.45
23 42 13 00-0020	EA		20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	32.01	9.45
23 42 13 00-0021	EA		20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	35.50	9.45
23 42 13 00-0022	EA		24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	37.72	9.45
23 42 13 00-0023	EA		24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	61.79	10.00

23 44 Ultraviolet HVAC Microbial Control (23 40)**23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures** (23 44)

23 44 00 00-0002	EA		18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	453.00	66.88
			Note: Includes tube.		
23 44 00 00-0003	EA		24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	473.19	70.20
			Note: Includes tube.		
23 44 00 00-0004	EA		30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	476.85	73.21
			Note: Includes tube.		
23 44 00 00-0005	EA		36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	499.05	76.91
			Note: Includes tube.		
23 44 00 00-0006	EA		42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	537.84	80.23
			Note: Includes tube.		
23 44 00 00-0007	EA		62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	611.18	82.73
			Note: Includes tube.		

23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)

23 44 00 00-0009	EA		12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO).....	388.32	46.33
			Note: Includes tube.		
23 44 00 00-0010	EA		16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO).....	396.31	50.14
			Note: Includes tube.		
23 44 00 00-0011	EA		20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO).....	404.48	53.15
			Note: Includes tube.		
23 44 00 00-0012	EA		24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO).....	406.23	57.16
			Note: Includes tube.		
23 44 00 00-0013	EA		30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO).....	423.18	60.17
			Note: Includes tube.		
23 44 00 00-0014	EA		36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO).....	433.99	63.18
			Note: Includes tube.		
23 44 00 00-0015	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO).....	444.87	67.18
			Note: Includes tube.		
23 44 00 00-0016	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO).....	451.08	46.33
			Note: Includes tube.		
23 44 00 00-0017	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO).....	459.07	50.14
			Note: Includes tube.		
23 44 00 00-0018	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO).....	467.23	53.15
			Note: Includes tube.		
23 44 00 00-0019	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO).....	468.99	57.16
			Note: Includes tube.		
23 44 00 00-0020	EA		30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO).....	485.94	60.17
			Note: Includes tube.		
23 44 00 00-0021	EA		36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO).....	496.75	63.18
			Note: Includes tube.		
23 44 00 00-0022	EA		42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO).....	507.63	67.18
			Note: Includes tube.		
23 44 00 00-0023	EA		16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO).....	322.52	50.14
			Note: Includes tube.		
23 44 00 00-0024	EA		20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO).....	330.68	53.15
			Note: Includes tube.		
23 44 00 00-0025	EA		24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO).....	332.44	57.16
			Note: Includes tube.		
23 44 00 00-0026	EA		30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO).....	349.39	60.17
			Note: Includes tube.		
23 44 00 00-0027	EA		36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO).....	360.20	63.18
			Note: Includes tube.		
23 44 00 00-0028	EA		42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO).....	371.07	67.18
			Note: Includes tube.		

23 44 00 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 44)

23 44 00 00-0030	EA		16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	295.46	64.18
			Note: Includes tube.		
23 44 00 00-0031	EA		20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	303.41	67.18
			Note: Includes tube.		
23 44 00 00-0032	EA		24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	311.33	70.20
			Note: Includes tube.		



Heating, Ventilating, And Air-Conditioning (HVAC)			23
HVAC Air Cleaning Devices			23 40
Ultraviolet HVAC Microbial Control			23 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 44 00 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	321.18	73.21
23 44 00 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	333.18	76.91
23 44 00 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	344.05	80.23
23 44 00 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 44)		
23 44 00 00-0037 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	78.04	
23 44 00 00-0038 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	81.92	
23 44 00 00-0039 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	91.88	
23 44 00 00-0040 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	104.53	
23 44 00 00-0041 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	117.46	
23 44 00 00-0042 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	142.06	
23 44 00 00-0043 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	75.03	
23 44 00 00-0044 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	79.02	
23 44 00 00-0045 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	83.16	
23 44 00 00-0046 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	80.92	
23 44 00 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	93.85	
23 44 00 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	100.66	
23 44 00 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	107.52	
23 44 00 00-0050 EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	217.14	
23 44 00 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)		
23 44 00 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	402.39	
23 44 00 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	500.70	
23 44 00 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	248.02	
23 44 00 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	260.06	
23 44 00 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	306.52	
23 44 00 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)	200.84	
23 44 00 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)..... Note: Includes power supply, wires and connectors. Excludes emitter.	215.65	
23 44 00 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	288.96	
23 44 00 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	285.54	
23 44 00 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	10.92	
23 44 00 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	37.95	
23 44 00 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	14.15	
23 44 00 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	13.55	
23 44 00 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	35.51	
23 44 00 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	37.41	
23 44 00 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	33.62	
23 44 00 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	27.92	
23 44 00 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	26.57	
23 44 00 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	15.94	
23 44 00 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	29.44	
23 44 00 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	15.99	
23 44 00 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	56.55	
23 44 00 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	59.10	
23 50 Central Heating Equipment (23)		
Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.		
23 51 Breechings, Chimneys, And Stacks (23 50)		
23 51 13 Draft Control Devices (23 51)		
23 51 13 00-0001 Vertical Discharge Fans (23 51 13) Note: Includes chimney adapter. Excludes wiring.		
23 51 13 00-0002 Axial Vane Vertical Discharge Fans (23 51 13 00-0001)		
23 51 13 00-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,796.03	225.11
23 51 13 00-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,309.27	245.58
23 51 13 00-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,186.97	271.16
23 51 13 00-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,802.65	314.65
23 51 13 00-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 00-0001)		
23 51 13 00-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,578.32	245.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 00-0009	EA		1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,600.38	271.16
23 51 13 00-0010	EA		2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,293.26	317.21
23 51 13 00-0011	EA		3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,649.26	355.57
23 51 13 00-0012			Accessories For Vertical Discharge Fans (23 51 13 00-0001)		
23 51 13 00-0013	EA		Modulating Fan Controller And Sensor.....	507.73	76.75
23 51 13 00-0014			Flue Shutter Dampers (23 51 13 00-0001)		
23 51 13 00-0015	EA		8" Flue Size, Shutter Damper.....	550.83	102.33
23 51 13 00-0016	EA		9" Flue Size, Shutter Damper.....	593.82	108.97
23 51 13 00-0017	EA		10" Flue Size, Shutter Damper.....	619.05	116.65
23 51 13 00-0018	EA		12" Flue Size, Shutter Damper.....	677.02	125.85
23 51 13 00-0019	EA		14" Flue Size, Shutter Damper.....	757.85	136.60
23 51 13 00-0020	EA		16" Flue Size, Shutter Damper.....	821.95	148.88
23 51 13 00-0021	EA		18" Flue Size, Shutter Damper.....	901.10	163.72
23 51 13 00-0022	EA		20" Flue Size, Shutter Damper.....	1,002.22	182.14
23 51 13 00-0023	EA		22" Flue Size, Shutter Damper.....	1,111.56	204.65
23 51 13 00-0024	EA		24" Flue Size, Shutter Damper.....	1,234.21	233.81
23 51 16			Fabricated Breechings And Accessories (23 51)		
23 51 16 00-0001			Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0002			Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)		
23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	28.55	9.11
			For Aluminum Liner, Add	0.32	
			For Stainless Steel Liner, Add	0.44	
			For High Temperature Breaching, Add	4.02	
			For Very High Temperature Breaching, Add	7.17	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	30.64	9.62
			For Aluminum Liner, Add	0.39	
			For Stainless Steel Liner, Add	0.54	
			For High Temperature Breaching, Add	4.50	
			For Very High Temperature Breaching, Add	7.92	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	33.81	10.24
			For Aluminum Liner, Add	0.47	
			For Stainless Steel Liner, Add	0.64	
			For High Temperature Breaching, Add	5.08	
			For Very High Temperature Breaching, Add	8.88	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	36.84	10.95
			For Aluminum Liner, Add	0.54	
			For Stainless Steel Liner, Add	0.74	
			For High Temperature Breaching, Add	5.66	
			For Very High Temperature Breaching, Add	9.83	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	43.13	11.66
			For Aluminum Liner, Add	0.80	
			For Stainless Steel Liner, Add	1.09	
			For High Temperature Breaching, Add	7.22	
			For Very High Temperature Breaching, Add	12.26	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	47.94	12.59
			For Aluminum Liner, Add	0.89	
			For Stainless Steel Liner, Add	1.21	
			For High Temperature Breaching, Add	8.03	
			For Very High Temperature Breaching, Add	13.63	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	68.50	13.50
			For Aluminum Liner, Add	1.88	
			For Stainless Steel Liner, Add	2.56	
			For High Temperature Breaching, Add	13.68	
			For Very High Temperature Breaching, Add	22.24	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	83.06	14.94
			For Aluminum Liner, Add	2.52	
			For Stainless Steel Liner, Add	3.44	
			For High Temperature Breaching, Add	17.47	
			For Very High Temperature Breaching, Add	28.07	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	115.93	15.55
			For Aluminum Liner, Add	4.23	
			For Stainless Steel Liner, Add	5.77	
			For High Temperature Breaching, Add	26.98	
			For Very High Temperature Breaching, Add	42.42	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	144.50	16.37
			For Aluminum Liner, Add	5.71	
			For Stainless Steel Liner, Add	7.78	
			For High Temperature Breaching, Add	35.20	
			For Very High Temperature Breaching, Add	54.84	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	177.44	17.19
			For Aluminum Liner, Add	7.37	
			For Stainless Steel Liner, Add	10.05	
			For High Temperature Breaching, Add	44.55	
			For Very High Temperature Breaching, Add	68.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	226.49	27.32
<i>For Aluminum Liner, Add</i>	8.75	
<i>For Stainless Steel Liner, Add</i>	11.93	
<i>For High Temperature Breaching, Add</i>	54.47	
<i>For Very High Temperature Breaching, Add</i>	85.07	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	273.40	28.86
<i>For Aluminum Liner, Add</i>	11.03	
<i>For Stainless Steel Liner, Add</i>	15.04	
<i>For High Temperature Breaching, Add</i>	67.46	
<i>For Very High Temperature Breaching, Add</i>	104.83	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	324.63	30.70
<i>For Aluminum Liner, Add</i>	13.60	
<i>For Stainless Steel Liner, Add</i>	18.55	
<i>For High Temperature Breaching, Add</i>	81.92	
<i>For Very High Temperature Breaching, Add</i>	126.74	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	376.61	31.72
<i>For Aluminum Liner, Add</i>	16.36	
<i>For Stainless Steel Liner, Add</i>	22.31	
<i>For High Temperature Breaching, Add</i>	97.14	
<i>For Very High Temperature Breaching, Add</i>	149.67	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	394.81	32.75
<i>For Aluminum Liner, Add</i>	17.21	
<i>For Stainless Steel Liner, Add</i>	23.47	
<i>For High Temperature Breaching, Add</i>	102.08	
<i>For Very High Temperature Breaching, Add</i>	157.21	
23 51 16 00-0019 LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	419.61	35.10
<i>For Aluminum Liner, Add</i>	18.26	
<i>For Stainless Steel Liner, Add</i>	24.90	
<i>For High Temperature Breaching, Add</i>	108.36	
<i>For Very High Temperature Breaching, Add</i>	166.92	
23 51 16 00-0020 LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	474.74	36.43
<i>For Aluminum Liner, Add</i>	21.11	
<i>For Stainless Steel Liner, Add</i>	28.79	
<i>For High Temperature Breaching, Add</i>	124.25	
<i>For Very High Temperature Breaching, Add</i>	190.92	
23 51 16 00-0021 LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	531.84	37.76
<i>For Aluminum Liner, Add</i>	24.06	
<i>For Stainless Steel Liner, Add</i>	32.81	
<i>For High Temperature Breaching, Add</i>	140.68	
<i>For Very High Temperature Breaching, Add</i>	215.74	
23 51 16 00-0022 LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	559.80	39.29
<i>For Aluminum Liner, Add</i>	25.39	
<i>For Stainless Steel Liner, Add</i>	34.63	
<i>For High Temperature Breaching, Add</i>	148.32	
<i>For Very High Temperature Breaching, Add</i>	227.38	
23 51 16 00-0023 LF 38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	607.12	40.93
<i>For Aluminum Liner, Add</i>	27.77	
<i>For Stainless Steel Liner, Add</i>	37.87	
<i>For High Temperature Breaching, Add</i>	161.69	
<i>For Very High Temperature Breaching, Add</i>	247.65	
23 51 16 00-0024 LF 40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	668.70	42.67
<i>For Aluminum Liner, Add</i>	30.91	
<i>For Stainless Steel Liner, Add</i>	42.15	
<i>For High Temperature Breaching, Add</i>	179.27	
<i>For Very High Temperature Breaching, Add</i>	274.24	
23 51 16 00-0025 LF 42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	699.57	44.61
<i>For Aluminum Liner, Add</i>	32.34	
<i>For Stainless Steel Liner, Add</i>	44.09	
<i>For High Temperature Breaching, Add</i>	187.54	
<i>For Very High Temperature Breaching, Add</i>	286.89	
23 51 16 00-0026 LF 44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	774.05	46.76
<i>For Aluminum Liner, Add</i>	36.14	
<i>For Stainless Steel Liner, Add</i>	49.28	
<i>For High Temperature Breaching, Add</i>	208.82	
<i>For Very High Temperature Breaching, Add</i>	319.08	
23 51 16 00-0027 LF 46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	840.41	49.12
<i>For Aluminum Liner, Add</i>	39.47	
<i>For Stainless Steel Liner, Add</i>	53.82	
<i>For High Temperature Breaching, Add</i>	227.56	
<i>For Very High Temperature Breaching, Add</i>	347.48	
23 51 16 00-0028 LF 48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	924.41	51.67
<i>For Aluminum Liner, Add</i>	43.75	
<i>For Stainless Steel Liner, Add</i>	59.66	
<i>For High Temperature Breaching, Add</i>	251.52	
<i>For Very High Temperature Breaching, Add</i>	383.73	
23 51 16 00-0029 90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030 EA 3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.91	18.21
<i>For Aluminum Liner, Add</i>	1.47	
<i>For Stainless Steel Liner, Add</i>	2.01	
<i>For High Temperature Breaching, Add</i>	12.55	
<i>For Very High Temperature Breaching, Add</i>	21.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	79.60	19.23
			<i>For Aluminum Liner, Add</i>	1.74	
			<i>For Stainless Steel Liner, Add</i>	2.37	
			<i>For High Temperature Breaching, Add</i>	14.28	
			<i>For Very High Temperature Breaching, Add</i>	23.83	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	88.69	20.46
			<i>For Aluminum Liner, Add</i>	2.08	
			<i>For Stainless Steel Liner, Add</i>	2.83	
			<i>For High Temperature Breaching, Add</i>	16.42	
			<i>For Very High Temperature Breaching, Add</i>	27.18	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	97.99	21.80
			<i>For Aluminum Liner, Add</i>	2.41	
			<i>For Stainless Steel Liner, Add</i>	3.29	
			<i>For High Temperature Breaching, Add</i>	18.57	
			<i>For Very High Temperature Breaching, Add</i>	30.57	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	116.68	23.33
			<i>For Aluminum Liner, Add</i>	3.23	
			<i>For Stainless Steel Liner, Add</i>	4.40	
			<i>For High Temperature Breaching, Add</i>	23.40	
			<i>For Very High Temperature Breaching, Add</i>	38.01	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	136.42	25.17
			<i>For Aluminum Liner, Add</i>	4.04	
			<i>For Stainless Steel Liner, Add</i>	5.51	
			<i>For High Temperature Breaching, Add</i>	28.34	
			<i>For Very High Temperature Breaching, Add</i>	45.66	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	237.43	27.32
			<i>For Aluminum Liner, Add</i>	9.30	
			<i>For Stainless Steel Liner, Add</i>	12.68	
			<i>For High Temperature Breaching, Add</i>	57.55	
			<i>For Very High Temperature Breaching, Add</i>	89.74	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	287.50	29.77
			<i>For Aluminum Liner, Add</i>	11.72	
			<i>For Stainless Steel Liner, Add</i>	15.98	
			<i>For High Temperature Breaching, Add</i>	71.37	
			<i>For Very High Temperature Breaching, Add</i>	110.78	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	372.65	31.21
			<i>For Aluminum Liner, Add</i>	16.21	
			<i>For Stainless Steel Liner, Add</i>	22.10	
			<i>For High Temperature Breaching, Add</i>	96.20	
			<i>For Very High Temperature Breaching, Add</i>	148.20	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	457.96	32.75
			<i>For Aluminum Liner, Add</i>	20.69	
			<i>For Stainless Steel Liner, Add</i>	28.22	
			<i>For High Temperature Breaching, Add</i>	121.05	
			<i>For Very High Temperature Breaching, Add</i>	185.66	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	591.85	34.49
			<i>For Aluminum Liner, Add</i>	27.81	
			<i>For Stainless Steel Liner, Add</i>	37.92	
			<i>For High Temperature Breaching, Add</i>	160.31	
			<i>For Very High Temperature Breaching, Add</i>	244.77	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	834.65	54.54
			<i>For Aluminum Liner, Add</i>	38.40	
			<i>For Stainless Steel Liner, Add</i>	52.36	
			<i>For High Temperature Breaching, Add</i>	223.10	
			<i>For Very High Temperature Breaching, Add</i>	341.47	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,099.89	57.81
			<i>For Aluminum Liner, Add</i>	52.54	
			<i>For Stainless Steel Liner, Add</i>	71.65	
			<i>For High Temperature Breaching, Add</i>	301.06	
			<i>For Very High Temperature Breaching, Add</i>	458.82	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,241.28	61.39
			<i>For Aluminum Liner, Add</i>	59.82	
			<i>For Stainless Steel Liner, Add</i>	81.57	
			<i>For High Temperature Breaching, Add</i>	341.66	
			<i>For Very High Temperature Breaching, Add</i>	520.17	
23 51 16 00-0044			45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	60.86	18.21
			<i>For Aluminum Liner, Add</i>	0.85	
			<i>For Stainless Steel Liner, Add</i>	1.16	
			<i>For High Temperature Breaching, Add</i>	9.17	
			<i>For Very High Temperature Breaching, Add</i>	16.03	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	66.38	19.23
			<i>For Aluminum Liner, Add</i>	1.00	
			<i>For Stainless Steel Liner, Add</i>	1.36	
			<i>For High Temperature Breaching, Add</i>	10.28	
			<i>For Very High Temperature Breaching, Add</i>	17.82	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	72.58	20.46
			<i>For Aluminum Liner, Add</i>	1.18	
			<i>For Stainless Steel Liner, Add</i>	1.61	
			<i>For High Temperature Breaching, Add</i>	11.54	
			<i>For Very High Temperature Breaching, Add</i>	19.87	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Heating Equipment	23 50
Breechings, Chimneys, And Stacks	23 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	80.19	21.80
<i>For Aluminum Liner, Add</i>	1.41	
<i>For Stainless Steel Liner, Add</i>	1.92	
<i>For High Temperature Breaching, Add</i>	13.15	
<i>For Very High Temperature Breaching, Add</i>	22.45	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	95.19	23.33
<i>For Aluminum Liner, Add</i>	2.02	
<i>For Stainless Steel Liner, Add</i>	2.76	
<i>For High Temperature Breaching, Add</i>	16.87	
<i>For Very High Temperature Breaching, Add</i>	28.22	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	105.19	25.17
<i>For Aluminum Liner, Add</i>	2.32	
<i>For Stainless Steel Liner, Add</i>	3.17	
<i>For High Temperature Breaching, Add</i>	18.97	
<i>For Very High Temperature Breaching, Add</i>	31.60	
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	173.87	27.32
<i>For Aluminum Liner, Add</i>	5.81	
<i>For Stainless Steel Liner, Add</i>	7.92	
<i>For High Temperature Breaching, Add</i>	38.52	
<i>For Very High Temperature Breaching, Add</i>	61.18	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	207.60	29.77
<i>For Aluminum Liner, Add</i>	7.33	
<i>For Stainless Steel Liner, Add</i>	9.99	
<i>For High Temperature Breaching, Add</i>	47.40	
<i>For Very High Temperature Breaching, Add</i>	74.82	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	265.39	31.21
<i>For Aluminum Liner, Add</i>	10.31	
<i>For Stainless Steel Liner, Add</i>	14.06	
<i>For High Temperature Breaching, Add</i>	64.02	
<i>For Very High Temperature Breaching, Add</i>	99.93	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	316.99	32.75
<i>For Aluminum Liner, Add</i>	12.93	
<i>For Stainless Steel Liner, Add</i>	17.64	
<i>For High Temperature Breaching, Add</i>	78.73	
<i>For Very High Temperature Breaching, Add</i>	122.19	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	402.16	34.49
<i>For Aluminum Liner, Add</i>	17.38	
<i>For Stainless Steel Liner, Add</i>	23.70	
<i>For High Temperature Breaching, Add</i>	103.42	
<i>For Very High Temperature Breaching, Add</i>	159.43	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	492.49	54.44
<i>For Aluminum Liner, Add</i>	19.60	
<i>For Stainless Steel Liner, Add</i>	26.73	
<i>For High Temperature Breaching, Add</i>	120.53	
<i>For Very High Temperature Breaching, Add</i>	187.60	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	681.00	57.81
<i>For Aluminum Liner, Add</i>	29.51	
<i>For Stainless Steel Liner, Add</i>	40.24	
<i>For High Temperature Breaching, Add</i>	175.39	
<i>For Very High Temperature Breaching, Add</i>	270.32	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	833.16	61.39
<i>For Aluminum Liner, Add</i>	37.39	
<i>For Stainless Steel Liner, Add</i>	50.98	
<i>For High Temperature Breaching, Add</i>	219.27	
<i>For Very High Temperature Breaching, Add</i>	336.57	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,499.67	63.44
<i>For Aluminum Liner, Add</i>	73.76	
<i>For Stainless Steel Liner, Add</i>	100.59	
<i>For High Temperature Breaching, Add</i>	418.20	
<i>For Very High Temperature Breaching, Add</i>	635.23	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,541.53	65.49
<i>For Aluminum Liner, Add</i>	75.79	
<i>For Stainless Steel Liner, Add</i>	103.34	
<i>For High Temperature Breaching, Add</i>	429.74	
<i>For Very High Temperature Breaching, Add</i>	652.79	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,625.26	69.58
<i>For Aluminum Liner, Add</i>	79.83	
<i>For Stainless Steel Liner, Add</i>	108.86	
<i>For High Temperature Breaching, Add</i>	452.81	
<i>For Very High Temperature Breaching, Add</i>	687.90	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,814.08	71.63
<i>For Aluminum Liner, Add</i>	89.93	
<i>For Stainless Steel Liner, Add</i>	122.63	
<i>For High Temperature Breaching, Add</i>	508.43	
<i>For Very High Temperature Breaching, Add</i>	771.60	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,980.48	75.72
<i>For Aluminum Liner, Add</i>	98.52	
<i>For Stainless Steel Liner, Add</i>	134.35	
<i>For High Temperature Breaching, Add</i>	556.31	
<i>For Very High Temperature Breaching, Add</i>	843.92	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,041.75	81.86
<i>For Aluminum Liner, Add</i>	101.05	
<i>For Stainless Steel Liner, Add</i>	137.79	
<i>For High Temperature Breaching, Add</i>	571.62	
<i>For Very High Temperature Breaching, Add</i>	867.66	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,186.70	84.72
			<i>For Aluminum Liner, Add</i>	108.63	
			<i>For Stainless Steel Liner, Add</i>	148.13	
			<i>For High Temperature Breaching, Add</i>	613.67	
			<i>For Very High Temperature Breaching, Add</i>	931.10	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,327.56	85.96
			<i>For Aluminum Liner, Add</i>	116.20	
			<i>For Stainless Steel Liner, Add</i>	158.46	
			<i>For High Temperature Breaching, Add</i>	655.32	
			<i>For Very High Temperature Breaching, Add</i>	993.71	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,429.63	90.05
			<i>For Aluminum Liner, Add</i>	121.26	
			<i>For Stainless Steel Liner, Add</i>	165.35	
			<i>For High Temperature Breaching, Add</i>	683.90	
			<i>For Very High Temperature Breaching, Add</i>	1,037.09	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,577.65	94.14
			<i>For Aluminum Liner, Add</i>	128.84	
			<i>For Stainless Steel Liner, Add</i>	175.68	
			<i>For High Temperature Breaching, Add</i>	726.26	
			<i>For Very High Temperature Breaching, Add</i>	1,101.15	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,771.59	98.23
			<i>For Aluminum Liner, Add</i>	138.94	
			<i>For Stainless Steel Liner, Add</i>	189.46	
			<i>For High Temperature Breaching, Add</i>	782.40	
			<i>For Very High Temperature Breaching, Add</i>	1,185.87	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,873.68	102.33
			<i>For Aluminum Liner, Add</i>	143.99	
			<i>For Stainless Steel Liner, Add</i>	196.35	
			<i>For High Temperature Breaching, Add</i>	810.98	
			<i>For Very High Temperature Breaching, Add</i>	1,229.25	
23 51 16 00-0071			Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	98.38	24.25
			<i>For Aluminum Liner, Add</i>	2.07	
			<i>For Stainless Steel Liner, Add</i>	2.82	
			<i>For High Temperature Breaching, Add</i>	17.37	
			<i>For Very High Temperature Breaching, Add</i>	29.09	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	102.43	25.17
			<i>For Aluminum Liner, Add</i>	2.17	
			<i>For Stainless Steel Liner, Add</i>	2.96	
			<i>For High Temperature Breaching, Add</i>	18.14	
			<i>For Very High Temperature Breaching, Add</i>	30.36	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	106.84	26.19
			<i>For Aluminum Liner, Add</i>	2.27	
			<i>For Stainless Steel Liner, Add</i>	3.10	
			<i>For High Temperature Breaching, Add</i>	18.95	
			<i>For Very High Temperature Breaching, Add</i>	31.70	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	114.18	27.32
			<i>For Aluminum Liner, Add</i>	2.53	
			<i>For Stainless Steel Liner, Add</i>	3.44	
			<i>For High Temperature Breaching, Add</i>	20.60	
			<i>For Very High Temperature Breaching, Add</i>	34.32	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	134.60	28.44
			<i>For Aluminum Liner, Add</i>	3.49	
			<i>For Stainless Steel Liner, Add</i>	4.75	
			<i>For High Temperature Breaching, Add</i>	26.14	
			<i>For Very High Temperature Breaching, Add</i>	42.77	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	144.19	29.77
			<i>For Aluminum Liner, Add</i>	3.84	
			<i>For Stainless Steel Liner, Add</i>	5.24	
			<i>For High Temperature Breaching, Add</i>	28.38	
			<i>For Very High Temperature Breaching, Add</i>	46.29	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	267.19	31.21
			<i>For Aluminum Liner, Add</i>	10.41	
			<i>For Stainless Steel Liner, Add</i>	14.19	
			<i>For High Temperature Breaching, Add</i>	64.57	
			<i>For Very High Temperature Breaching, Add</i>	100.75	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	309.65	32.75
			<i>For Aluminum Liner, Add</i>	12.53	
			<i>For Stainless Steel Liner, Add</i>	17.09	
			<i>For High Temperature Breaching, Add</i>	76.53	
			<i>For Very High Temperature Breaching, Add</i>	118.89	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	462.05	36.43
			<i>For Aluminum Liner, Add</i>	20.41	
			<i>For Stainless Steel Liner, Add</i>	27.83	
			<i>For High Temperature Breaching, Add</i>	120.43	
			<i>For Very High Temperature Breaching, Add</i>	185.19	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	627.74	40.93
			<i>For Aluminum Liner, Add</i>	28.90	
			<i>For Stainless Steel Liner, Add</i>	39.41	
			<i>For High Temperature Breaching, Add</i>	167.86	
			<i>For Very High Temperature Breaching, Add</i>	256.91	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Heating Equipment	23 50
Breechings, Chimneys, And Stacks	23 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	778.32	46.76
<i>For Aluminum Liner, Add</i>	36.38	
<i>For Stainless Steel Liner, Add</i>	49.61	
<i>For High Temperature Breaching, Add</i>	210.11	
<i>For Very High Temperature Breaching, Add</i>	321.01	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,035.42	57.81
<i>For Aluminum Liner, Add</i>	49.01	
<i>For Stainless Steel Liner, Add</i>	66.83	
<i>For High Temperature Breaching, Add</i>	281.75	
<i>For Very High Temperature Breaching, Add</i>	429.85	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,300.31	75.51
<i>For Aluminum Liner, Add</i>	61.13	
<i>For Stainless Steel Liner, Add</i>	83.36	
<i>For High Temperature Breaching, Add</i>	352.34	
<i>For Very High Temperature Breaching, Add</i>	537.94	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,494.79	79.81
<i>For Aluminum Liner, Add</i>	71.24	
<i>For Stainless Steel Liner, Add</i>	97.14	
<i>For High Temperature Breaching, Add</i>	408.53	
<i>For Very High Temperature Breaching, Add</i>	622.77	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,052.20	85.96
<i>For Aluminum Liner, Add</i>	101.05	
<i>For Stainless Steel Liner, Add</i>	137.79	
<i>For High Temperature Breaching, Add</i>	572.67	
<i>For Very High Temperature Breaching, Add</i>	869.75	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,290.10	89.33
<i>For Aluminum Liner, Add</i>	113.68	
<i>For Stainless Steel Liner, Add</i>	155.02	
<i>For High Temperature Breaching, Add</i>	642.39	
<i>For Very High Temperature Breaching, Add</i>	974.74	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,485.94	94.14
<i>For Aluminum Liner, Add</i>	123.78	
<i>For Stainless Steel Liner, Add</i>	168.80	
<i>For High Temperature Breaching, Add</i>	698.71	
<i>For Very High Temperature Breaching, Add</i>	1,059.84	
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,863.56	98.23
<i>For Aluminum Liner, Add</i>	143.99	
<i>For Stainless Steel Liner, Add</i>	196.35	
<i>For High Temperature Breaching, Add</i>	809.97	
<i>For Very High Temperature Breaching, Add</i>	1,227.22	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,919.79	102.33
<i>For Aluminum Liner, Add</i>	146.52	
<i>For Stainless Steel Liner, Add</i>	199.80	
<i>For High Temperature Breaching, Add</i>	824.78	
<i>For Very High Temperature Breaching, Add</i>	1,249.95	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,396.29	109.18
<i>For Aluminum Liner, Add</i>	171.78	
<i>For Stainless Steel Liner, Add</i>	234.25	
<i>For High Temperature Breaching, Add</i>	964.29	
<i>For Very High Temperature Breaching, Add</i>	1,460.08	
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,476.31	122.79
<i>For Aluminum Liner, Add</i>	174.31	
<i>For Stainless Steel Liner, Add</i>	237.69	
<i>For High Temperature Breaching, Add</i>	981.47	
<i>For Very High Temperature Breaching, Add</i>	1,487.56	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,795.71	140.39
<i>For Aluminum Liner, Add</i>	189.46	
<i>For Stainless Steel Liner, Add</i>	258.36	
<i>For High Temperature Breaching, Add</i>	1,068.53	
<i>For Very High Temperature Breaching, Add</i>	1,620.34	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,175.61	163.72
<i>For Aluminum Liner, Add</i>	207.15	
<i>For Stainless Steel Liner, Add</i>	282.47	
<i>For High Temperature Breaching, Add</i>	1,170.82	
<i>For Very High Temperature Breaching, Add</i>	1,776.70	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,547.92	184.18
<i>For Aluminum Liner, Add</i>	224.83	
<i>For Stainless Steel Liner, Add</i>	306.59	
<i>For High Temperature Breaching, Add</i>	1,272.36	
<i>For Very High Temperature Breaching, Add</i>	1,931.54	
23 51 16 00-0096 EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,976.69	190.33
<i>For Aluminum Liner, Add</i>	247.57	
<i>For Stainless Steel Liner, Add</i>	337.59	
<i>For High Temperature Breaching, Add</i>	1,397.91	
<i>For Very High Temperature Breaching, Add</i>	2,120.64	
23 51 16 00-0097 EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,267.79	196.46
<i>For Aluminum Liner, Add</i>	262.72	
<i>For Stainless Steel Liner, Add</i>	358.26	
<i>For High Temperature Breaching, Add</i>	1,482.14	
<i>For Very High Temperature Breaching, Add</i>	2,247.76	

23 51 16 00-0098 Vent Top Caps (23 51 16 00-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	49.83	14.23
			<i>For Aluminum Liner, Add</i>	0.78	
			<i>For Stainless Steel Liner, Add</i>	1.07	
			<i>For High Temperature Breaching, Add</i>	7.83	
			<i>For Very High Temperature Breaching, Add</i>	13.53	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	52.21	14.94
			<i>For Aluminum Liner, Add</i>	0.82	
			<i>For Stainless Steel Liner, Add</i>	1.12	
			<i>For High Temperature Breaching, Add</i>	8.22	
			<i>For Very High Temperature Breaching, Add</i>	14.18	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	66.93	16.37
			<i>For Aluminum Liner, Add</i>	1.43	
			<i>For Stainless Steel Liner, Add</i>	1.95	
			<i>For High Temperature Breaching, Add</i>	11.89	
			<i>For Very High Temperature Breaching, Add</i>	19.89	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	71.43	18.21
			<i>For Aluminum Liner, Add</i>	1.43	
			<i>For Stainless Steel Liner, Add</i>	1.95	
			<i>For High Temperature Breaching, Add</i>	12.34	
			<i>For Very High Temperature Breaching, Add</i>	20.79	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	86.40	19.23
			<i>For Aluminum Liner, Add</i>	2.11	
			<i>For Stainless Steel Liner, Add</i>	2.87	
			<i>For High Temperature Breaching, Add</i>	16.30	
			<i>For Very High Temperature Breaching, Add</i>	26.86	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	101.68	20.46
			<i>For Aluminum Liner, Add</i>	2.78	
			<i>For Stainless Steel Liner, Add</i>	3.79	
			<i>For High Temperature Breaching, Add</i>	20.27	
			<i>For Very High Temperature Breaching, Add</i>	32.97	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	235.72	23.33
			<i>For Aluminum Liner, Add</i>	9.75	
			<i>For Stainless Steel Liner, Add</i>	13.30	
			<i>For High Temperature Breaching, Add</i>	59.03	
			<i>For Very High Temperature Breaching, Add</i>	91.47	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	436.84	29.27
			<i>For Aluminum Liner, Add</i>	20.01	
			<i>For Stainless Steel Liner, Add</i>	27.28	
			<i>For High Temperature Breaching, Add</i>	116.44	
			<i>For Very High Temperature Breaching, Add</i>	178.31	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	804.22	35.10
			<i>For Aluminum Liner, Add</i>	39.41	
			<i>For Stainless Steel Liner, Add</i>	53.74	
			<i>For High Temperature Breaching, Add</i>	223.73	
			<i>For Very High Temperature Breaching, Add</i>	339.97	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,335.38	49.12
			<i>For Aluminum Liner, Add</i>	66.69	
			<i>For Stainless Steel Liner, Add</i>	90.94	
			<i>For High Temperature Breaching, Add</i>	376.05	
			<i>For Very High Temperature Breaching, Add</i>	570.22	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,966.43	51.67
			<i>For Aluminum Liner, Add</i>	101.05	
			<i>For Stainless Steel Liner, Add</i>	137.79	
			<i>For High Temperature Breaching, Add</i>	564.09	
			<i>For Very High Temperature Breaching, Add</i>	852.59	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,203.31	54.54
			<i>For Aluminum Liner, Add</i>	113.68	
			<i>For Stainless Steel Liner, Add</i>	155.02	
			<i>For High Temperature Breaching, Add</i>	633.71	
			<i>For Very High Temperature Breaching, Add</i>	957.38	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,486.99	57.81
			<i>For Aluminum Liner, Add</i>	128.84	
			<i>For Stainless Steel Liner, Add</i>	175.68	
			<i>For High Temperature Breaching, Add</i>	717.19	
			<i>For Very High Temperature Breaching, Add</i>	1,083.01	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,633.80	61.39
			<i>For Aluminum Liner, Add</i>	136.41	
			<i>For Stainless Steel Liner, Add</i>	186.02	
			<i>For High Temperature Breaching, Add</i>	759.43	
			<i>For Very High Temperature Breaching, Add</i>	1,146.82	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,781.82	65.49
			<i>For Aluminum Liner, Add</i>	143.99	
			<i>For Stainless Steel Liner, Add</i>	196.35	
			<i>For High Temperature Breaching, Add</i>	801.79	
			<i>For Very High Temperature Breaching, Add</i>	1,210.88	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,977.10	70.19
			<i>For Aluminum Liner, Add</i>	154.10	
			<i>For Stainless Steel Liner, Add</i>	210.13	
			<i>For High Temperature Breaching, Add</i>	858.06	
			<i>For Very High Temperature Breaching, Add</i>	1,295.86	

23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	20.75	7.67
For Aluminum Liner, Add	0.09	
For Stainless Steel Liner, Add	0.12	
For High Temperature Breaching, Add	2.40	
For Very High Temperature Breaching, Add	4.56	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	26.33	9.82
For Aluminum Liner, Add	0.09	
For Stainless Steel Liner, Add	0.13	
For High Temperature Breaching, Add	2.97	
For Very High Temperature Breaching, Add	5.69	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	35.07	13.20
For Aluminum Liner, Add	0.11	
For Stainless Steel Liner, Add	0.15	
For High Temperature Breaching, Add	3.92	
For Very High Temperature Breaching, Add	7.53	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	43.86	16.37
For Aluminum Liner, Add	0.16	
For Stainless Steel Liner, Add	0.22	
For High Temperature Breaching, Add	4.97	
For Very High Temperature Breaching, Add	9.50	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	62.79	22.10
For Aluminum Liner, Add	0.41	
For Stainless Steel Liner, Add	0.56	
For High Temperature Breaching, Add	7.79	
For Very High Temperature Breaching, Add	14.44	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	79.22	27.42
For Aluminum Liner, Add	0.59	
For Stainless Steel Liner, Add	0.80	
For High Temperature Breaching, Add	10.05	
For Very High Temperature Breaching, Add	18.51	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	99.92	32.75
For Aluminum Liner, Add	0.99	
For Stainless Steel Liner, Add	1.35	
For High Temperature Breaching, Add	13.60	
For Very High Temperature Breaching, Add	24.50	
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	129.54	38.88
For Aluminum Liner, Add	1.78	
For Stainless Steel Liner, Add	2.42	
For High Temperature Breaching, Add	19.42	
For Very High Temperature Breaching, Add	33.99	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	172.43	42.97
For Aluminum Liner, Add	3.58	
For Stainless Steel Liner, Add	4.88	
For High Temperature Breaching, Add	30.24	
For Very High Temperature Breaching, Add	50.74	
23 51 16 00-0125 Adjustable Roof Flashing <small>(23 51 16 00-0001)</small>		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	56.00	18.21
For Aluminum Liner, Add	0.58	
For Stainless Steel Liner, Add	0.79	
For High Temperature Breaching, Add	7.71	
For Very High Temperature Breaching, Add	13.84	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	61.78	19.23
For Aluminum Liner, Add	0.75	
For Stainless Steel Liner, Add	1.02	
For High Temperature Breaching, Add	8.90	
For Very High Temperature Breaching, Add	15.76	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	77.32	21.80
For Aluminum Liner, Add	1.25	
For Stainless Steel Liner, Add	1.71	
For High Temperature Breaching, Add	12.29	
For Very High Temperature Breaching, Add	21.16	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	94.07	25.17
For Aluminum Liner, Add	1.71	
For Stainless Steel Liner, Add	2.34	
For High Temperature Breaching, Add	15.64	
For Very High Temperature Breaching, Add	26.60	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	153.68	27.32
For Aluminum Liner, Add	4.70	
For Stainless Steel Liner, Add	6.41	
For High Temperature Breaching, Add	32.45	
For Very High Temperature Breaching, Add	52.09	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	182.78	29.77
For Aluminum Liner, Add	5.96	
For Stainless Steel Liner, Add	8.13	
For High Temperature Breaching, Add	39.96	
For Very High Temperature Breaching, Add	63.66	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	215.06	32.75
For Aluminum Liner, Add	7.33	
For Stainless Steel Liner, Add	9.99	
For High Temperature Breaching, Add	48.15	
For Very High Temperature Breaching, Add	76.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	256.42	36.43
			<i>For Aluminum Liner, Add</i>	9.09	
			<i>For Stainless Steel Liner, Add</i>	12.40	
			<i>For High Temperature Breaching, Add</i>	58.71	
			<i>For Very High Temperature Breaching, Add</i>	92.62	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	387.14	40.93
			<i>For Aluminum Liner, Add</i>	15.66	
			<i>For Stainless Steel Liner, Add</i>	21.36	
			<i>For High Temperature Breaching, Add</i>	95.67	
			<i>For Very High Temperature Breaching, Add</i>	148.62	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	426.71	54.54
			<i>For Aluminum Liner, Add</i>	15.97	
			<i>For Stainless Steel Liner, Add</i>	21.77	
			<i>For High Temperature Breaching, Add</i>	100.73	
			<i>For Very High Temperature Breaching, Add</i>	157.91	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	542.89	70.19
			<i>For Aluminum Liner, Add</i>	20.21	
			<i>For Stainless Steel Liner, Add</i>	27.56	
			<i>For High Temperature Breaching, Add</i>	127.78	
			<i>For Very High Temperature Breaching, Add</i>	200.44	
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	645.58	81.86
			<i>For Aluminum Liner, Add</i>	24.25	
			<i>For Stainless Steel Liner, Add</i>	33.07	
			<i>For High Temperature Breaching, Add</i>	152.74	
			<i>For Very High Temperature Breaching, Add</i>	239.35	
23 51 16 00-0138			Galvanized Storm Collars <small>(23 51 16 00-0001)</small>		
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall	22.17	7.67
			<i>For Aluminum Liner, Add</i>	0.17	
			<i>For Stainless Steel Liner, Add</i>	0.23	
			<i>For High Temperature Breaching, Add</i>	2.83	
			<i>For Very High Temperature Breaching, Add</i>	5.20	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall	28.06	9.82
			<i>For Aluminum Liner, Add</i>	0.19	
			<i>For Stainless Steel Liner, Add</i>	0.26	
			<i>For High Temperature Breaching, Add</i>	3.51	
			<i>For Very High Temperature Breaching, Add</i>	6.49	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall	33.01	11.46
			<i>For Aluminum Liner, Add</i>	0.24	
			<i>For Stainless Steel Liner, Add</i>	0.33	
			<i>For High Temperature Breaching, Add</i>	4.17	
			<i>For Very High Temperature Breaching, Add</i>	7.69	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall	37.98	13.10
			<i>For Aluminum Liner, Add</i>	0.29	
			<i>For Stainless Steel Liner, Add</i>	0.39	
			<i>For High Temperature Breaching, Add</i>	4.84	
			<i>For Very High Temperature Breaching, Add</i>	8.90	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall	47.89	16.37
			<i>For Aluminum Liner, Add</i>	0.38	
			<i>For Stainless Steel Liner, Add</i>	0.52	
			<i>For High Temperature Breaching, Add</i>	6.18	
			<i>For Very High Temperature Breaching, Add</i>	11.32	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall	66.16	22.10
			<i>For Aluminum Liner, Add</i>	0.60	
			<i>For Stainless Steel Liner, Add</i>	0.82	
			<i>For High Temperature Breaching, Add</i>	8.80	
			<i>For Very High Temperature Breaching, Add</i>	15.96	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall	81.66	27.42
			<i>For Aluminum Liner, Add</i>	0.72	
			<i>For Stainless Steel Liner, Add</i>	0.98	
			<i>For High Temperature Breaching, Add</i>	10.79	
			<i>For Very High Temperature Breaching, Add</i>	19.61	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall	104.10	32.75
			<i>For Aluminum Liner, Add</i>	1.22	
			<i>For Stainless Steel Liner, Add</i>	1.67	
			<i>For High Temperature Breaching, Add</i>	14.86	
			<i>For Very High Temperature Breaching, Add</i>	26.38	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall	137.46	38.88
			<i>For Aluminum Liner, Add</i>	2.21	
			<i>For Stainless Steel Liner, Add</i>	3.02	
			<i>For High Temperature Breaching, Add</i>	21.80	
			<i>For Very High Temperature Breaching, Add</i>	37.55	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall	192.23	42.97
			<i>For Aluminum Liner, Add</i>	4.66	
			<i>For Stainless Steel Liner, Add</i>	6.36	
			<i>For High Temperature Breaching, Add</i>	36.18	
			<i>For Very High Temperature Breaching, Add</i>	59.65	
23 51 16 00-0149			Oval Galvanized Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
23 51 16 00-0150			Oval Galvanized Double Wall Flue/Vent Pipe <small>(23 51 16 00-0149)</small>		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	37.23	9.62
			<i>For High Temperature Breaching, Add</i>	6.36	
			<i>For Very High Temperature Breaching, Add</i>	10.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	41.03 7.23 12.12	10.24
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	45.45 8.17 13.63	10.95
23 51 16 00-0154 45 Degree Elbows <small>(23 51 16 00-0149)</small>		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	81.47 14.46 24.18	19.95
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	95.07 16.86 28.20	23.33
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	113.13 20.74 34.40	26.40
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	83.05 14.93 24.90	19.95
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	98.91 18.01 29.93	23.33
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	115.61 21.48 35.52	26.40
23 51 16 00-0161 Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	135.98 25.64 42.24	30.28
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	138.46 26.38 43.36	30.28
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	159.12 30.34 49.86	34.79
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	181.98 35.10 57.53	38.98
23 51 16 00-0166 Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	51.93 10.65 17.21	9.82
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	80.91 17.67 28.16	13.20
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	42.23 7.74 12.84	9.82
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	71.78 14.93 24.05	13.20
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	28.06 3.51 6.49	9.82
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	33.01 4.17 7.69	11.46
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall..... <i>For High Temperature Breaching, Add</i> <i>For Very High Temperature Breaching, Add</i>	37.98 4.84 8.90	13.10
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	85.35 9.28 5.80 11.60	10.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	102.34	12.59
			<i>For 316 Stainless Steel, Add</i>	11.33	
			<i>For 2" Instead Of 1" Thickness, Add</i>	7.08	
			<i>For 3" Instead Of 1" Thickness, Add</i>	14.16	
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	113.42	13.61
			<i>For 316 Stainless Steel, Add</i>	12.70	
			<i>For 2" Instead Of 1" Thickness, Add</i>	7.94	
			<i>For 3" Instead Of 1" Thickness, Add</i>	15.87	
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	127.65	14.84
			<i>For 316 Stainless Steel, Add</i>	14.47	
			<i>For 2" Instead Of 1" Thickness, Add</i>	9.05	
			<i>For 3" Instead Of 1" Thickness, Add</i>	18.09	
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	143.09	15.55
			<i>For 316 Stainless Steel, Add</i>	16.66	
			<i>For 2" Instead Of 1" Thickness, Add</i>	10.41	
			<i>For 3" Instead Of 1" Thickness, Add</i>	20.82	
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	151.08	16.37
			<i>For 316 Stainless Steel, Add</i>	17.61	
			<i>For 2" Instead Of 1" Thickness, Add</i>	11.01	
			<i>For 3" Instead Of 1" Thickness, Add</i>	22.02	
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	166.86	17.29
			<i>For 316 Stainless Steel, Add</i>	19.80	
			<i>For 2" Instead Of 1" Thickness, Add</i>	12.37	
			<i>For 3" Instead Of 1" Thickness, Add</i>	24.75	
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	209.90	27.32
			<i>For 316 Stainless Steel, Add</i>	22.66	
			<i>For 2" Instead Of 1" Thickness, Add</i>	14.17	
			<i>For 3" Instead Of 1" Thickness, Add</i>	28.33	
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.38	30.70
			<i>For 316 Stainless Steel, Add</i>	29.22	
			<i>For 2" Instead Of 1" Thickness, Add</i>	18.26	
			<i>For 3" Instead Of 1" Thickness, Add</i>	36.52	
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	291.73	32.75
			<i>For 316 Stainless Steel, Add</i>	33.59	
			<i>For 2" Instead Of 1" Thickness, Add</i>	20.99	
			<i>For 3" Instead Of 1" Thickness, Add</i>	41.98	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	326.37	36.33
			<i>For 316 Stainless Steel, Add</i>	37.68	
			<i>For 2" Instead Of 1" Thickness, Add</i>	23.55	
			<i>For 3" Instead Of 1" Thickness, Add</i>	47.10	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	362.63	39.29
			<i>For 316 Stainless Steel, Add</i>	42.32	
			<i>For 2" Instead Of 1" Thickness, Add</i>	26.45	
			<i>For 3" Instead Of 1" Thickness, Add</i>	52.90	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	413.95	44.71
			<i>For 316 Stainless Steel, Add</i>	48.33	
			<i>For 2" Instead Of 1" Thickness, Add</i>	30.21	
			<i>For 3" Instead Of 1" Thickness, Add</i>	60.41	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	484.42	51.77
			<i>For 316 Stainless Steel, Add</i>	56.80	
			<i>For 2" Instead Of 1" Thickness, Add</i>	35.50	
			<i>For 3" Instead Of 1" Thickness, Add</i>	71.00	
23 51 16 00-0191			90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.89	22.61
			<i>For 316 Stainless Steel, Add</i>	65.88	
			<i>For 2" Instead Of 1" Thickness, Add</i>	32.94	
			<i>For 3" Instead Of 1" Thickness, Add</i>	65.88	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	426.43	25.17
			<i>For 316 Stainless Steel, Add</i>	72.70	
			<i>For 2" Instead Of 1" Thickness, Add</i>	36.35	
			<i>For 3" Instead Of 1" Thickness, Add</i>	72.70	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	484.69	27.32
			<i>For 316 Stainless Steel, Add</i>	83.28	
			<i>For 2" Instead Of 1" Thickness, Add</i>	41.64	
			<i>For 3" Instead Of 1" Thickness, Add</i>	83.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0195 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	547.12	29.77
<i>For 316 Stainless Steel, Add</i>	94.55	
<i>For 2" Instead Of 1" Thickness, Add</i>	47.27	
<i>For 3" Instead Of 1" Thickness, Add</i>	94.55	
23 51 16 00-0196 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	632.63	31.21
<i>For 316 Stainless Steel, Add</i>	110.93	
<i>For 2" Instead Of 1" Thickness, Add</i>	55.47	
<i>For 3" Instead Of 1" Thickness, Add</i>	110.93	
23 51 16 00-0197 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	696.23	32.75
<i>For 316 Stainless Steel, Add</i>	122.88	
<i>For 2" Instead Of 1" Thickness, Add</i>	61.44	
<i>For 3" Instead Of 1" Thickness, Add</i>	122.88	
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.93	34.49
<i>For 316 Stainless Steel, Add</i>	143.36	
<i>For 2" Instead Of 1" Thickness, Add</i>	71.68	
<i>For 3" Instead Of 1" Thickness, Add</i>	143.36	
23 51 16 00-0199 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	938.55	54.54
<i>For 316 Stainless Steel, Add</i>	160.42	
<i>For 2" Instead Of 1" Thickness, Add</i>	80.21	
<i>For 3" Instead Of 1" Thickness, Add</i>	160.42	
23 51 16 00-0200 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,151.85	61.39
<i>For 316 Stainless Steel, Add</i>	199.67	
<i>For 2" Instead Of 1" Thickness, Add</i>	99.84	
<i>For 3" Instead Of 1" Thickness, Add</i>	199.67	
23 51 16 00-0201 EA 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,392.48	65.49
<i>For 316 Stainless Steel, Add</i>	245.75	
<i>For 2" Instead Of 1" Thickness, Add</i>	122.88	
<i>For 3" Instead Of 1" Thickness, Add</i>	245.75	
23 51 16 00-0202 EA 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,830.75	70.09
<i>For 316 Stainless Steel, Add</i>	331.08	
<i>For 2" Instead Of 1" Thickness, Add</i>	165.54	
<i>For 3" Instead Of 1" Thickness, Add</i>	331.08	
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,081.92	81.86
<i>For 316 Stainless Steel, Add</i>	375.45	
<i>For 2" Instead Of 1" Thickness, Add</i>	187.73	
<i>For 3" Instead Of 1" Thickness, Add</i>	375.45	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,039.11	89.33
<i>For 316 Stainless Steel, Add</i>	563.18	
<i>For 2" Instead Of 1" Thickness, Add</i>	281.59	
<i>For 3" Instead Of 1" Thickness, Add</i>	563.18	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,786.80	98.23
<i>For 316 Stainless Steel, Add</i>	708.24	
<i>For 2" Instead Of 1" Thickness, Add</i>	354.12	
<i>For 3" Instead Of 1" Thickness, Add</i>	708.24	
23 51 16 00-0206 45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	261.04	21.80
<i>For 316 Stainless Steel, Add</i>	41.30	
<i>For 2" Instead Of 1" Thickness, Add</i>	20.65	
<i>For 3" Instead Of 1" Thickness, Add</i>	41.30	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	298.43	25.17
<i>For 316 Stainless Steel, Add</i>	47.10	
<i>For 2" Instead Of 1" Thickness, Add</i>	23.55	
<i>For 3" Instead Of 1" Thickness, Add</i>	47.10	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	331.08	27.32
<i>For 316 Stainless Steel, Add</i>	52.56	
<i>For 2" Instead Of 1" Thickness, Add</i>	26.28	
<i>For 3" Instead Of 1" Thickness, Add</i>	52.56	
23 51 16 00-0210 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.47	29.77
<i>For 316 Stainless Steel, Add</i>	60.41	
<i>For 2" Instead Of 1" Thickness, Add</i>	30.21	
<i>For 3" Instead Of 1" Thickness, Add</i>	60.41	
23 51 16 00-0211 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	422.72	31.21
<i>For 316 Stainless Steel, Add</i>	68.95	
<i>For 2" Instead Of 1" Thickness, Add</i>	34.47	
<i>For 3" Instead Of 1" Thickness, Add</i>	68.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	472.66	32.75
			<i>For 316 Stainless Steel, Add</i>	78.16	
			<i>For 2" Instead Of 1" Thickness, Add</i>	39.08	
			<i>For 3" Instead Of 1" Thickness, Add</i>	78.16	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	528.16	34.49
			<i>For 316 Stainless Steel, Add</i>	88.40	
			<i>For 2" Instead Of 1" Thickness, Add</i>	44.20	
			<i>For 3" Instead Of 1" Thickness, Add</i>	88.40	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	641.61	54.54
			<i>For 316 Stainless Steel, Add</i>	101.03	
			<i>For 2" Instead Of 1" Thickness, Add</i>	50.52	
			<i>For 3" Instead Of 1" Thickness, Add</i>	101.03	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.00	61.39
			<i>For 316 Stainless Steel, Add</i>	129.70	
			<i>For 2" Instead Of 1" Thickness, Add</i>	64.85	
			<i>For 3" Instead Of 1" Thickness, Add</i>	129.70	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	897.56	65.49
			<i>For 316 Stainless Steel, Add</i>	146.77	
			<i>For 2" Instead Of 1" Thickness, Add</i>	73.38	
			<i>For 3" Instead Of 1" Thickness, Add</i>	146.77	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,156.64	70.09
			<i>For 316 Stainless Steel, Add</i>	196.26	
			<i>For 2" Instead Of 1" Thickness, Add</i>	98.13	
			<i>For 3" Instead Of 1" Thickness, Add</i>	196.26	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,527.27	81.86
			<i>For 316 Stainless Steel, Add</i>	264.52	
			<i>For 2" Instead Of 1" Thickness, Add</i>	132.26	
			<i>For 3" Instead Of 1" Thickness, Add</i>	264.52	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,015.14	89.33
			<i>For 316 Stainless Steel, Add</i>	358.39	
			<i>For 2" Instead Of 1" Thickness, Add</i>	179.19	
			<i>For 3" Instead Of 1" Thickness, Add</i>	358.39	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,677.52	98.23
			<i>For 316 Stainless Steel, Add</i>	486.38	
			<i>For 2" Instead Of 1" Thickness, Add</i>	243.19	
			<i>For 3" Instead Of 1" Thickness, Add</i>	486.38	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	285.02	27.32
			<i>For 316 Stainless Steel, Add</i>	47.68	
			<i>For Tee Cap, Add</i>	67.25	
			<i>For 2" Instead Of 1" Thickness, Add</i>	21.67	
			<i>For 3" Instead Of 1" Thickness, Add</i>	43.35	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	323.56	29.77
			<i>For 316 Stainless Steel, Add</i>	54.82	
			<i>For Tee Cap, Add</i>	75.87	
			<i>For 2" Instead Of 1" Thickness, Add</i>	24.92	
			<i>For 3" Instead Of 1" Thickness, Add</i>	49.83	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	369.78	31.21
			<i>For 316 Stainless Steel, Add</i>	64.20	
			<i>For Tee Cap, Add</i>	85.65	
			<i>For 2" Instead Of 1" Thickness, Add</i>	29.18	
			<i>For 3" Instead Of 1" Thickness, Add</i>	58.37	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	423.16	32.75
			<i>For 316 Stainless Steel, Add</i>	75.09	
			<i>For Tee Cap, Add</i>	96.91	
			<i>For 2" Instead Of 1" Thickness, Add</i>	34.13	
			<i>For 3" Instead Of 1" Thickness, Add</i>	68.26	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	493.71	36.43
			<i>For 316 Stainless Steel, Add</i>	88.61	
			<i>For Tee Cap, Add</i>	112.38	
			<i>For 2" Instead Of 1" Thickness, Add</i>	40.28	
			<i>For 3" Instead Of 1" Thickness, Add</i>	80.55	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	554.51	40.93
			<i>For 316 Stainless Steel, Add</i>	99.50	
			<i>For Tee Cap, Add</i>	126.24	
			<i>For 2" Instead Of 1" Thickness, Add</i>	45.23	
			<i>For 3" Instead Of 1" Thickness, Add</i>	90.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	645.90	46.76
For 316 Stainless Steel, Add	116.39	
For Tee Cap, Add	146.71	
For 2" Instead Of 1" Thickness, Add	52.91	
For 3" Instead Of 1" Thickness, Add	105.81	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	741.77	57.81
For 316 Stainless Steel, Add	131.41	
For Tee Cap, Add	170.02	
For 2" Instead Of 1" Thickness, Add	59.73	
For 3" Instead Of 1" Thickness, Add	119.46	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	947.03	81.86
For 316 Stainless Steel, Add	163.32	
For Tee Cap, Add	220.10	
For 2" Instead Of 1" Thickness, Add	74.24	
For 3" Instead Of 1" Thickness, Add	148.48	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,144.77	89.33
For 316 Stainless Steel, Add	202.75	
For Tee Cap, Add	262.43	
For 2" Instead Of 1" Thickness, Add	92.16	
For 3" Instead Of 1" Thickness, Add	184.31	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,508.47	98.23
For 316 Stainless Steel, Add	277.84	
For Tee Cap, Add	338.53	
For 2" Instead Of 1" Thickness, Add	126.29	
For 3" Instead Of 1" Thickness, Add	252.58	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,680.96	109.18
For 316 Stainless Steel, Add	309.75	
For Tee Cap, Add	377.14	
For 2" Instead Of 1" Thickness, Add	140.80	
For 3" Instead Of 1" Thickness, Add	281.59	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,670.56	163.72
For 316 Stainless Steel, Add	497.48	
For Tee Cap, Add	595.51	
For 2" Instead Of 1" Thickness, Add	226.13	
For 3" Instead Of 1" Thickness, Add	452.25	
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,349.76	196.46
For 316 Stainless Steel, Add	628.89	
For Tee Cap, Add	743.63	
For 2" Instead Of 1" Thickness, Add	285.86	
For 3" Instead Of 1" Thickness, Add	571.71	
23 51 16 00-0236 Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	522.15	21.80
For 2" Instead Of 1" Thickness, Add	46.76	
For 3" Instead Of 1" Thickness, Add	93.52	
23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	569.78	25.17
For 2" Instead Of 1" Thickness, Add	50.69	
For 3" Instead Of 1" Thickness, Add	101.37	
23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	622.93	27.32
For 2" Instead Of 1" Thickness, Add	55.47	
For 3" Instead Of 1" Thickness, Add	110.93	
23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	688.77	29.77
For 2" Instead Of 1" Thickness, Add	61.44	
For 3" Instead Of 1" Thickness, Add	122.88	
23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	769.16	31.21
For 2" Instead Of 1" Thickness, Add	69.12	
For 3" Instead Of 1" Thickness, Add	138.24	
23 51 16 00-0242 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	849.82	32.75
For 2" Instead Of 1" Thickness, Add	76.80	
For 3" Instead Of 1" Thickness, Add	153.59	
23 51 16 00-0243 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	947.99	34.49
For 2" Instead Of 1" Thickness, Add	86.18	
For 3" Instead Of 1" Thickness, Add	172.37	
23 51 16 00-0244 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,109.19	54.54
For 2" Instead Of 1" Thickness, Add	97.28	
For 3" Instead Of 1" Thickness, Add	194.55	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0245 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,365.19	61.39
For 2" Instead Of 1" Thickness, Add	121.17	
For 3" Instead Of 1" Thickness, Add	242.34	
23 51 16 00-0246 EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,529.03	65.49
For 2" Instead Of 1" Thickness, Add	136.53	
For 3" Instead Of 1" Thickness, Add	273.06	
23 51 16 00-0247 EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,745.53	70.19
For 2" Instead Of 1" Thickness, Add	157.01	
For 3" Instead Of 1" Thickness, Add	314.02	
23 51 16 00-0248 EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,996.60	81.86
For 2" Instead Of 1" Thickness, Add	179.19	
For 3" Instead Of 1" Thickness, Add	358.39	
23 51 16 00-0249 EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,527.14	89.33
For 2" Instead Of 1" Thickness, Add	230.39	
For 3" Instead Of 1" Thickness, Add	460.78	
23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,061.51	98.23
For 2" Instead Of 1" Thickness, Add	281.59	
For 3" Instead Of 1" Thickness, Add	563.18	
23 51 16 00-0251 Ventilated Roof Thimbles (23 51 16 00-0175)		
23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	353.08	25.17
For 316 Stainless Steel, Add	29.01	
23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.00	29.77
For 316 Stainless Steel, Add	31.06	
23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	421.45	32.75
For 316 Stainless Steel, Add	33.96	
23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	456.23	36.43
For 316 Stainless Steel, Add	36.52	
23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	575.89	38.58
For 316 Stainless Steel, Add	47.96	
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	518.72	40.93
For 316 Stainless Steel, Add	41.64	
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.03	43.70
For 316 Stainless Steel, Add	44.88	
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	634.76	61.39
For 316 Stainless Steel, Add	48.13	
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	712.80	70.09
For 316 Stainless Steel, Add	53.76	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	811.70	75.51
For 316 Stainless Steel, Add	62.29	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	904.23	81.75
For 316 Stainless Steel, Add	69.97	
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,013.40	98.13
For 316 Stainless Steel, Add	76.80	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,288.18	109.07
For 316 Stainless Steel, Add	101.54	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,586.73	122.69
For 316 Stainless Steel, Add	128.00	
23 51 16 00-0266 Exit Cones (23 51 16 00-0175)		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	242.13	14.23
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	255.73	15.55
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	274.73	16.37
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	287.13	17.19
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	315.58	17.71
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	344.05	18.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	415.36	18.72
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	526.32	35.10
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	657.61	37.76
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	780.88	39.29
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	955.65	40.93
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,084.44	44.71
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,362.81	46.76
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,735.56	49.12
23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	264.23	14.23
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	305.22	15.55
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	353.20	16.37
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	404.85	17.19
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	470.84	17.71
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	533.55	18.21
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	592.88	18.72
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	719.08	35.10
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	853.87	37.76
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	925.89	39.29
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,049.45	40.93
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,220.85	44.61
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,482.20	46.76
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,718.41	49.12
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	401.61	26.19
<i>For 316 Stainless Steel, Add</i>	67.24	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	444.90	31.21
<i>For 316 Stainless Steel, Add</i>	73.38	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.86	34.49
<i>For 316 Stainless Steel, Add</i>	80.55	
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	522.89	38.47
<i>For 316 Stainless Steel, Add</i>	85.33	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	581.88	40.93
<i>For 316 Stainless Steel, Add</i>	95.91	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	617.73	43.70
<i>For 316 Stainless Steel, Add</i>	101.71	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	663.17	46.86
<i>For 316 Stainless Steel, Add</i>	109.22	
23 51 16 00-0304 EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	743.97	65.49
<i>For 316 Stainless Steel, Add</i>	116.05	
23 51 16 00-0305 EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	837.44	75.62
<i>For 316 Stainless Steel, Add</i>	129.70	
23 51 16 00-0306 EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	964.09	81.86
<i>For 316 Stainless Steel, Add</i>	151.89	
23 51 16 00-0307 EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,144.79	89.33
<i>For 316 Stainless Steel, Add</i>	184.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,331.11 211.62	109.18
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,962.36 331.08	122.79
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,396.92 409.59	139.57
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0311)</small> Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	75.12 4.78 9.56	10.95
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	90.69 6.14 12.29	11.66
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	103.20 7.17 14.34	12.59
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	138.11 10.41 20.82	13.61
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	177.18 13.99 27.99	14.94
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	223.38 18.43 36.86	15.66
23 51 16 00-0319			90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	161.24 10.67 21.33	21.80
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	177.88 11.95 23.89	23.33
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	199.49 13.65 27.31	25.17
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	245.74 17.75 35.50	27.32
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	291.14 21.67 43.35	29.77
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	337.32 25.94 51.88	31.21
23 51 16 00-0326			45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	134.59 8.00 16.00	21.80
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	148.02 8.96 17.92	23.33
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	165.37 10.24 20.48	25.17
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	201.37 13.31 26.62	27.32
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	236.93 16.26 32.51	29.77
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	272.52 19.46 38.91	31.21
23 51 16 00-0333			Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	255.91 20.14 40.28	21.80
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe..... <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	321.25 26.28 52.56	23.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	359.88 29.70 59.39	25.17
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	486.30 41.81 83.62	27.32
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	663.14 58.88 117.76	29.77
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Instead Of 1" Thickness, Add</i> <i>For 3" Instead Of 1" Thickness, Add</i>	845.87 76.80 153.59	31.21
23 51 16 00-0340 Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	115.99	21.80
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	124.99	23.33
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	144.85	25.17
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	178.37	27.32
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	211.77	29.77
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	248.58	31.21
23 51 16 00-0347 Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	135.60	21.80
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	150.58	23.33
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	163.61	25.17
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	197.11	27.32
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	240.85	29.77
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	286.10	31.11
23 51 16 00-0354 Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	122.81	21.80
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	151.43	23.33
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	187.50	25.17
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	291.87	27.32
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	393.58	29.77
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	497.77	31.21
23 51 16 00-0361 Roof Support Assemblies <small>(23 51 16 00-0311)</small>		
23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	176.48	21.80
23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	195.80	23.33
23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	212.24	25.17
23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	264.46	27.32
23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	311.62	29.77
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	378.31	31.21
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories <small>(23 51 16)</small>		
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination <small>(23 51 16 00-0368)</small>		
23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination	157.02	41.69
23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination	167.55	41.69
23 52 Heating Boilers <small>(23 50)</small>		
23 52 13 Electric Boilers <small>(23 52)</small>		
23 52 13 00-0001 Packaged Electric Steam Boiler <small>(23 52 13)</small>		
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.		
23 52 13 00-0002 EA 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	11,112.36	597.93
23 52 13 00-0003 EA 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	12,062.92	697.58
23 52 13 00-0004 EA 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	13,214.32	747.42
23 52 13 00-0005 EA 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	14,876.58	797.24
23 52 13 00-0006 EA 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	16,493.75	847.07
23 52 13 00-0007 EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	19,397.56	946.73
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	22,301.37	1,046.38
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	22,971.99	1,096.21
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	23,627.57	1,146.03
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	31,790.13	1,245.69
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	33,242.03	1,295.52
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	34,629.06	1,312.91
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	36,175.81	1,410.16
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	39,195.01	1,507.41
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	42,371.58	1,653.28
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	44,722.58	1,701.91
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	47,073.58	1,750.54

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	48,673.33	1,799.17
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	50,273.09	1,847.80
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	53,773.09	1,945.05
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	57,273.09	2,042.30
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	60,675.84	2,090.92
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	68,285.60	2,139.55
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	73,438.36	2,236.80
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	75,285.61	2,334.05
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	83,991.36	2,479.94
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	86,386.62	2,625.81
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	88,781.88	2,771.69
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	95,384.14	2,917.56
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	98,283.14	3,014.81
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	102,278.14	3,209.33
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	105,972.66	3,403.83
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	116,879.17	3,598.33
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	123,578.67	3,792.84

23 52 13 00-0036**Packaged Electric Hot Water Boiler** (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	9,359.96	548.10
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	10,060.61	597.93
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	10,761.26	647.75
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	11,356.75	697.58
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	11,967.24	747.42
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	12,562.73	797.24
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	13,263.38	847.07
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	14,264.54	896.90
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	14,860.02	946.73
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	15,440.48	996.55
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	16,441.63	1,046.38
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	17,292.53	1,096.21
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	18,669.32	1,146.03
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	19,369.97	1,195.86
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	20,145.76	1,245.69
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	22,228.71	1,295.52
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	24,261.81	1,312.91
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	26,439.61	1,410.16
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	28,632.43	1,507.41
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	30,907.50	1,653.28
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	33,100.33	1,750.54
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	34,872.47	1,847.80
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	36,547.34	1,896.42
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	38,958.44	1,945.05
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	41,346.59	2,042.30
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	43,750.59	2,042.30
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	48,054.84	2,090.92
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	50,480.98	2,139.55
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	53,004.36	2,236.80
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	55,430.48	2,285.42
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	57,856.61	2,334.05
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	59,650.86	2,479.94
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	62,947.62	2,625.81
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	74,357.88	2,771.69
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	81,861.64	2,917.56
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	85,662.14	3,014.81
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	89,807.39	3,209.33
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	93,952.66	3,403.83
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	105,159.67	3,598.33
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	112,159.67	3,792.84
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	115,208.92	3,890.09
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	118,258.19	3,987.34
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	118,549.94	4,133.22
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	135,271.94	4,230.47
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	144,578.70	4,376.35
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	162,591.22	4,668.11
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	175,583.69	5,154.37
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	194,780.76	5,737.88
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	203,460.28	6,321.39

23 52 16 Condensing Boilers (23 52)**23 52 16 13 Stainless-Steel Condensing Boilers** (23 52 16)**23 52 16 13-0001****Hamilton Evo Series Stainless Steel Condensing Boilers** (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	10,043.81	398.62
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	9,530.37	526.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0004 EA 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	10,185.71	591.95
23 52 16 13-0005 EA 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	10,895.16	657.72
23 52 16 13-0006 EA 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	13,976.98	657.72
23 52 16 13-0007 EA 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	16,374.20	797.24
23 52 16 13-0008 EA 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	21,816.26	855.04
23 52 16 13-0009 EA 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	30,440.62	1,052.35
23 52 16 13-0010 EA 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	37,128.48	1,151.02
Note: Includes vent manifold.		
23 52 16 13-0011 EA 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	53,379.56	1,348.34
23 52 16 13-0012 EA 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	58,796.48	1,446.99
23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014 EA 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	27,402.86	855.04
23 52 16 13-0015 EA 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	28,554.82	855.04
23 52 16 13-0016 EA 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	32,051.83	1,052.35
23 52 16 13-0017 EA 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	34,754.35	1,183.90
23 52 16 13-0018 EA 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	38,537.53	1,249.67
23 52 16 13-0019 EA 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	44,084.30	1,348.34
23 52 16 13-0020 EA 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	52,574.94	1,446.99
23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)		
Note: Includes Riello burners.		
23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	55,535.59	1,578.54
23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	64,193.58	1,644.31
23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	74,287.72	1,742.97
23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0026 EA 165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	6,671.90	591.95
23 52 16 13-0027 EA 226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	8,586.10	657.72
23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0029 EA 324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	11,205.96	789.27
23 52 16 13-0030 EA 406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	13,737.70	797.24
23 52 16 13-0031 EA 493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	16,057.67	855.04
23 52 16 13-0032 EA 574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	18,270.88	855.04
23 52 16 13-0033 EA 654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	21,000.01	953.70
23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0035 EA 941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	28,593.01	1,151.02
23 52 16 13-0036 EA 1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	32,494.29	1,249.67
23 52 16 13-0037 EA 1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	34,905.04	1,348.34
23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0039 EA 1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	34,515.73	1,249.67
23 52 16 13-0040 EA 1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	41,208.20	1,381.22
23 52 16 13-0041 EA 2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	53,454.09	1,512.76
23 52 16 13-0042 EA 2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	58,836.61	1,592.49
23 52 16 13-0043 EA 3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	69,573.19	1,592.49
23 52 16 13-0044 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)		
Note: Compliant with SCAQMD.		
23 52 16 13-0045 EA 80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	6,123.07	394.63
23 52 16 13-0046 EA 105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	6,907.39	427.52
23 52 16 13-0047 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	7,987.25	591.95
23 52 16 13-0048 EA 210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	8,894.36	657.72
23 52 16 13-0049 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	11,133.42	657.72
23 52 16 13-0050 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	14,003.54	789.27
23 52 16 13-0051 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	17,895.37	855.04
23 52 16 13-0052 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	19,029.10	855.04
23 52 16 13-0053 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	20,768.64	986.59
23 52 16 13-0054 EA 850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	22,473.47	1,118.13
23 52 16 13-0055 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	31,990.83	1,183.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0056 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	42,408.49	1,381.22
23 52 16 13-0057 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150).....	8,533.08	591.95
23 52 16 13-0058 EA 199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199).....	10,032.29	657.72
23 52 16 13-0059 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285).....	12,618.43	657.72
23 52 16 13-0060 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399).....	15,376.01	789.27
23 52 16 13-0061 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500).....	19,113.24	855.04
23 52 16 13-0062 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600).....	19,744.26	855.04
23 52 16 13-0063 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750).....	21,846.63	986.59
23 52 16 13-0064 EA 800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800).....	23,437.34	1,052.35
23 52 16 13-0065 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000).....	31,990.83	1,183.90
23 52 16 13-0066 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700).....	42,408.49	1,381.22
23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0068 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	31,788.43	1,348.34
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0069 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	37,581.24	1,446.99
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0070 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	53,502.43	1,592.49
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0071 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	56,914.54	1,592.49
Note: Includes gas PRV and pump delay relay.		
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	4,989.06	398.62
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,434.08	427.52
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,392.83	591.95
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	7,167.74	657.72
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	9,093.85	789.27
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	14,012.98	657.72
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	15,972.32	797.24
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	18,152.01	996.55
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	26,666.60	1,118.13
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	27,867.12	1,183.90
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	42,913.57	1,348.34
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	46,461.23	1,446.99
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	53,721.14	1,578.54
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	66,186.94	1,578.54
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	80,847.42	1,742.97
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	6,011.03	398.62
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	6,881.22	427.52
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	7,948.15	526.18
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	8,908.67	657.72
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	305.55	99.65
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	393.86	99.65
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	818.81	99.65
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	8,204.92	657.72
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	10,189.24	789.27
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)	19,684.34	937.25
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2).....	18,439.03	937.25
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2).....	23,304.17	953.70
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2).....	22,058.87	953.70
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3).....	27,099.46	1,118.13
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3).....	32,653.79	1,183.90
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4).....	33,582.86	1,249.67
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4).....	34,081.61	1,249.67
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4).....	40,722.89	1,249.67
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4).....	41,221.64	1,249.67
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	555.35	99.65
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers <small>(23 52 16 16)</small>		
Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	15,790.96	657.72
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120).....	17,584.73	797.24
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	20,791.92	855.04
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	23,957.97	953.70
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	28,659.96	1,052.35
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	31,646.82	1,151.02
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	483.63	49.83
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	240.44	49.83
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	339.00	49.83
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	705.07	49.83
23 52 16 19 Copper Water-Tube Condensing Boilers <small>(23 52 16)</small>		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers <small>(23 52 16 19)</small>		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	32,481.74	1,249.67
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	36,604.82	1,381.22
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	40,011.83	1,446.99
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	43,344.31	1,578.54
23 52 16 23 Cast Iron Condensing Boilers <small>(23 52 16)</small>		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers <small>(23 52 16 23)</small>		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	11,200.73	657.72
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	16,149.01	797.24
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	26,048.15	855.04
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	34,432.88	1,183.90
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	45,743.44	1,381.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	49,849.81	1,446.99
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	63,233.77	1,578.54
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	68,925.57	1,578.54
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)		
Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 208 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler.....	13,730.23	2,804.33
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler.....	14,964.00	2,991.29
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler.....	16,310.33	3,178.24
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler.....	17,565.37	3,365.20
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler.....	18,727.72	3,552.15
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler.....	20,302.96	3,739.11
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler.....	21,530.18	3,926.07
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler.....	22,513.41	4,113.02
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1069 MBH Water Gas Fired Cast Iron Boiler.....	23,493.15	4,299.97
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Cast Iron Boiler.....	24,617.81	4,486.94
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0014 EA 208 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler.....	9,273.53	389.01
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler.....	10,288.88	389.01
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler.....	11,807.70	486.26
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler.....	12,843.00	486.26
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler.....	14,178.05	583.51
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler.....	15,547.25	583.51
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler.....	16,945.31	680.77
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler.....	18,099.78	778.02
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1069 MBH Water Gas Fired Package Cast Iron Boiler.....	18,863.13	778.02
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler.....	20,157.23	875.27
Note: Weil-McLain Model 80. Fire tested factory assembled package unit.		
23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler.....	14,323.48	2,804.33
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	15,663.30	2,991.29
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	16,945.58	3,178.24
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	18,372.82	3,365.20
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	19,557.22	3,552.15
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	21,266.86	3,739.11
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler.....	22,357.58	3,926.07
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler.....	23,419.56	4,113.02
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler.....	24,400.35	4,299.97
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler.....	25,553.36	4,486.94
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0036 EA 208 MBH Steam, 242 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	9,866.78	389.01
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	10,988.18	389.01
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	12,442.95	486.26
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	13,650.45	486.26
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	15,007.55	583.51
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	16,511.15	583.51
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	17,772.71	680.77
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,005.93	778.02
23 52 23 00-0044 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,770.33	778.02
23 52 23 00-0045 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Package CI Boiler Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	21,092.78	875.27
23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 608 MBH Steam, 704 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	22,042.78	4,206.50
23 52 23 00-0049 EA 813 MBH Steam, 943 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,267.37	4,463.57
23 52 23 00-0050 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	27,006.54	4,720.63
23 52 23 00-0051 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,427.14	4,977.70
23 52 23 00-0052 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	31,539.79	5,234.75
23 52 23 00-0053 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	34,574.17	5,491.81
23 52 23 00-0054 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	36,706.03	5,748.88
23 52 23 00-0055 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	38,599.10	6,005.94
23 52 23 00-0056 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,106.05	6,263.01
23 52 23 00-0057 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	43,134.32	6,520.07
23 52 23 00-0058 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	46,594.37	6,777.14
23 52 23 00-0059 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	48,527.21	7,034.20
23 52 23 00-0060 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	50,573.51	7,291.26
23 52 23 00-0061 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	52,846.83	7,548.33
23 52 23 00-0062 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	54,707.65	7,805.39
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0064 EA 608 MBH Steam, 704 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	16,960.01	680.77
23 52 23 00-0065 EA 813 MBH Steam, 943 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	19,239.03	778.02
23 52 23 00-0066 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	22,045.13	875.27
23 52 23 00-0067 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	24,509.99	972.52
23 52 23 00-0068 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	26,286.59	972.52
23 52 23 00-0069 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	29,378.28	1,069.78
23 52 23 00-0070 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	31,176.93	1,069.78
23 52 23 00-0071 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	33,124.16	1,167.03
23 52 23 00-0072 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	35,298.71	1,167.03
23 52 23 00-0073 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	37,381.39	1,264.28
23 52 23 00-0074 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	39,399.99	1,361.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0075 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	41,000.19	1,361.53
23 52 23 00-0076 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	43,101.74	1,458.78
23 52 23 00-0077 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	45,041.09	1,458.78
23 52 23 00-0078 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	46,978.80	1,556.03
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	22,773.58	4,206.50
23 52 23 00-0081 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,993.97	4,463.57
23 52 23 00-0082 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	27,922.14	4,720.63
23 52 23 00-0083 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	30,435.14	4,977.70
23 52 23 00-0084 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	32,444.89	5,234.75
23 52 23 00-0085 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,422.57	5,491.81
23 52 23 00-0086 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	37,979.68	5,748.88
23 52 23 00-0087 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	39,872.75	6,005.94
23 52 23 00-0088 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	42,354.50	6,263.01
23 52 23 00-0089 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	44,919.32	6,520.07
23 52 23 00-0090 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	48,469.67	6,777.14
23 52 23 00-0091 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,033.56	7,034.20
23 52 23 00-0092 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	52,447.76	7,291.26
23 52 23 00-0093 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	54,664.38	7,548.33
23 52 23 00-0094 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	56,545.15	7,805.39
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	17,690.81	680.77
23 52 23 00-0097 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	19,965.63	778.02
23 52 23 00-0098 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	22,950.23	875.27
23 52 23 00-0099 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	25,517.99	972.52
23 52 23 00-0100 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	27,193.79	972.52
23 52 23 00-0101 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	30,226.68	1,069.78
23 52 23 00-0102 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	32,450.58	1,069.78
23 52 23 00-0103 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	34,397.81	1,167.03
23 52 23 00-0104 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	36,547.16	1,167.03
23 52 23 00-0105 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,171.64	1,264.28
23 52 23 00-0106 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,275.29	1,361.53
23 52 23 00-0107 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	42,456.54	1,361.53
23 52 23 00-0108 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	44,975.99	1,458.78
23 52 23 00-0109 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	46,858.64	1,458.78
23 52 23 00-0110 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	48,795.30	1,556.03
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0113 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	58,874.47	8,179.30
23 52 23 00-0114 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	63,758.41	8,646.69
23 52 23 00-0115 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	68,227.32	9,114.09
23 52 23 00-0116 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	72,604.67	9,581.47
23 52 23 00-0117 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	77,022.25	10,048.86
23 52 23 00-0118 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	82,795.56	10,516.25
23 52 23 00-0119 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	86,963.37	10,983.64
23 52 23 00-0120 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	90,999.34	11,451.03
23 52 23 00-0121 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	97,507.66	11,918.41
23 52 23 00-0122 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,541.34	12,385.80
23 52 23 00-0123 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	105,015.03	12,853.19
23 52 23 00-0124 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	111,299.85	13,320.58
23 52 23 00-0125 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	115,366.14	13,787.97
23 52 23 00-0126 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	121,793.71	14,255.35
23 52 23 00-0127 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	126,069.14	14,722.75
23 52 23 00-0128 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	130,738.55	15,190.14
23 52 23 00-0129 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	134,762.56	15,657.53
23 52 23 00-0130 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	138,899.42	16,124.92
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,587.89	1,264.28
23 52 23 00-0133 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	56,257.74	1,361.53
23 52 23 00-0134 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	60,509.69	1,458.78
23 52 23 00-0135 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,673.40	1,556.03
23 52 23 00-0136 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,484.90	1,556.03
23 52 23 00-0137 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	72,550.05	1,653.28
23 52 23 00-0138 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,112.70	1,653.28
23 52 23 00-0139 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	79,933.06	1,750.54
23 52 23 00-0140 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	85,837.21	1,750.54
23 52 23 00-0141 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	89,656.51	1,847.80
23 52 23 00-0142 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	92,525.11	1,847.80
23 52 23 00-0143 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	98,596.77	1,945.05
23 52 23 00-0144 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	102,057.57	1,945.05
23 52 23 00-0145 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	108,288.85	2,042.30
23 52 23 00-0146 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	111,939.70	2,042.30
23 52 23 00-0147 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	116,392.20	2,139.55
23 52 23 00-0148 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	119,812.05	2,139.55
23 52 23 00-0149 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	123,733.21	2,236.80
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	55,741.27	8,179.30
23 52 23 00-0152 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	60,625.21	8,646.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0153 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	66,545.22	9,114.09
23 52 23 00-0154 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	70,543.52	9,581.47
23 52 23 00-0155 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	74,702.80	10,048.86
23 52 23 00-0156 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	80,187.36	10,516.25
23 52 23 00-0157 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	84,550.47	10,983.64
23 52 23 00-0158 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	88,588.54	11,451.03
23 52 23 00-0159 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	95,846.56	11,918.41
23 52 23 00-0160 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	99,881.29	12,385.80
23 52 23 00-0161 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	103,914.63	12,853.19
23 52 23 00-0162 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	111,307.20	13,320.58
23 52 23 00-0163 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	115,373.49	13,787.97
23 52 23 00-0164 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	121,970.11	14,255.35
23 52 23 00-0165 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	126,244.49	14,722.75
23 52 23 00-0166 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	130,823.60	15,190.14
23 52 23 00-0167 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	134,847.61	15,657.53
23 52 23 00-0168 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	138,990.77	16,124.92
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	48,284.59	1,264.28
23 52 23 00-0171 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	52,954.44	1,361.53
23 52 23 00-0172 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	58,657.49	1,458.78
23 52 23 00-0173 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	62,442.15	1,556.03
23 52 23 00-0174 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	65,995.35	1,556.03
23 52 23 00-0175 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	69,771.75	1,653.28
23 52 23 00-0176 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	73,529.70	1,653.28
23 52 23 00-0177 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	77,350.06	1,750.54
23 52 23 00-0178 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	84,006.01	1,750.54
23 52 23 00-0179 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	87,824.26	1,847.80
23 52 23 00-0180 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,254.61	1,847.80
23 52 23 00-0181 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	98,434.02	1,945.05
23 52 23 00-0182 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	101,894.82	1,945.05
23 52 23 00-0183 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	108,274.15	2,042.30
23 52 23 00-0184 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	111,944.95	2,042.30
23 52 23 00-0185 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	116,307.15	2,139.55
23 52 23 00-0186 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	119,727.00	2,139.55
23 52 23 00-0187 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	123,654.46	2,236.80
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	59,859.37	8,179.30
23 52 23 00-0190 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	64,744.36	8,646.69
23 52 23 00-0191 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	69,482.07	9,114.09
23 52 23 00-0192 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	73,965.47	9,581.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0193 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	78,358.90	10,048.86
23 52 23 00-0194 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	83,289.06	10,516.25
23 52 23 00-0195 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	88,602.42	10,983.64
23 52 23 00-0196 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	92,896.69	11,451.03
23 52 23 00-0197 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	99,569.86	11,918.41
23 52 23 00-0198 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	103,603.54	12,385.80
23 52 23 00-0199 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	107,150.73	12,853.19
23 52 23 00-0200 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	113,506.95	13,320.58
23 52 23 00-0201 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	118,623.24	13,787.97
23 52 23 00-0202 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	125,613.61	14,255.35
23 52 23 00-0203 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	129,857.54	14,722.75
23 52 23 00-0204 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	134,722.25	15,190.14
23 52 23 00-0205 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	138,747.31	15,657.53
23 52 23 00-0206 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	142,887.32	16,124.92
 23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0208 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	52,649.44	1,264.28
23 52 23 00-0209 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	57,320.34	1,361.53
23 52 23 00-0210 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	61,844.24	1,458.78
23 52 23 00-0211 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	66,111.90	1,556.03
23 52 23 00-0212 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	69,899.25	1,556.03
23 52 23 00-0213 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	73,120.20	1,653.28
23 52 23 00-0214 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	77,828.40	1,653.28
23 52 23 00-0215 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	81,906.01	1,750.54
23 52 23 00-0216 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	87,977.11	1,750.54
23 52 23 00-0217 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,794.31	1,847.80
23 52 23 00-0218 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	94,737.46	1,847.80
23 52 23 00-0219 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	100,880.52	1,945.05
23 52 23 00-0220 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	105,392.37	1,945.05
23 52 23 00-0221 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	112,165.45	2,042.30
23 52 23 00-0222 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	115,805.80	2,042.30
23 52 23 00-0223 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	120,452.55	2,139.55
23 52 23 00-0224 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	123,873.45	2,139.55
23 52 23 00-0225 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	127,798.81	2,236.80
 23 52 33 Water-Tube Boilers (23 52)		
23 52 33 13 Finned Water-Tube Boilers (23 52 33)		
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)		
23 52 33 13-0002 EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,667.73	591.95
23 52 33 13-0003 EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,342.95	657.72
23 52 33 13-0004 EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,463.72	789.27
23 52 33 13-0005 EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,654.73	822.15
23 52 33 13-0006 EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,534.35	986.59
23 52 33 13-0007 EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,378.22	1,183.90
23 52 33 13-0008 EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,389.53	1,249.67
23 52 33 13-0009 EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	19,232.17	1,348.34
23 52 33 13-0010 EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	20,924.35	1,414.10

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0011	EA		2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	22,394.32	1,446.99
23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler <small>(23 52 33 13)</small>					
23 52 33 13-0013	EA		1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	22,534.54	1,183.90
23 52 33 13-0014	EA		1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	28,035.96	1,348.34
23 52 33 13-0015	EA		2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	29,883.01	1,446.99
23 52 33 13-0016	EA		2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	41,944.73	1,644.31
23 52 33 13-0017	EA		3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	44,092.97	1,841.62
23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler <small>(23 52 33 13)</small>					
23 52 33 13-0019	EA		340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	7,689.28	531.17
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0020	EA		425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	9,264.76	663.70
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0021	EA		552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	10,050.49	797.24
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0022	EA		637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	10,298.43	797.24
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0023	EA		841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	12,784.56	996.55
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0024	EA		1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	14,604.25	996.55
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0025	EA		1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	15,807.95	996.55
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0026	EA		1,538 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	17,195.62	1,195.86
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0027	EA		1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	20,313.28	1,395.17
			<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	259.95	
			<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	230.29	
23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump <small>(23 52 33 13)</small>					
23 52 33 13-0029	EA		385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	7,691.61	730.07
23 52 33 13-0030	EA		420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	8,294.42	657.72
23 52 33 13-0031	EA		546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	9,154.00	789.27
23 52 33 13-0032	EA		630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	9,735.40	896.00
23 52 33 13-0033	EA		756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	10,814.61	986.59
23 52 33 13-0034	EA		832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	11,620.78	1,061.93
23 52 33 13-0035	EA		1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	13,254.52	1,183.90
23 52 33 13-0036	EA		1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	15,246.59	1,249.67
23 52 33 13-0037	EA		1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	16,204.87	1,348.34
23 52 33 13-0038	EA		1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	19,088.37	1,381.22
23 52 33 13-0039	EA		1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	19,188.02	1,414.10
23 52 33 13-0040	EA		1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	22,196.75	1,446.99
23 52 33 16 Steel Water-Tube Boilers <small>(23 52 33)</small>					
23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>					
Note: Compliant with BAAQMD.					
23 52 33 16-0002	EA		1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	45,151.79	1,594.48
23 52 33 16-0003	EA		1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	48,789.25	1,993.10
23 52 33 16-0004	EA		2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	49,818.42	2,192.41
23 52 33 16-0005	EA		2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	53,687.81	2,391.72
23 52 33 16-0006	EA		3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	55,705.85	2,690.69
23 52 33 16-0007	EA		3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	61,509.38	2,989.65
23 52 33 16-0008	EA		4,300 MBH Input/3655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	64,075.17	3,089.30
23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>					
Note: Compliant with BAAQMD.					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0010	EA		1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	52,649.85	1,793.79
23 52 33 16-0011	EA		1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	55,456.36	2,092.75
23 52 33 16-0012	EA		2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	57,117.18	2,292.07
23 52 33 16-0013	EA		2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	63,825.67	2,491.38
23 52 33 16-0014	EA		3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	66,274.96	2,690.69
23 52 33 16-0015	EA		3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	70,974.20	2,989.65
23 52 33 16-0016	EA		4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	75,162.72	3,188.96
23 52 33 16-0017	EA		5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	123,988.66	3,388.27
23 52 33 16-0018	EA		6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	134,167.94	3,587.57
23 52 33 16-0019	EA		7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	141,192.26	3,786.89
23 52 33 16-0020	EA		8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	144,903.73	3,986.20
23 52 33 16-0021			Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16) Note: Compliant with BAAQMD.		
23 52 33 16-0022	EA		1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	56,593.25	1,793.79
23 52 33 16-0023	EA		1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	60,189.32	2,092.75
23 52 33 16-0024	EA		2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	62,480.69	2,292.07
23 52 33 16-0025	EA		2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	69,347.10	2,491.38
23 52 33 16-0026	EA		3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	71,796.38	2,690.69
23 52 33 16-0027	EA		3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	75,707.17	2,989.65
23 52 33 16-0028	EA		4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	80,050.28	3,188.96
23 52 33 16-0029	EA		5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	128,563.72	3,388.27
23 52 33 16-0030	EA		6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	139,532.55	3,587.57
23 52 33 16-0031	EA		7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	144,032.49	3,786.89
23 52 33 16-0032	EA		8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	150,268.35	3,986.20
23 52 33 16-0033	EA		9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	166,915.43	4,185.51
23 52 33 16-0034	EA		10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	240,117.35	4,384.82
23 52 33 16-0035	EA		12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	252,268.86	4,584.13
23 52 36			Fire-Box Boiler (23 52)		
23 52 36 00-0001			Package Oil Fired Firebox Boilers (23 52 36) Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.		
23 52 36 00-0002	EA		40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	39,134.38	2,334.05
23 52 36 00-0003	EA		46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	40,998.62	2,528.56
23 52 36 00-0004	EA		53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	42,996.94	2,723.06
23 52 36 00-0005	EA		61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	46,470.47	2,917.56
23 52 36 00-0006	EA		69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	48,602.86	3,112.08
23 52 36 00-0007	EA		80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	50,701.86	3,306.58
23 52 36 00-0008	EA		100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	56,227.24	3,501.08
23 52 36 00-0009	EA		127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	64,911.03	3,890.09
23 52 36 00-0010	EA		151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	73,735.71	4,279.10
23 52 36 00-0011	EA		183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	80,914.04	4,716.73
23 52 36 00-0012	EA		220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	88,092.49	5,154.37
23 52 36 00-0013	EA		257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	93,195.94	6,029.64
23 52 36 00-0014	EA		294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	113,151.86	6,904.91
23 52 36 00-0015	EA		368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	133,577.16	7,780.17
23 52 36 00-0016	EA		441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	154,297.60	8,752.70
23 52 36 00-0017	EA		514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	174,330.56	9,482.09
23 52 39			Fire-Tube Boilers (23 52)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 52 39 13 Scotch Marine Boilers** (23 52 39)**23 52 39 13-0001****15 PSI Steam Scotch Marine Boilers** (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002**15 PSI Gas Fired Steam Scotch Marine Boilers** (23 52 39 13-0001)

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	31,457.34	1,069.78
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	33,889.53	1,167.03
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	36,804.54	1,264.28
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,718.91	1,458.78
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,624.47	1,556.03
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,571.06	1,653.28
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,880.85	1,701.91
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,234.70	1,750.54
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,206.60	1,945.05
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,194.83	2,139.55
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,946.62	2,358.37
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	70,696.42	2,577.19
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,142.75	3,014.81
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,975.10	3,452.45
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,789.46	3,890.09
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,817.71	4,327.72
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,715.88	4,765.36
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,768.37	5,203.00
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,830.26	5,640.63
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,057.59	6,078.26
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,423.45	6,515.90
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	246,058.40	6,953.53

23 52 39 13-0025**15 PSI Oil Fired Steam Scotch Marine Boilers** (23 52 39 13-0001)

23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	29,305.88	1,069.78
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	31,576.13	1,167.03
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	34,289.98	1,264.28
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,515.95	1,458.78
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,205.58	1,556.03
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,890.66	1,653.28
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,386.86	1,701.91
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,278.50	1,750.54
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,252.19	1,945.05
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,244.45	2,139.55
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,001.61	2,358.37
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	70,756.77	2,577.19
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,205.78	3,014.81
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,052.88	3,452.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,872.60	3,890.09
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,916.95	4,327.72
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,836.58	4,765.36
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,910.53	5,203.00
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,992.53	5,640.63
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,239.98	6,078.26
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,623.27	6,515.90
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	246,277.00	6,953.53
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	32,398.99	1,069.78
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	34,902.06	1,167.03
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,902.90	1,264.28
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,084.15	1,458.78
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,879.73	1,556.03
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,670.76	1,653.28
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,271.57	1,701.91
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,873.06	1,750.54
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,105.59	1,945.05
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,356.68	2,139.55
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,317.69	2,358.37
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,275.36	2,577.19
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,837.02	3,014.81
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,271.52	3,452.45
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,343.37	3,890.09
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,026.08	4,327.72
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	144,869.73	4,765.36
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,830.14	5,203.00
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,761.06	5,640.63
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	213,819.88	6,078.26
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,981.01	6,515.90
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,377.70	6,953.53
23 52 39 13-0071 150 PSI Steam Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,656.30	1,167.03
23 52 39 13-0074 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,327.69	1,264.28
23 52 39 13-0075 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	48,584.04	1,458.78
23 52 39 13-0076 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,944.23	1,556.03
23 52 39 13-0077 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,358.86	1,653.28
23 52 39 13-0078 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,003.93	1,701.91

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0079 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	58,005.53	1,750.54
23 52 39 13-0080 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,537.13	1,945.05
23 52 39 13-0081 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,384.13	2,139.55
23 52 39 13-0082 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,600.40	2,358.37
23 52 39 13-0083 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,814.68	2,577.19
23 52 39 13-0084 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,068.35	3,014.81
23 52 39 13-0085 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,126.51	3,452.45
23 52 39 13-0086 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,740.19	3,890.09
23 52 39 13-0087 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,374.21	4,327.72
23 52 39 13-0088 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,921.56	4,765.36
23 52 39 13-0089 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	205,346.96	5,203.00
23 52 39 13-0090 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,512.19	5,640.63
23 52 39 13-0091 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	260,581.35	6,078.26
23 52 39 13-0092 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	286,535.58	6,515.90
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	311,513.47	6,953.53
23 52 39 13-0094 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	39,648.21	1,167.03
23 52 39 13-0096 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	43,059.43	1,264.28
23 52 39 13-0097 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	47,018.98	1,458.78
23 52 39 13-0098 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	49,100.22	1,556.03
23 52 39 13-0099 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	51,175.55	1,653.28
23 52 39 13-0100 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	53,060.68	1,701.91
23 52 39 13-0101 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	56,760.99	1,750.54
23 52 39 13-0102 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	65,594.80	1,945.05
23 52 39 13-0103 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,449.84	2,139.55
23 52 39 13-0104 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	81,672.82	2,358.37
23 52 39 13-0105 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	88,893.81	2,577.19
23 52 39 13-0106 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,150.16	3,014.81
23 52 39 13-0107 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,227.09	3,452.45
23 52 39 13-0108 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	123,848.82	3,890.09
23 52 39 13-0109 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,502.96	4,327.72
23 52 39 13-0110 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	176,078.47	4,765.36
23 52 39 13-0111 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	205,532.03	5,203.00
23 52 39 13-0112 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	233,722.74	5,640.63
23 52 39 13-0113 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	260,817.39	6,078.26
23 52 39 13-0114 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	286,795.75	6,515.90
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	311,797.78	6,953.53
23 52 39 13-0116 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,971.92	1,167.03
23 52 39 13-0118 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,755.96	1,264.28
23 52 39 13-0119 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,358.32	1,458.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0120 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	52,576.35	1,556.03
23 52 39 13-0121 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	54,788.48	1,653.28
23 52 39 13-0122 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	56,811.74	1,701.91
23 52 39 13-0123 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	58,834.33	1,750.54
23 52 39 13-0124 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	68,004.75	1,945.05
23 52 39 13-0125 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,195.07	2,139.55
23 52 39 13-0126 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	84,682.25	2,358.37
23 52 39 13-0127 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,168.77	2,577.19
23 52 39 13-0128 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,571.30	3,014.81
23 52 39 13-0129 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	118,411.32	3,452.45
23 52 39 13-0130 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,360.28	3,890.09
23 52 39 13-0131 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	150,844.56	4,327.72
23 52 39 13-0132 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	182,623.03	4,765.36
23 52 39 13-0133 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,227.26	5,203.00
23 52 39 13-0134 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	242,521.70	5,640.63
23 52 39 13-0135 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	270,671.79	6,078.26
23 52 39 13-0136 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	297,660.00	6,515.90
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	323,627.62	6,953.53
23 52 39 13-0138 125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139 125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	37,047.82	1,167.03
23 52 39 13-0141 EA 50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	41,490.34	1,264.28
23 52 39 13-0142 EA 60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	44,765.93	1,458.78
23 52 39 13-0143 EA 70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	48,098.42	1,556.03
23 52 39 13-0144 EA 80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	51,494.73	1,653.28
23 52 39 13-0145 EA 90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	54,142.95	1,701.91
23 52 39 13-0146 EA 100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	58,138.30	1,750.54
23 52 39 13-0147 EA 125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	62,499.54	1,945.05
23 52 39 13-0148 EA 150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,178.86	2,139.55
23 52 39 13-0149 EA 175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,679.41	2,358.37
23 52 39 13-0150 EA 200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,505.61	2,577.19
23 52 39 13-0151 EA 250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,206.44	3,014.81
23 52 39 13-0152 EA 300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,081.25	3,452.45
23 52 39 13-0153 EA 350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,673.44	3,890.09
23 52 39 13-0154 EA 400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,907.72	4,327.72
23 52 39 13-0155 EA 500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	154,060.29	4,765.36
23 52 39 13-0156 EA 600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	179,638.07	5,203.00
23 52 39 13-0157 EA 700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	204,117.96	5,640.63
23 52 39 13-0158 EA 800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,660.03	6,078.26
23 52 39 13-0159 EA 900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	250,240.05	6,515.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	271,993.93	6,953.53
23 52 39 13-0161		125 PSI Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162	EA	40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	34,483.64	1,167.03
23 52 39 13-0163	EA	50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	38,604.29	1,264.28
23 52 39 13-0164	EA	60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	43,340.34	1,458.78
23 52 39 13-0165	EA	70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	46,372.42	1,556.03
23 52 39 13-0166	EA	80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	49,398.60	1,653.28
23 52 39 13-0167	EA	90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	52,234.56	1,701.91
23 52 39 13-0168	EA	100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	56,891.08	1,750.54
23 52 39 13-0169	EA	125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	62,554.52	1,945.05
23 52 39 13-0170	EA	150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	68,237.87	2,139.55
23 52 39 13-0171	EA	175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,742.44	2,358.37
23 52 39 13-0172	EA	200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,571.32	2,577.19
23 52 39 13-0173	EA	250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,285.57	3,014.81
23 52 39 13-0174	EA	300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,173.78	3,452.45
23 52 39 13-0175	EA	350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,772.68	3,890.09
23 52 39 13-0176	EA	400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,019.04	4,327.72
23 52 39 13-0177	EA	500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	154,195.74	4,765.36
23 52 39 13-0178	EA	600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	179,797.66	5,203.00
23 52 39 13-0179	EA	700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	204,300.35	5,640.63
23 52 39 13-0180	EA	800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,863.88	6,078.26
23 52 39 13-0181	EA	900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	250,464.01	6,515.90
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,238.01	6,953.53
23 52 39 13-0183		125 PSI Gas/Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0184	EA	40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	38,168.98	1,167.03
23 52 39 13-0185	EA	50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	42,750.98	1,264.28
23 52 39 13-0186	EA	60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	46,381.96	1,458.78
23 52 39 13-0187	EA	70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	49,627.27	1,556.03
23 52 39 13-0188	EA	80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	52,868.02	1,653.28
23 52 39 13-0189	EA	90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	55,918.56	1,701.91
23 52 39 13-0190	EA	100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	58,969.78	1,750.54
23 52 39 13-0191	EA	125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	64,837.07	1,945.05
23 52 39 13-0192	EA	150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	70,724.26	2,139.55
23 52 39 13-0193	EA	175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,380.38	2,358.37
23 52 39 13-0194	EA	200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,291.07	2,577.19
23 52 39 13-0195	EA	250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,587.35	3,014.81
23 52 39 13-0196	EA	300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,022.74	3,452.45
23 52 39 13-0197	EA	350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,905.96	3,890.09
23 52 39 13-0198	EA	400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,632.42	4,327.72
23 52 39 13-0199	EA	500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,828.36	4,765.36
23 52 39 13-0200	EA	600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	186,421.35	5,203.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 54 Furnaces** (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)**23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	857.29	102.33
Note: Excludes cooling equipment.				
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,122.61	127.91
Note: Excludes cooling equipment.				
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,435.94	153.48
Note: Excludes cooling equipment.				

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	857.29	102.33
Note: Excludes cooling equipment.				
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,015.45	115.12
Note: Excludes cooling equipment.				
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,112.61	127.91
Note: Excludes cooling equipment.				
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,173.77	140.70
Note: Excludes cooling equipment.				
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,435.94	153.48
Note: Excludes cooling equipment.				

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace.....	155.41	25.10
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace.....	176.45	27.62
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace.....	191.49	30.13
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace.....	251.53	32.63
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace.....	271.57	35.14

23 54 16 Fuel-Fired Furnaces (23 54)**23 54 16 13 Gas-Fired Furnaces** (23 54 16)**23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces** (23 54 16 13)

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,250.14	89.54
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,341.29	102.33
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	1,543.45	115.12
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,812.77	140.70
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,938.94	153.48
Note: Blower cooling capacity up to 5 tons.				

23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,378.13	89.54
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,515.29	102.33
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,616.22	115.12
Note: Blower cooling capacity up to 3 tons.				
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,756.61	127.91
Note: Blower cooling capacity up to 3.5 tons.				
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,913.77	140.70
Note: Blower cooling capacity up to 5 tons.				
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,024.94	153.48
Note: Blower cooling capacity up to 5 tons.				

23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)

23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,228.09	89.54
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,409.25	102.33
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,551.57	127.91
Note: Blower cooling capacity up to 4 tons.				
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,662.73	140.70
Note: Blower cooling capacity up to 5 tons.				



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>			
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 4 tons.	1,574.13	89.54
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 3 tons.	1,669.29	102.33
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 4 tons.	1,860.45	115.12
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 4 tons.	2,052.77	140.70
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	2,203.94	153.48
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>			
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	1,128.13	89.54
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	1,200.29	102.33
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	1,340.45	115.12
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace	Note: Blower cooling capacity up to 4 tons.	1,350.45	115.12
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace	Note: Blower cooling capacity up to 5 tons.	1,476.61	127.91
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	1,564.78	140.70
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	1,664.94	153.48
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>			
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	821.13	89.54
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	904.29	102.33
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 4 tons.	1,031.45	115.12
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 4 tons.	1,032.45	115.12
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 5 tons.	1,135.61	127.91
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	1,178.77	140.70
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	1,305.94	153.48
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>			
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	831.13	89.54
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 3 tons.	907.29	102.33
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	Note: Blower cooling capacity up to 4 tons.	1,076.45	115.12
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	Note: Blower cooling capacity up to 5 tons.	1,186.61	127.91
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace <small>(23 54 16 13-0001)</small>			
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace		1,307.92	76.75
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace		1,519.67	95.98
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace.....		1,192.92	76.75
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace.....		1,276.51	83.19
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace.....		1,275.09	89.54
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace.....		1,318.72	95.98
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace.....		1,360.80	95.98
23 54 16 13-0055		Gas Fired Indoor Duct Furnace <small>(23 54 16 13-0001)</small>			
		Note: Includes burner, controls and electronic ignition.			
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace <small>(23 54 16 13-0055)</small>			
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		1,468.53	199.54
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		1,650.90	245.58
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		1,921.94	353.02
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		2,168.34	399.07
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		2,524.31	460.46
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		2,804.05	552.55
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace		3,267.51	736.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,629.33	199.54
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,809.30	245.58
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,139.54	353.02
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,425.14	399.07
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,967.51	460.46
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,284.85	552.55
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,721.91	736.74
23 54 16 16		Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001		Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	2,081.29	102.33
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	2,256.77	140.70
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	2,610.10	166.27
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	2,442.77	140.70
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	2,497.10	166.27
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,138.77	140.70
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,538.10	166.27
23 54 16 16-0011	EA	Note: Blower cooling capacity up to 5 tons.		
23 54 19		Furnace Accessories (23 54)		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit.....	147.32	25.58
23 54 19 00-0002	EA	1" Furnace External Filter Rack	42.57	
23 54 19 00-0003	EA	Remove And Reinstall Forced Air Furnace..... Note: Includes storage and cleaning. Excludes ductwork.	473.73	
23 55		Fuel-Fired Heaters (23 50)		
23 55 23		Gas-Fired Radiant Heaters (23 55)		
23 55 23 13		Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001		Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	751.49	108.26
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	841.01	119.09
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	892.97	119.09
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,114.85	142.91
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,123.61	142.91
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	836.94 123.97	112.55
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	890.34 137.32	112.55
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	951.37 152.57	112.55
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,024.74 170.92	112.55
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,114.83 190.45	122.79
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,189.11 205.10	133.02
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... For Stainless Steel Housing, Add	1,874.67 366.25	143.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0016 Gas Fired Tubular Infrared Heater <small>(23 55 23 13-0001)</small> Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater.....	59.45	5.41
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	68.86	6.49
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	83.38	7.58
23 55 23 13-0021 "S" Straight Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater.....	48.64	4.33
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	61.30	5.41
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	73.96	6.49
23 55 33 Fuel-Fired Unit Heaters <small>(23 55)</small>		
23 55 33 00-0001 Gas Fired Unit Heaters <small>(23 55 33)</small>		
23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt <small>(23 55 33 00-0001)</small>		
23 55 33 00-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,314.77	186.85
23 55 33 00-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,454.17	224.23
23 55 33 00-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,473.88	224.23
23 55 33 00-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,622.80	261.59
23 55 33 00-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,793.74	298.96
23 55 33 00-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,922.59	317.65
23 55 33 00-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,972.30	317.65
23 55 33 00-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,929.70	317.65
23 55 33 00-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,262.89	336.34
23 55 33 00-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,456.94	336.34
23 55 33 00-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,617.86	336.34
23 55 33 00-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,107.65	373.71
23 55 33 00-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,472.09	373.71
23 55 33 00-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,732.91	411.08
23 55 33 00-0017 Oil Fired Unit Heater <small>(23 55 33)</small>		
23 55 33 00-0018 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt <small>(23 55 33 00-0017)</small>		
23 55 33 00-0019 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,068.46	498.27
23 55 33 00-0020 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,447.24	548.10
23 55 33 00-0021 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,858.01	597.93
23 55 33 00-0022 Removal And Reinstallation Of Unit Heaters <small>(23 55 33)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0023 EA Remove And Reinstall Up To 101.3 MBH Output Gas or Oil Unit Heater	622.50	
23 55 33 00-0024 EA Remove And Reinstall >101.3 MBH Output Gas or Oil Unit Heater	839.02	
23 57 Heat Exchangers for HVAC <small>(23 50)</small>		
23 57 13 Steam-To-Steam Heat Exchangers <small>(23 57)</small>		
23 57 13 00-0001 Steam Generator Heat Exchanger <small>(23 57 13)</small> Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	12,459.57	1,732.18
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	16,381.84	1,840.44
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	21,760.97	2,187.99
23 57 16 Steam-To-Water Heat Exchangers <small>(23 57)</small>		
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI <small>(23 57 16)</small> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,432.40	270.65
For Bronze Head And Tube Sheet, Add	482.18	
For Copper Nickel Tubes, Add	107.15	
For Double Wall Tube Bundles, Add	160.73	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,055.63	270.65
For Bronze Head And Tube Sheet, Add	730.17	
For Copper Nickel Tubes, Add	162.26	
For Double Wall Tube Bundles, Add	243.39	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,051.72	378.91
For Bronze Head And Tube Sheet, Add	1,129.69	
For Copper Nickel Tubes, Add	251.04	
For Double Wall Tube Bundles, Add	376.56	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,909.48	378.91
For Bronze Head And Tube Sheet, Add	1,722.09	
For Copper Nickel Tubes, Add	382.69	
For Double Wall Tube Bundles, Add	574.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 57 Heat Exchangers for HVAC



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,435.34	446.03
			<i>For Bronze Head And Tube Sheet, Add</i>	2,286.93	
			<i>For Copper Nickel Tubes, Add</i>	508.21	
			<i>For Double Wall Tube Bundles, Add</i>	762.31	
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,396.25	542.41
			<i>For Bronze Head And Tube Sheet, Add</i>	3,003.32	
			<i>For Copper Nickel Tubes, Add</i>	667.40	
			<i>For Double Wall Tube Bundles, Add</i>	1,001.11	
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,413.04	814.14
			<i>For Bronze Head And Tube Sheet, Add</i>	3,678.38	
			<i>For Copper Nickel Tubes, Add</i>	817.42	
			<i>For Double Wall Tube Bundles, Add</i>	1,226.13	
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,534.38	814.14
			<i>For Bronze Head And Tube Sheet, Add</i>	5,731.11	
			<i>For Copper Nickel Tubes, Add</i>	1,273.58	
			<i>For Double Wall Tube Bundles, Add</i>	1,910.37	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA		8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,246.91	270.65
23 57 19 13-0003	EA		8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	2,912.51	270.65
23 57 19 13-0004	EA		11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	3,852.73	324.78
23 57 19 13-0005	EA		16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,154.94	351.85
23 57 19 13-0006	EA		16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	5,612.55	351.85
23 57 19 13-0007	EA		24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,247.56	378.91
23 57 19 13-0008	EA		26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	7,621.97	378.91
23 57 19 13-0009	EA		24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	9,394.14	433.04
23 57 19 13-0010	EA		24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	11,457.53	487.17
23 57 19 13-0011	EA		26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	11,873.54	487.17
23 57 19 13-0012	EA		24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	14,639.51	549.54
23 57 19 13-0013	EA		26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	17,621.71	604.40
23 57 19 13-0014	EA		40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	20,312.59	659.25

23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,677.32	270.65
			<i>For Copper Nickel Tubes, Add</i>	131.64	
			<i>For Double Wall Tube Bundles, Add</i>	197.47	
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,300.55	270.65
			<i>For Copper Nickel Tubes, Add</i>	186.75	
			<i>For Double Wall Tube Bundles, Add</i>	280.13	
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,388.48	378.91
			<i>For Copper Nickel Tubes, Add</i>	284.72	
			<i>For Double Wall Tube Bundles, Add</i>	427.08	
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,824.13	378.91
			<i>For Copper Nickel Tubes, Add</i>	410.24	
			<i>For Double Wall Tube Bundles, Add</i>	615.36	
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,992.85	433.04
			<i>For Copper Nickel Tubes, Add</i>	505.15	
			<i>For Double Wall Tube Bundles, Add</i>	757.72	
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,936.09	433.04
			<i>For Copper Nickel Tubes, Add</i>	679.65	
			<i>For Double Wall Tube Bundles, Add</i>	1,019.48	
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,766.69	407.07
			<i>For Copper Nickel Tubes, Add</i>	844.97	
			<i>For Double Wall Tube Bundles, Add</i>	1,267.46	
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,130.71	407.07
			<i>For Copper Nickel Tubes, Add</i>	1,053.15	
			<i>For Double Wall Tube Bundles, Add</i>	1,579.73	
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,505.88	407.07
			<i>For Copper Nickel Tubes, Add</i>	1,347.05	
			<i>For Double Wall Tube Bundles, Add</i>	2,020.58	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	1,906.65	216.52
			<i>For Copper Nickel Tubes, Add</i>	147.36	
			<i>For Double Wall Tube Bundles, Add</i>	221.04	
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	4,889.36	360.84
			<i>For Copper Nickel Tubes, Add</i>	416.76	
			<i>For Double Wall Tube Bundles, Add</i>	625.14	
23 57 19 23-0004	EA		70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,573.83	470.72
			<i>For Copper Nickel Tubes, Add</i>	563.41	
			<i>For Double Wall Tube Bundles, Add</i>	845.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,108.91 597.17 895.76	569.78
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,518.93 720.50 1,080.76	646.53

23 60 Central Cooling Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors ^(23 60)

23 61 16 Reciprocating Refrigerant Compressors ^(23 61)

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors ^(23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002 EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	420.79	97.77
23 61 16 00-0003 EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	482.92	97.77
23 61 16 00-0004 EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	645.72	122.17
23 61 16 00-0005 EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	773.87	122.17
23 61 16 00-0006 EA 1 Ton Refrigerant Compressor, Reciprocating Open Type.....	851.54	122.17
23 61 16 00-0007 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	865.84	127.10
23 61 16 00-0008 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	870.37	127.10
23 61 16 00-0009 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	953.37	136.87
23 61 16 00-0010 EA 2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,024.70	146.66
23 61 16 00-0011 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,114.15	156.44
23 61 16 00-0012 EA 3 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,247.48	156.44
23 61 16 00-0013 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,391.29	166.21
23 61 16 00-0014 EA 4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,426.40	175.99
23 61 16 00-0015 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,451.69	180.83
23 61 16 00-0016 EA 5 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,554.06	946.65
23 61 16 00-0017 EA 7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	3,619.82	1,081.83
23 61 16 00-0018 EA 10 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,685.70	1,217.11
23 61 16 00-0019 EA 12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	5,997.71	1,318.45
23 61 16 00-0020 EA 15 Ton Refrigerant Compressor, Reciprocating Open Type.....	7,310.00	1,419.97
23 61 16 00-0021 EA 20 Ton Refrigerant Compressor, Reciprocating Open Type.....	8,772.00	1,703.96
23 61 16 00-0022 EA 25 Ton Refrigerant Compressor, Reciprocating Open Type.....	10,409.33	1,831.43
23 61 16 00-0023 EA 30 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,968.74	1,936.32
23 61 16 00-0024 EA 50 Ton Refrigerant Compressor, Reciprocating Open Type.....	15,448.23	2,184.59
23 61 16 00-0025 EA 60 Ton Refrigerant Compressor, Reciprocating Open Type.....	17,994.07	2,241.88
23 61 16 00-0026 EA 70 Ton Refrigerant Compressor, Reciprocating Open Type.....	22,179.64	2,299.08
23 61 16 00-0027 EA 75 Ton Refrigerant Compressor, Reciprocating Open Type.....	23,234.75	2,327.78
23 61 16 00-0028 EA 80 Ton Refrigerant Compressor, Reciprocating Open Type.....	24,246.83	2,356.38
23 61 16 00-0029 EA 90 Ton Refrigerant Compressor, Reciprocating Open Type.....	26,143.24	2,413.58
23 61 16 00-0030 EA 100 Ton Refrigerant Compressor, Reciprocating Open Type.....	27,870.28	2,470.96
23 61 16 00-0031 EA 110 Ton Refrigerant Compressor, Reciprocating Open Type.....	29,855.18	2,689.90
23 61 16 00-0032 EA 120 Ton Refrigerant Compressor, Reciprocating Open Type.....	31,240.20	2,750.10
23 61 16 00-0033 EA 130 Ton Refrigerant Compressor, Reciprocating Open Type.....	32,417.38	2,785.11
23 61 16 00-0034 EA 140 Ton Refrigerant Compressor, Reciprocating Open Type.....	33,500.29	2,871.28
23 61 16 00-0035 EA 150 Ton Refrigerant Compressor, Reciprocating Open Type.....	34,371.96	2,931.48
23 61 16 00-0036 EA 175 Ton Refrigerant Compressor, Reciprocating Open Type.....	35,273.15	3,011.81
23 61 16 00-0037 EA 185 Ton Refrigerant Compressor, Reciprocating Open Type.....	36,101.54	3,044.19
23 61 16 00-0038 EA 200 Ton Refrigerant Compressor, Reciprocating Open Type.....	36,957.95	3,094.57
23 61 16 00-0039 EA 225 Ton Refrigerant Compressor, Reciprocating Open Type.....	38,063.43	3,303.27
23 61 16 00-0040 EA 250 Ton Refrigerant Compressor, Reciprocating Open Type.....	39,119.14	3,481.34

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons ^(23 61 16 00-0041)

23 61 16 00-0043 EA 1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	658.43	97.77
23 61 16 00-0044 EA 1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	678.12	97.77
23 61 16 00-0045 EA 1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	746.70	122.17
23 61 16 00-0046 EA 3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	766.40	122.17
23 61 16 00-0047 EA 1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	776.24	122.17
23 61 16 00-0048 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	801.77	127.10
23 61 16 00-0049 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	823.44	127.10
23 61 16 00-0050 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	884.37	136.87
23 61 16 00-0051 EA 2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	943.32	146.66
23 61 16 00-0052 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,021.96	156.44
23 61 16 00-0053 EA 3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,061.35	156.44
23 61 16 00-0054 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,139.98	166.21
23 61 16 00-0055 EA 4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,336.82	175.99
23 61 16 00-0056 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,454.91	180.83

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16 00-0041)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0058 EA 5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,938.78	486.84
23 61 16 00-0059 EA 10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,501.84	608.56
23 61 16 00-0060 EA 15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,685.24	740.87
23 61 16 00-0061 EA 20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,188.00	851.98
23 61 16 00-0062 EA 25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,941.83	946.65
23 61 16 00-0063 EA 30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,814.25	1,064.98
23 61 16 00-0064 EA 35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,306.05	1,217.11
23 61 16 00-0065 EA 40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,336.07	1,217.11
23 61 16 00-0066 EA 50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,657.32	1,419.97
23 61 16 00-0067 EA 60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,833.49	1,521.39
23 61 16 00-0068 EA 70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,947.94	1,594.40
23 61 16 00-0069 EA 75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,555.29	1,673.16
23 61 16 00-0070 EA 80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,143.17	1,679.66
23 61 16 00-0071 EA 90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,256.59	1,758.69
23 61 16 00-0072 EA 100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	24,376.92	1,831.43

23 61 19 Scroll Refrigerant Compressors (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002 EA Up To 3 Ton Scroll Refrigerant Compressor	1,004.92	156.25
23 61 19 00-0003 EA 3.5 Ton Scroll Refrigerant Compressor	1,055.00	166.30
23 61 19 00-0004 EA 4 Ton Scroll Refrigerant Compressor	1,083.78	175.90
23 61 19 00-0005 EA 4.5 Ton Scroll Refrigerant Compressor	1,105.83	180.92
23 61 19 00-0006 EA 5 Ton Scroll Refrigerant Compressor	1,372.31	228.44
23 61 19 00-0007 EA 7.5 Ton Scroll Refrigerant Compressor	2,563.77	342.66
23 61 19 00-0008 EA 8.75 Ton Scroll Refrigerant Compressor	2,937.50	399.76
23 61 19 00-0009 EA 10 Ton Scroll Refrigerant Compressor	3,295.95	456.87
23 61 19 00-0010 EA 12 Ton Scroll Refrigerant Compressor	3,981.22	548.25
23 61 19 00-0011 EA 13.5 Ton Scroll Refrigerant Compressor	4,678.38	616.78
23 61 19 00-0012 EA 15 Ton Scroll Refrigerant Compressor	5,467.00	685.31
23 61 19 00-0013 EA 20 Ton Scroll Refrigerant Compressor	7,677.00	913.75
23 61 19 00-0014 EA 25 Ton Scroll Refrigerant Compressor	8,714.81	1,142.18
23 61 19 00-0015 EA 30 Ton Scroll Refrigerant Compressor	9,397.79	1,370.62

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)**23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)**

23 61 23 00-0002 EA 75 Ton Refrigerant Compressor, Rotary Screw Type	25,406.76	2,327.78
23 61 23 00-0003 EA 80 Ton Refrigerant Compressor, Rotary Screw Type	26,156.11	2,356.38
23 61 23 00-0004 EA 90 Ton Refrigerant Compressor, Rotary Screw Type	27,777.59	2,413.58
23 61 23 00-0005 EA 100 Ton Refrigerant Compressor, Rotary Screw Type	29,383.98	2,470.96
23 61 23 00-0006 EA 110 Ton Refrigerant Compressor, Rotary Screw Type	31,688.47	2,689.90
23 61 23 00-0007 EA 120 Ton Refrigerant Compressor, Rotary Screw Type	33,565.03	2,750.10
23 61 23 00-0008 EA 130 Ton Refrigerant Compressor, Rotary Screw Type	35,388.25	2,785.11
23 61 23 00-0009 EA 140 Ton Refrigerant Compressor, Rotary Screw Type	37,308.33	2,871.28
23 61 23 00-0010 EA 150 Ton Refrigerant Compressor, Rotary Screw Type	39,183.60	2,931.48
23 61 23 00-0011 EA 170 Ton Refrigerant Compressor, Rotary Screw Type	41,814.01	3,011.81
23 61 23 00-0012 EA 185 Ton Refrigerant Compressor, Rotary Screw Type	43,658.21	3,044.19
23 61 23 00-0013 EA 200 Ton Refrigerant Compressor, Rotary Screw Type	44,532.89	3,094.57
23 61 23 00-0014 EA 215 Ton Refrigerant Compressor, Rotary Screw Type	49,898.89	3,303.27
23 61 23 00-0015 EA 225 Ton Refrigerant Compressor, Rotary Screw Type	55,161.80	3,481.34

23 62 Packaged Compressor and Condenser Units (23 62)**23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	5,739.62	422.15
23 62 13 00-0003 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	13,437.29	422.15
23 62 13 00-0004 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	24,071.98	422.15
23 62 13 00-0005 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	28,669.58	482.46
23 62 13 00-0006 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	34,259.80	603.07
23 62 13 00-0007 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	38,061.49	733.74
23 62 13 00-0008 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	39,171.99	870.97
23 62 13 00-0009 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,018.46	952.94
23 62 13 00-0010 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	44,772.80	998.64
23 62 13 00-0011 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,513.97	1,181.45
23 62 13 00-0012 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	58,272.56	1,361.34
23 62 13 00-0013 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	61,546.12	1,370.20
23 62 13 00-0014 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	69,651.03	1,463.17
23 62 13 00-0015 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	76,244.75	1,550.28



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Cooling Equipment	23 60
Packaged Compressor and Condenser Units	23 62

23

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 62 13 00-0016

Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	5,448.57	422.15
23 62 13 00-0018	EA	5	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	11,780.72	422.15
23 62 13 00-0019	EA	10	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	18,712.74	422.15
23 62 13 00-0020	EA	15	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	20,276.75	482.46
23 62 13 00-0021	EA	20	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	21,932.13	603.07
23 62 13 00-0022	EA	25	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	26,145.08	733.74
23 62 13 00-0023	EA	30	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	29,701.22	870.97
23 62 13 00-0024	EA	40	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	38,120.67	948.56
23 62 13 00-0025	EA	50	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	42,746.56	998.64
23 62 13 00-0026	EA	60	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	46,598.42	1,179.99
23 62 13 00-0027	EA	75	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,404.53	1,361.34
23 62 13 00-0028	EA	80	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	56,523.68	1,370.20
23 62 13 00-0029	EA	90	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	62,123.65	1,463.17
23 62 13 00-0030	EA	100	Ton	Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	71,020.79	1,550.28

23 62 13 00-0031

Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15	Ton	Packaged Chiller With Remote Air Cooled Condensers	36,786.18	7,483.69
				<i>For Gas Fired Engine Driven, Add</i>	6,235.25	
23 62 13 00-0033	EA	20	Ton	Packaged Chiller With Remote Air Cooled Condensers	41,468.45	7,888.20
				<i>For Gas Fired Engine Driven, Add</i>	7,111.06	
23 62 13 00-0034	EA	25	Ton	Packaged Chiller With Remote Air Cooled Condensers	48,069.85	8,584.14
				<i>For Gas Fired Engine Driven, Add</i>	8,326.99	
23 62 13 00-0035	EA	30	Ton	Packaged Chiller With Remote Air Cooled Condensers	53,691.05	9,120.70
				<i>For Gas Fired Engine Driven, Add</i>	9,370.79	
23 62 13 00-0036	EA	40	Ton	Packaged Chiller With Remote Air Cooled Condensers	66,962.47	10,064.22
				<i>For Gas Fired Engine Driven, Add</i>	11,883.62	
23 62 13 00-0037	EA	50	Ton	Packaged Chiller With Remote Air Cooled Condensers	73,800.30	10,423.61
				<i>For Gas Fired Engine Driven, Add</i>	13,197.29	
23 62 13 00-0038	EA	60	Ton	Packaged Chiller With Remote Air Cooled Condensers	80,189.80	11,225.44
				<i>For Gas Fired Engine Driven, Add</i>	14,354.98	
23 62 13 00-0039	EA	70	Ton	Packaged Chiller With Remote Air Cooled Condensers	97,339.66	12,010.84
				<i>For Gas Fired Engine Driven, Add</i>	17,644.71	
23 62 13 00-0040	EA	75	Ton	Packaged Chiller With Remote Air Cooled Condensers	98,477.23	12,240.00
				<i>For Gas Fired Engine Driven, Add</i>	17,860.36	
23 62 13 00-0041	EA	80	Ton	Packaged Chiller With Remote Air Cooled Condensers	100,294.04	12,772.22
				<i>For Gas Fired Engine Driven, Add</i>	18,143.93	
23 62 13 00-0042	EA	90	Ton	Packaged Chiller With Remote Air Cooled Condensers	111,209.81	13,352.80
				<i>For Gas Fired Engine Driven, Add</i>	20,240.05	
23 62 13 00-0043	EA	100	Ton	Packaged Chiller With Remote Air Cooled Condensers	122,970.12	13,988.66
				<i>For Gas Fired Engine Driven, Add</i>	22,496.78	
23 62 13 00-0044	EA	110	Ton	Packaged Chiller With Remote Air Cooled Condensers	136,266.71	14,688.05
				<i>For Gas Fired Engine Driven, Add</i>	25,051.24	
23 62 13 00-0045	EA	120	Ton	Packaged Chiller With Remote Air Cooled Condensers	147,306.42	15,461.14
				<i>For Gas Fired Engine Driven, Add</i>	27,143.28	
23 62 13 00-0046	EA	140	Ton	Packaged Chiller With Remote Air Cooled Condensers	162,488.94	16,320.06
				<i>For Gas Fired Engine Driven, Add</i>	30,051.00	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,532.34	692.61
23 62 23 00-0003	EA	10	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	6,849.83	1,011.49
23 62 23 00-0004	EA	15	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,802.60	1,096.21
23 62 23 00-0005	EA	20	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,647.28	1,315.44
23 62 23 00-0006	EA	30	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,502.07	1,547.64
23 62 23 00-0007	EA	60	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	21,468.32	2,175.43
23 62 23 00-0008	EA	80	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	26,599.14	2,625.55
23 62 23 00-0009	EA	120	Ton	Water Cooled Condensing Unit With Compressor, Condenser And Motor	36,327.80	2,872.77

23 63 Refrigerant Condensers (23 63)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63	13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	4,223.74	692.61
			<i>For >10 To 25, Deduct</i>	-95.24	
			<i>For >25 To 50, Deduct</i>	-158.74	
			<i>For >50, Deduct</i>	-253.98	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	674.97	
			<i>For Winter Start Control, Add</i>	231.89	
23 63	13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	5,055.38	822.15
			<i>For >10 To 25, Deduct</i>	-114.29	
			<i>For >25 To 50, Deduct</i>	-190.48	
			<i>For >50, Deduct</i>	-304.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	616.20	
			<i>For Winter Start Control, Add</i>	200.76	
23 63	13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,544.56	1,011.49
			<i>For >10 To 25, Deduct</i>	-150.34	
			<i>For >25 To 50, Deduct</i>	-250.57	
			<i>For >50, Deduct</i>	-400.91	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	734.09	
			<i>For Winter Start Control, Add</i>	253.54	
23 63	13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,999.36	1,052.35
			<i>For >10 To 25, Deduct</i>	-192.15	
			<i>For >25 To 50, Deduct</i>	-320.24	
			<i>For >50, Deduct</i>	-512.39	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	846.96	
			<i>For Winter Start Control, Add</i>	287.55	
23 63	13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,459.28	1,096.21
			<i>For >10 To 25, Deduct</i>	-233.95	
			<i>For >25 To 50, Deduct</i>	-389.92	
			<i>For >50, Deduct</i>	-623.87	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	883.13	
			<i>For Winter Start Control, Add</i>	244.08	
23 63	13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	12,143.75	1,315.44
			<i>For >10 To 25, Deduct</i>	-304.52	
			<i>For >25 To 50, Deduct</i>	-507.53	
			<i>For >50, Deduct</i>	-812.05	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,107.31	
			<i>For Winter Start Control, Add</i>	300.82	
23 63	13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,775.81	1,415.10
			<i>For >10 To 25, Deduct</i>	-349.01	
			<i>For >25 To 50, Deduct</i>	-581.68	
			<i>For >50, Deduct</i>	-930.69	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,175.40	
			<i>For Winter Start Control, Add</i>	330.56	
23 63	13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,760.54	1,544.65
			<i>For >10 To 25, Deduct</i>	-402.70	
			<i>For >25 To 50, Deduct</i>	-671.17	
			<i>For >50, Deduct</i>	-1,073.87	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,255.45	
			<i>For Winter Start Control, Add</i>	367.95	
23 63	13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,397.58	1,730.46
			<i>For >10 To 25, Deduct</i>	-561.87	
			<i>For >25 To 50, Deduct</i>	-936.44	
			<i>For >50, Deduct</i>	-1,498.31	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,603.63	
			<i>For Winter Start Control, Add</i>	454.16	
23 63	13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	26,014.95	2,175.43
			<i>For >10 To 25, Deduct</i>	-679.80	
			<i>For >25 To 50, Deduct</i>	-1,133.00	
			<i>For >50, Deduct</i>	-1,812.80	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,745.14	
			<i>For Winter Start Control, Add</i>	448.80	
23 63	13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	29,899.63	2,401.01
			<i>For >10 To 25, Deduct</i>	-788.84	
			<i>For >25 To 50, Deduct</i>	-1,314.73	
			<i>For >50, Deduct</i>	-2,103.56	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,953.05	
			<i>For Winter Start Control, Add</i>	491.98	
23 63	13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,566.44	2,625.55
			<i>For >10 To 25, Deduct</i>	-1,035.52	
			<i>For >25 To 50, Deduct</i>	-1,725.87	
			<i>For >50, Deduct</i>	-2,761.39	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,392.97	
			<i>For Winter Start Control, Add</i>	577.50	
23 63	13 00-0014	EA	100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	53,008.88	2,364.03
			<i>For >10 To 25, Deduct</i>	-1,445.89	
			<i>For >25 To 50, Deduct</i>	-2,409.82	
			<i>For >50, Deduct</i>	-3,855.71	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,649.01	
			<i>For Winter Start Control, Add</i>	722.23	
23 63	13 00-0015	EA	120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	65,061.33	2,444.17
			<i>For >10 To 25, Deduct</i>	-1,802.57	
			<i>For >25 To 50, Deduct</i>	-3,004.29	
			<i>For >50, Deduct</i>	-4,806.86	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,046.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,683.94	333.41
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-35.51	
For >25 To 50, Deduct	-59.19	
For >50, Deduct	-94.71	
For 14 SEER, Add	248.60	
For 16 SEER, Add	485.37	
For 18 SEER, Add	1,053.60	
23 63 13 00-0018 EA 2 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,814.93	370.64
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-37.78	
For >25 To 50, Deduct	-62.96	
For >50, Deduct	-100.74	
For 14 SEER, Add	264.44	
For 16 SEER, Add	516.29	
For 18 SEER, Add	1,120.72	
23 63 13 00-0019 EA 2.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,930.58	407.71
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-39.58	
For >25 To 50, Deduct	-65.97	
For >50, Deduct	-105.55	
For 14 SEER, Add	277.06	
For 16 SEER, Add	540.93	
For 18 SEER, Add	1,174.20	
23 63 13 00-0020 EA 3 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,209.88	444.55
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-46.29	
For >25 To 50, Deduct	-77.15	
For >50, Deduct	-123.44	
For 14 SEER, Add	324.04	
For 16 SEER, Add	632.65	
For 18 SEER, Add	1,373.31	
23 63 13 00-0021 EA 3.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,343.44	481.84
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-48.63	
For >25 To 50, Deduct	-81.05	
For >50, Deduct	-129.68	
For 14 SEER, Add	340.42	
For 16 SEER, Add	664.63	
For 18 SEER, Add	1,442.73	
23 63 13 00-0022 EA 4 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,606.10	518.90
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-54.84	
For >25 To 50, Deduct	-91.41	
For >50, Deduct	-146.25	
For 14 SEER, Add	383.91	
For 16 SEER, Add	749.54	
For 18 SEER, Add	1,627.04	
23 63 13 00-0023 EA 5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,932.00	555.69
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-62.95	
For >25 To 50, Deduct	-104.92	
For >50, Deduct	-167.88	
For 14 SEER, Add	440.68	
For 15 SEER, Add	503.63	
For 16 SEER, Add	860.37	
For 18 SEER, Add	1,867.64	
23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit <small>(23 63 13)</small>		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Remove And Reinstall Air Cooled Condensing Unit Up To 5 Tons.....	341.08	
23 63 13 00-0026 EA Remove And Reinstall Air Cooled Condensing Unit 7.5 To 15 Tons	1,279.06	
23 63 13 00-0027 EA Remove And Reinstall Air Cooled Condensing Unit 20 To 40 Tons	2,093.59	
23 64 Packaged Water Chillers <small>(23 60)</small>		
23 64 13 Absorption Water Chillers <small>(23 64)</small>		
23 64 13 16 Indirect-Fired Absorption Water Chillers <small>(23 64 13)</small>		
23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers <small>(23 64 13 16)</small>		
Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	91,730.59	5,973.76
For Two Stage Unit, Add	60,406.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	116,426.69	7,121.51
For Two Stage Unit, Add	76,922.88	
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	147,171.15	7,311.39
For Two Stage Unit, Add	98,321.98	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	162,925.12	7,450.46
For Two Stage Unit, Add	109,260.40	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	182,068.91	7,637.20
For Two Stage Unit, Add	122,541.04	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	205,570.86	8,087.80
For Two Stage Unit, Add	138,702.89	
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	220,380.06	8,283.25
For Two Stage Unit, Add	148,943.73	
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	262,338.87	8,621.88
For Two Stage Unit, Add	178,097.32	
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	293,803.40	8,873.02
For Two Stage Unit, Add	199,961.13	
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	361,783.13	12,519.52
For Two Stage Unit, Add	245,203.96	
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	394,089.63	14,583.91
For Two Stage Unit, Add	266,492.07	
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	422,050.48	15,232.02
For Two Stage Unit, Add	285,648.19	
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	451,121.07	15,446.70
For Two Stage Unit, Add	305,965.53	
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	516,164.76	15,982.02
For Two Stage Unit, Add	351,155.84	
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	564,569.37	16,471.26
For Two Stage Unit, Add	384,728.06	
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	663,844.11	20,304.17
For Two Stage Unit, Add	451,783.85	
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	775,510.10	21,379.94
For Two Stage Unit, Add	529,266.23	

23 64 16 Centrifugal Water Chillers (23 64)**23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)****23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)**

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller	118,148.40	5,584.05
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	4,367.14	
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller	129,081.05	5,725.47
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	4,795.24	
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller	142,288.86	5,871.01
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	5,314.32	
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller	155,197.70	6,106.40
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	5,815.55	
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller	167,836.22	6,451.20
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	6,298.93	
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller	180,013.32	6,786.60
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	6,764.47	
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller	191,802.01	7,158.71
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	7,212.11	
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller	203,115.22	7,511.73
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	7,641.96	
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller	213,930.99	7,833.63
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	8,053.90	
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller	224,191.78	8,087.80
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	8,448.00	
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller	234,241.66	8,488.49
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	8,824.25	
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller	243,727.94	8,815.97
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	9,182.66	
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller	252,761.19	9,139.24
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Volt Motor, Add	9,523.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	261,231.25 9,845.93	9,389.59
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	276,561.98 10,437.77	9,722.55
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	289,912.73 10,958.22	9,933.95
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	301,926.78 11,407.23	10,424.97
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	312,168.03 11,784.85	10,923.43
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	320,707.67 12,091.20	11,471.80
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	340,619.25 12,852.10	12,025.26
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	360,390.58 13,607.51	12,576.97
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	380,107.19 14,357.32	13,181.62
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	399,780.67 15,101.49	13,847.33
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	418,802.41 15,840.00	14,348.28
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	454,554.11 17,129.75	16,555.78
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	488,980.18 18,366.06	18,769.56
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	521,399.37 19,548.83	20,562.83
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	551,384.77 20,678.06	21,666.96
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	579,970.58 21,753.60	22,734.98
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	606,580.97 22,776.12	23,394.01
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	633,395.44 23,744.95	25,026.11
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	658,217.73 24,660.24	26,246.89
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	682,278.53 25,521.99	27,830.77
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	704,066.01 26,330.30	28,824.74
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	749,566.37 28,117.00	30,456.35
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	790,538.42 29,569.32	32,283.69

23 64 19 Reciprocating Water Chillers (23 64)

23 64 19 00-0001 Packaged Water Cooled Reciprocating Water Chillers (23 64 19)

Note: With reciprocation compressor integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 19 00-0002 EA 15 Ton Packaged Water Cooled Reciprocating Water Chiller	17,881.83	1,602.80
23 64 19 00-0003 EA 20 Ton Packaged Water Cooled Reciprocating Water Chiller	21,035.69	1,890.86
23 64 19 00-0004 EA 25 Ton Packaged Water Cooled Reciprocating Water Chiller	23,504.94	1,947.99
23 64 19 00-0005 EA 30 Ton Packaged Water Cooled Reciprocating Water Chiller	26,159.43	2,138.49
23 64 19 00-0006 EA 40 Ton Packaged Water Cooled Reciprocating Water Chiller	31,596.91	2,605.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 19 00-0007 EA 50 Ton Packaged Water Cooled Reciprocating Water Chiller	35,781.55	2,855.80
23 64 19 00-0008 EA 60 Ton Packaged Water Cooled Reciprocating Water Chiller	37,130.54	3,155.30
23 64 23 Scroll Water Chillers (23 64)		
23 64 23 00-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23)		
Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.		
23 64 23 00-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	15,663.70	1,572.26
23 64 23 00-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	22,623.76	1,592.41
23 64 23 00-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	24,669.89	1,703.28
23 64 23 00-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	27,106.55	1,824.22
23 64 23 00-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	27,607.15	1,945.16
23 64 23 00-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	29,156.80	2,086.27
23 64 23 00-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	33,253.48	2,257.59
23 64 23 00-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	35,721.97	2,449.09
23 64 23 00-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	37,681.48	2,519.64
23 64 23 00-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	39,353.74	2,630.51
23 64 23 00-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	40,677.15	2,721.22
23 64 23 00-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	46,878.59	3,063.89
23 64 23 00-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	50,503.21	3,356.16
23 64 23 00-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	51,385.45	3,366.24
23 64 23 00-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	54,243.68	3,376.32
23 64 23 00-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller.....	57,022.42	3,386.40
23 64 23 00-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller.....	59,835.65	3,396.47
23 64 23 00-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller.....	62,797.30	3,406.55
23 64 23 00-0020 Packaged Water Cooled Scroll Water Chillers (23 64 23)		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 23 00-0021 EA 20 Ton Packaged Water Cooled Scroll Water Chiller	33,902.42	1,890.86
23 64 23 00-0022 EA 25 Ton Packaged Water Cooled Scroll Water Chiller	39,058.11	1,947.99
23 64 23 00-0023 EA 30 Ton Packaged Water Cooled Scroll Water Chiller	43,335.15	2,138.49
23 64 23 00-0024 EA 40 Ton Packaged Water Cooled Scroll Water Chiller	53,097.15	2,605.90
23 64 23 00-0025 EA 50 Ton Packaged Water Cooled Scroll Water Chiller	58,746.80	2,855.80
23 64 23 00-0026 EA 60 Ton Packaged Water Cooled Scroll Water Chiller	61,687.66	3,155.30
23 64 26 Rotary-Screw Water Chillers (23 64)		
23 64 26 00-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26)		
Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.		
23 64 26 00-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	89,711.79	3,860.09
For Aluminum Fins Instead Of Copper, Deduct	-1,258.90	
For 208/230 Volt Motor, Add	3,357.07	
23 64 26 00-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	96,420.10	4,192.68
For Aluminum Fins Instead Of Copper, Deduct	-1,352.12	
For 208/230 Volt Motor, Add	3,605.65	
23 64 26 00-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	101,424.14	4,374.09
For Aluminum Fins Instead Of Copper, Deduct	-1,422.94	
For 208/230 Volt Motor, Add	3,794.52	
23 64 26 00-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	105,184.68	4,706.69
For Aluminum Fins Instead Of Copper, Deduct	-1,471.95	
For 208/230 Volt Motor, Add	3,925.19	
23 64 26 00-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	112,878.03	4,938.50
For Aluminum Fins Instead Of Copper, Deduct	-1,582.21	
For 208/230 Volt Motor, Add	4,219.21	
23 64 26 00-0007 EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	119,938.06	5,039.28
For Aluminum Fins Instead Of Copper, Deduct	-1,685.69	
For 208/230 Volt Motor, Add	4,495.17	
23 64 26 00-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	126,599.45	5,210.62
For Aluminum Fins Instead Of Copper, Deduct	-1,781.83	
For 208/230 Volt Motor, Add	4,751.54	
23 64 26 00-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	130,644.32	5,321.48
For Aluminum Fins Instead Of Copper, Deduct	-1,839.93	
For 208/230 Volt Motor, Add	4,906.48	
23 64 26 00-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	137,939.75	5,432.34
For Aluminum Fins Instead Of Copper, Deduct	-1,946.79	
For 208/230 Volt Motor, Add	5,191.45	



Heating, Ventilating, And Air-Conditioning (HVAC)			23
Central Cooling Equipment			23 60
Packaged Water Chillers			23 64

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 00-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	143,979.42 -2,033.61 5,422.96	5,603.68
23 64 26 00-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	151,820.22 -2,146.23 5,723.28	5,825.41
23 64 26 00-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	158,686.33 -2,246.65 5,991.08	5,946.35
23 64 26 00-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	170,080.85 -2,415.15 6,440.41	6,047.14
23 64 26 00-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	177,650.32 -2,527.48 6,739.96	6,107.61
23 64 26 00-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	185,219.79 -2,639.82 7,039.51	6,158.00
23 64 26 00-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	207,867.75 -2,976.82 7,938.17	6,278.95
23 64 26 00-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	219,272.34 -3,145.31 8,387.51	6,399.89
23 64 26 00-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	234,411.29 -3,369.98 8,986.61	6,500.67
23 64 26 00-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	257,039.08 -3,706.98 9,885.27	6,611.54
23 64 26 00-0021	EA		350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	280,181.28 -4,052.15 10,805.72	6,692.16

23 64 26 00-0022

Packaged Water Cooled Helical Rotary Water Chillers (23 64 26)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 00-0023	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	66,201.38	4,404.21
23 64 26 00-0024	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	71,894.71	4,575.49
23 64 26 00-0025	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	76,837.33	4,697.83
23 64 26 00-0026	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	81,125.72	4,896.02
23 64 26 00-0027	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	85,396.43	5,030.59
23 64 26 00-0028	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	90,600.62	5,171.82
23 64 26 00-0029	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	92,928.01	5,316.37
23 64 26 00-0030	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	100,662.63	5,460.25
23 64 26 00-0031	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	108,181.74	5,595.41
23 64 26 00-0032	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	111,880.11	5,875.22
23 64 26 00-0033	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	114,027.79	6,158.56
23 64 26 00-0034	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	115,579.51	6,290.39
23 64 26 00-0035	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	125,565.68	6,428.00
23 64 26 00-0036	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	133,393.04	6,722.20
23 64 26 00-0037	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	140,797.64	6,994.28
23 64 26 00-0038	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	149,412.17	7,271.36
23 64 26 00-0039	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	164,023.27	7,915.84
23 64 26 00-0040	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	176,008.80	8,706.64
23 64 26 00-0041	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	185,382.78	9,577.70

23 65 Cooling Towers (23 60)

23 65 00 00-0001

Induced Draft Axial Single Flow Propeller Type Cooling Towers (23 65)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bul. 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	6,198.66	1,128.80
23 65 00 00-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	7,282.77	1,219.51
23 65 00 00-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	8,657.06	1,370.68
23 65 00 00-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	9,602.16	1,511.78
23 65 00 00-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	11,310.93	1,673.04
23 65 00 00-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	13,078.87	1,804.06
23 65 00 00-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	14,998.52	2,045.95
23 65 00 00-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	18,801.17	2,570.03
23 65 00 00-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	20,542.27	2,872.39
23 65 00 00-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	30,683.76	3,235.21
23 65 00 00-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	37,203.09	4,041.51
23 65 00 00-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	48,975.83	6,631.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0014			Induced Draft Double Flow Propeller Type Packaged Cooling Towers ^(23 65) Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 00 00-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	18,801.17	2,570.03
23 65 00 00-0016	EA		150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	24,933.77	3,235.21
23 65 00 00-0017	EA		200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,637.37	4,041.51
23 65 00 00-0018	EA		250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	37,700.83	5,059.44
23 65 00 00-0019	EA		300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	45,175.07	6,631.70
23 65 00 00-0020	EA		350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	50,397.31	7,468.21
23 65 00 00-0021	EA		400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	56,121.68	8,193.87
23 65 00 00-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,480.18	9,080.78
23 65 00 00-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	71,355.80	9,846.76
23 65 00 00-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	76,251.94	10,380.92
23 65 00 00-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	81,524.27	10,663.12
23 65 00 00-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	91,687.35	11,025.95
23 65 00 00-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	100,596.08	12,154.75
23 65 00 00-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	111,113.01	13,384.34
23 65 00 00-0029			Induced Draft Crossflow Film Filled Propeller Type Cooling Towers ^(23 65) Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 00 00-0030	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,362.95	1,128.80
			<i>For Polymer Coating Over Galvanized Components, Add</i>	550.46	
23 65 00 00-0031	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,745.35	1,148.96
			<i>For Polymer Coating Over Galvanized Components, Add</i>	604.80	
23 65 00 00-0032	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,253.11	1,249.74
			<i>For Polymer Coating Over Galvanized Components, Add</i>	656.78	
23 65 00 00-0033	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,225.82	1,310.22
			<i>For Polymer Coating Over Galvanized Components, Add</i>	789.08	
23 65 00 00-0034	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,119.78	1,370.68
			<i>For Polymer Coating Over Galvanized Components, Add</i>	909.56	
23 65 00 00-0035	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,002.39	1,441.23
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,025.33	
23 65 00 00-0036	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,811.93	1,511.78
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,131.64	
23 65 00 00-0037	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,710.29	1,592.41
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,249.76	
23 65 00 00-0038	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,597.31	1,673.04
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,363.16	
23 65 00 00-0039	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,316.55	1,804.06
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,592.33	
23 65 00 00-0040	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,181.96	1,945.16
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,840.39	
23 65 00 00-0041	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,063.30	2,045.95
			<i>For Polymer Coating Over Galvanized Components, Add</i>	1,951.43	
23 65 00 00-0042	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,065.59	2,217.28
			<i>For Polymer Coating Over Galvanized Components, Add</i>	2,062.46	
23 65 00 00-0043	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,831.64	2,388.62
			<i>For Polymer Coating Over Galvanized Components, Add</i>	2,138.06	
23 65 00 00-0044	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,283.72	2,570.03
			<i>For Polymer Coating Over Galvanized Components, Add</i>	2,272.73	
23 65 00 00-0045	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,192.73	2,872.39
			<i>For Polymer Coating Over Galvanized Components, Add</i>	2,336.51	
23 65 00 00-0046	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	23,391.79	3,235.21
			<i>For Polymer Coating Over Galvanized Components, Add</i>	2,728.69	
23 65 00 00-0047	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,875.16	3,628.28
			<i>For Polymer Coating Over Galvanized Components, Add</i>	3,007.46	
23 65 00 00-0048	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,375.09	4,041.51
			<i>For Polymer Coating Over Galvanized Components, Add</i>	3,132.68	
23 65 00 00-0049	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,572.03	4,555.51
			<i>For Polymer Coating Over Galvanized Components, Add</i>	3,638.25	
23 65 00 00-0050	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,656.41	5,059.44
			<i>For Polymer Coating Over Galvanized Components, Add</i>	3,978.45	
23 65 00 00-0051	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	37,413.70	5,986.66
			<i>For Polymer Coating Over Galvanized Components, Add</i>	4,169.81	
23 65 00 00-0052	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	40,477.87	6,631.70
			<i>For Polymer Coating Over Galvanized Components, Add</i>	4,472.21	
23 65 00 00-0053	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	46,196.82	7,468.21
			<i>For Polymer Coating Over Galvanized Components, Add</i>	5,128.99	
23 65 00 00-0054	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	50,899.60	8,193.87
			<i>For Polymer Coating Over Galvanized Components, Add</i>	5,660.55	
23 65 00 00-0055	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	56,273.92	9,080.78
			<i>For Polymer Coating Over Galvanized Components, Add</i>	6,253.54	
23 65 00 00-0056	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	61,293.59	9,846.76
			<i>For Polymer Coating Over Galvanized Components, Add</i>	6,820.54	
23 65 00 00-0057	EA		600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	69,691.31	10,663.12
			<i>For Polymer Coating Over Galvanized Components, Add</i>	7,883.66	
23 65 00 00-0058	EA		700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	77,428.31	11,025.95
			<i>For Polymer Coating Over Galvanized Components, Add</i>	9,020.03	
23 65 00 00-0059	EA		800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	86,447.14	12,154.75
			<i>For Polymer Coating Over Galvanized Components, Add</i>	10,106.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0060	EA		900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	95,280.73 <i>11,141.55</i>	13,384.34
23 65 00 00-0061	EA		1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	104,055.68 <i>12,126.71</i>	14,795.34
23 65 00 00-0062	EA		1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	113,474.64 <i>13,371.75</i>	15,510.92
23 65 00 00-0063	EA		1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	122,549.66 <i>14,574.26</i>	16,176.10
23 65 00 00-0064	EA		1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	130,569.87 <i>15,450.75</i>	17,566.93
23 65 00 00-0065	EA		1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	138,420.60 <i>16,277.63</i>	19,058.56
23 65 00 00-0066	EA		1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	146,071.61 <i>17,054.89</i>	20,630.82
23 65 00 00-0067	EA		1,600 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	153,108.39 <i>17,777.81</i>	22,051.90
23 65 00 00-0068	EA		1,700 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	160,131.27 <i>18,448.76</i>	23,674.54
23 65 00 00-0069	EA		1,800 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	167,226.50 <i>19,070.10</i>	25,549.17
23 65 00 00-0070	EA		1,900 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	173,949.47 <i>19,637.10</i>	27,423.77
23 65 00 00-0071	EA		2,000 Ton Induced Draft Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i>	181,410.01 <i>20,154.49</i>	29,983.73

23 65 00 00-0072 Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers (23 65)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0073	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,339.81	624.87
23 65 00 00-0074	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,656.69	776.05
23 65 00 00-0075	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,175.37	876.84
23 65 00 00-0076	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,648.81	957.47
23 65 00 00-0077	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,654.76	1,038.10
23 65 00 00-0078	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,993.43	1,138.88
23 65 00 00-0079	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,672.19	1,481.55
23 65 00 00-0080	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,460.87	1,350.53
23 65 00 00-0081	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,298.30	1,552.09
23 65 00 00-0082	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,240.51	1,733.52
23 65 00 00-0083	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,487.63	1,914.93
23 65 00 00-0084	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,048.38	2,428.93
23 65 00 00-0085	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,977.65	2,741.37
23 65 00 00-0086	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,758.65	3,043.72
23 65 00 00-0087	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,320.54	3,194.90
23 65 00 00-0088	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,424.84	3,336.01
23 65 00 00-0089	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,409.31	3,487.18
23 65 00 00-0090	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	24,331.20	3,638.36
23 65 00 00-0091	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	26,394.89	3,930.64
23 65 00 00-0092	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	30,583.21	4,384.17
23 65 00 00-0093	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	34,591.52	4,847.79
23 65 00 00-0094	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,137.99	5,744.78
23 65 00 00-0095	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,154.61	6,672.01
23 65 00 00-0096	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	53,761.69	7,236.41
23 65 00 00-0097	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	60,531.44	8,193.87
23 65 00 00-0098	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	66,766.12	9,161.41
23 65 00 00-0099	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	78,718.37	10,128.96

23 65 00 00-0100 Stainless Steel Packaged Propeller Type Cooling Towers (23 65)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 00 00-0101 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0102	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	14,123.34	1,673.04
23 65 00 00-0103	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	19,757.70	2,045.95
23 65 00 00-0104	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	23,614.17	2,570.03
23 65 00 00-0105	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	26,727.58	2,872.39
23 65 00 00-0106	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	29,404.58	3,235.21
23 65 00 00-0107	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	35,416.72	4,041.51
23 65 00 00-0108	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	41,986.42	5,059.44
23 65 00 00-0109	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	50,401.67	6,631.70
23 65 00 00-0110	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	55,380.89	7,468.21
23 65 00 00-0111	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	62,513.02	8,193.87
23 65 00 00-0112	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	72,813.39	9,846.76
23 65 00 00-0113	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	81,749.89	10,663.12
23 65 00 00-0114	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	99,853.64	11,590.35
23 65 00 00-0115	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	126,460.23	14,634.08

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0116 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^{(23 65}		
<small>00 00-0100)</small> Note: Excludes crane and associated personnel.		
23 65 00 00-0117 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	32,476.62	2,570.03
<i>For Induced Draft Counter Flow Type, Add</i>	1,417.22	
23 65 00 00-0118 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	36,768.32	2,852.23
<i>For Induced Draft Counter Flow Type, Add</i>	1,607.62	
23 65 00 00-0119 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	40,279.33	3,235.21
<i>For Induced Draft Counter Flow Type, Add</i>	1,753.94	
23 65 00 00-0120 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	45,212.60	4,041.51
<i>For Induced Draft Counter Flow Type, Add</i>	1,936.10	
23 65 00 00-0121 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	51,691.78	5,059.44
<i>For Induced Draft Counter Flow Type, Add</i>	2,177.92	
23 65 00 00-0122 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	60,161.94	6,631.70
<i>For Induced Draft Counter Flow Type, Add</i>	2,474.94	
23 65 00 00-0123 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	65,782.25	7,468.21
<i>For Induced Draft Counter Flow Type, Add</i>	2,688.93	
23 65 00 00-0124 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	71,221.13	8,193.87
<i>For Induced Draft Counter Flow Type, Add</i>	2,902.93	
23 65 00 00-0125 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	82,591.47	9,846.76
<i>For Induced Draft Counter Flow Type, Add</i>	3,338.41	
23 65 00 00-0126 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	92,835.24	10,663.12
<i>For Induced Draft Counter Flow Type, Add</i>	3,785.08	
23 65 00 00-0127 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	113,699.75	11,590.35
<i>For Induced Draft Counter Flow Type, Add</i>	4,727.52	
23 65 00 00-0128 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower.....	146,570.96	14,795.34
<i>For Induced Draft Counter Flow Type, Add</i>	6,168.00	
23 65 00 00-0129 Belt Driven Stainless Steel Propeller Type Cooling Towers ^(23 65 00 00-0100)		
Note: Excludes crane and associated personnel.		
23 65 00 00-0130 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	24,491.22	2,570.03
23 65 00 00-0131 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	26,591.05	2,872.39
23 65 00 00-0132 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	28,793.17	3,235.21
23 65 00 00-0133 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	34,260.68	4,041.51
23 65 00 00-0134 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	38,366.94	5,059.44
23 65 00 00-0135 Blow-Thru Centrifugal Fan Type Cooling Towers ^(23 65)		
Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 00 00-0136 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	11,834.82	1,673.04
<i>For Stainless Steel Cooling Tower, Add</i>	5,595.16	
23 65 00 00-0137 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	16,151.08	2,045.95
<i>For Stainless Steel Cooling Tower, Add</i>	7,858.37	
23 65 00 00-0138 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,372.85	2,570.03
<i>For Stainless Steel Cooling Tower, Add</i>	9,744.38	
23 65 00 00-0139 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	23,436.15	2,872.39
<i>For Stainless Steel Cooling Tower, Add</i>	11,292.10	
23 65 00 00-0140 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	26,754.92	3,235.21
<i>For Stainless Steel Cooling Tower, Add</i>	12,932.63	
23 65 00 00-0141 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	30,074.09	3,628.28
<i>For Stainless Steel Cooling Tower, Add</i>	14,549.21	
23 65 00 00-0142 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	33,732.93	4,041.51
<i>For Stainless Steel Cooling Tower, Add</i>	16,345.40	
23 65 00 00-0143 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	36,954.30	4,555.51
<i>For Stainless Steel Cooling Tower, Add</i>	17,782.36	
23 65 00 00-0144 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	40,325.27	5,059.44
<i>For Stainless Steel Cooling Tower, Add</i>	19,315.12	
23 65 00 00-0145 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	44,441.24	5,986.66
<i>For Stainless Steel Cooling Tower, Add</i>	20,895.77	
23 65 00 00-0146 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	48,383.28	6,631.70
<i>For Stainless Steel Cooling Tower, Add</i>	22,632.10	
23 65 00 00-0147 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	51,003.93	7,055.00
<i>For Stainless Steel Cooling Tower, Add</i>	23,829.56	
23 65 00 00-0148 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	54,064.55	7,468.21
<i>For Stainless Steel Cooling Tower, Add</i>	25,236.59	
23 65 00 00-0149 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	56,994.14	7,831.04
<i>For Stainless Steel Cooling Tower, Add</i>	26,643.61	
23 65 00 00-0150 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	60,312.80	8,193.87
<i>For Stainless Steel Cooling Tower, Add</i>	28,290.12	
23 65 00 00-0151 EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	63,872.36	8,637.33
<i>For Stainless Steel Cooling Tower, Add</i>	29,996.51	
23 65 00 00-0152 EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,870.88	9,080.78
<i>For Stainless Steel Cooling Tower, Add</i>	31,972.33	
23 65 00 00-0153 EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	71,728.82	9,463.77
<i>For Stainless Steel Cooling Tower, Add</i>	33,918.21	
23 65 00 00-0154 EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	75,596.83	9,846.76
<i>For Stainless Steel Cooling Tower, Add</i>	35,864.09	
23 65 00 00-0155 EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	82,738.21	10,259.98
<i>For Stainless Steel Cooling Tower, Add</i>	39,755.86	
23 65 00 00-0156 EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	90,478.32	10,663.12
<i>For Stainless Steel Cooling Tower, Add</i>	44,006.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0157 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	93,552.62 45,803.06	10,884.85
23 65 00 00-0158 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	97,225.63 47,958.49	11,025.95
23 65 00 00-0159 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	101,804.74 50,173.81	11,590.35
23 65 00 00-0160 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	107,082.35 52,808.23	12,154.75
23 65 00 00-0161 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	112,440.61 55,442.65	12,769.54
23 65 00 00-0162 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	118,597.17 58,556.06	13,384.34
23 65 00 00-0163 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	124,994.61 61,729.34	14,089.83
23 65 00 00-0164 EA 1,000 Ton Centrifugal Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	132,180.29 65,381.62	14,795.34

23 65 00 00-0165 Fiberglass Cooling Tower Sump Basins ^(23 65)

Note: Includes 1 inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.

23 65 00 00-0166 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	981.02 115.00 80.00	
23 65 00 00-0167 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,113.70 115.00 80.00	
23 65 00 00-0168 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,077.82 253.00 80.00	
23 65 00 00-0169 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,272.50 253.00 80.00	
23 65 00 00-0170 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,390.68 276.00 100.00	
23 65 00 00-0171 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,539.32 276.00 100.00	
23 65 00 00-0172 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,687.96 276.00 100.00	
23 65 00 00-0173 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,679.62 294.00 140.00	
23 65 00 00-0174 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,847.11 294.00 140.00	
23 65 00 00-0175 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,116.84 294.00 140.00	
23 65 00 00-0176 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,388.02 294.00 140.00	
23 65 00 00-0177 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,552.60 294.00 140.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage ^(23 70)

23 71 13 Thermal Heat Storage ^(23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks ^(23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks ^(23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	15,496.45	182.57
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	21,617.36	242.05
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	24,758.35	292.77
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	29,326.19	365.96
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	34,156.55	486.48
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	44,195.54	732.00
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	49,906.87	824.48
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	68,512.71	1,095.13
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	88,561.29	1,273.13

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)**

23 72 13 00-0001	Enthalpy Recovery Wheel (23 72 13)		
23 72 13 00-0002	EA Up To 1,000 CFM Enthalpy Recovery Wheel	5,916.85	721.56
23 72 13 00-0003	EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel	6,627.51	866.10
23 72 13 00-0004	EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel	8,291.80	1,082.62
23 72 13 00-0005	EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel	9,670.28	1,236.88
23 72 13 00-0006	EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel	10,636.55	1,299.14
23 72 13 00-0007	EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel	12,804.66	1,443.66
23 72 13 00-0008	EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel	16,645.46	1,515.66
23 72 13 00-0009	EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel	20,494.32	1,623.92
23 72 13 00-0010	EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel	24,718.07	1,855.60
23 72 13 00-0011	EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel	27,974.71	2,381.76
23 72 13 00-0012	EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel	37,050.84	2,706.54
23 72 13 00-0013	EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel	44,092.76	3,247.84

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001	Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)		
23 72 16 00-0002	EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit	9,978.30	541.30
23 72 16 00-0003	EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit	15,571.92	721.78
23 72 16 00-0004	EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit	23,096.24	1,082.62

23 73 Indoor Central-Station Air-Handling Units (23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001	Single Zone Units (23 73 13)		
23 73 13 00-0002	EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,710.15	535.63
	For Flat Filter Box And Throwaway Filters, Add	132.76	
	For Medium Capacity Filter Box And Throwaway Filters, Add	242.56	
	For Combination Filter Mixing Box And Throwaway Filters, Add	360.01	
	For Manual Roll Filter, Add	596.25	
	For Automatic Roll Filter, Add	643.50	
	For Hot Water Heating Coil, Aluminum Fins, Add	312.76	
	For Electric Heating Coil, Add	501.75	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	501.75	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	454.50	
	For Steam Heating Coil, Aluminum Fins, Add	407.26	
	For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	321.75	
	For Chilled Water Cooling Coil, Copper Fins, Add	596.25	
	For Direct Expansion Cooling Coil, Copper Fins, Add	549.00	
	For Hot Water Heating Coil, Copper Fins, Add	407.26	
	For Variable Air Volume, Add	132.29	
	For Economizer, Panel, Controls And Damper(s), Add	1,175.63	
	For 2 Coils, Independent Circuits, Add	189.91	
23 73 13 00-0003	EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,589.34	642.76
	For Flat Filter Box And Throwaway Filters, Add	213.06	
	For Medium Capacity Filter Box And Throwaway Filters, Add	398.59	
	For Combination Filter Mixing Box And Throwaway Filters, Add	593.30	
	For Manual Roll Filter, Add	1,011.27	
	For Automatic Roll Filter, Add	1,094.86	
	For Hot Water Heating Coil, Aluminum Fins, Add	509.71	
	For Electric Heating Coil, Add	844.08	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	844.08	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	760.49	
	For Steam Heating Coil, Aluminum Fins, Add	676.90	
	For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	547.43	
	For Chilled Water Cooling Coil, Copper Fins, Add	1,011.27	
	For Direct Expansion Cooling Coil, Copper Fins, Add	927.67	
	For Hot Water Heating Coil, Copper Fins, Add	676.90	
	For Variable Air Volume, Add	234.06	
	For Economizer, Panel, Controls And Damper(s), Add	1,282.24	
	For 2 Coils, Independent Circuits, Add	292.37	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,907.42	690.29
For Flat Filter Box And Throwaway Filters, Add	241.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	453.29	
For Combination Filter Mixing Box And Throwaway Filters, Add	675.01	
For Manual Roll Filter, Add	1,155.35	
For Automatic Roll Filter, Add	1,251.42	
For Hot Water Heating Coil, Aluminum Fins, Add	578.94	
For Electric Heating Coil, Add	963.21	
For Chilled Water Cooling Coil, Aluminum Fins, Add	963.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	867.15	
For Steam Heating Coil, Aluminum Fins, Add	771.08	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	625.71	
For Chilled Water Cooling Coil, Copper Fins, Add	1,155.35	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,059.28	
For Hot Water Heating Coil, Copper Fins, Add	771.08	
For Variable Air Volume, Add	268.99	
For Economizer, Panel, Controls And Damper(s), Add	1,330.25	
For 2 Coils, Independent Circuits, Add	329.17	
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,260.12	741.75
For Flat Filter Box And Throwaway Filters, Add	273.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	514.25	
For Combination Filter Mixing Box And Throwaway Filters, Add	766.07	
For Manual Roll Filter, Add	1,316.15	
For Automatic Roll Filter, Add	1,426.17	
For Hot Water Heating Coil, Aluminum Fins, Add	656.06	
For Electric Heating Coil, Add	1,096.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,096.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	986.11	
For Steam Heating Coil, Aluminum Fins, Add	876.09	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	713.08	
For Chilled Water Cooling Coil, Copper Fins, Add	1,316.15	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,206.14	
For Hot Water Heating Coil, Copper Fins, Add	876.09	
For Variable Air Volume, Add	308.04	
For Economizer, Panel, Controls And Damper(s), Add	1,381.87	
For 2 Coils, Independent Circuits, Add	370.02	
23 73 13 00-0006 EA 1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,672.96	797.99
For Flat Filter Box And Throwaway Filters, Add	310.36	
For Medium Capacity Filter Box And Throwaway Filters, Add	586.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	874.15	
For Manual Roll Filter, Add	1,507.73	
For Automatic Roll Filter, Add	1,634.44	
For Hot Water Heating Coil, Aluminum Fins, Add	747.44	
For Electric Heating Coil, Add	1,254.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,254.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,127.58	
For Steam Heating Coil, Aluminum Fins, Add	1,000.87	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	817.22	
For Chilled Water Cooling Coil, Copper Fins, Add	1,507.73	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,381.01	
For Hot Water Heating Coil, Copper Fins, Add	1,000.87	
For Variable Air Volume, Add	354.80	
For Economizer, Panel, Controls And Damper(s), Add	1,437.07	
For 2 Coils, Independent Circuits, Add	417.98	
23 73 13 00-0007 EA 1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,152.28	857.59
For Flat Filter Box And Throwaway Filters, Add	353.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	671.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,000.67	
For Manual Roll Filter, Add	1,732.47	
For Automatic Roll Filter, Add	1,878.83	
For Hot Water Heating Coil, Aluminum Fins, Add	854.31	
For Electric Heating Coil, Add	1,439.75	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,439.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,293.39	
For Steam Heating Coil, Aluminum Fins, Add	1,147.03	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	939.41	
For Chilled Water Cooling Coil, Copper Fins, Add	1,732.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,586.11	
For Hot Water Heating Coil, Copper Fins, Add	1,147.03	
For Variable Air Volume, Add	409.81	
For Economizer, Panel, Controls And Damper(s), Add	1,497.56	
For 2 Coils, Independent Circuits, Add	473.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,536.19	921.96
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	387.90	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	736.38	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,098.00	
			<i>For Manual Roll Filter, Add</i>	1,903.47	
			<i>For Automatic Roll Filter, Add</i>	2,064.56	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	936.90	
			<i>For Electric Heating Coil, Add</i>	1,581.28	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,581.28	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,420.19	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,259.09	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,032.28	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,903.47	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,742.38	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,259.09	
			<i>For Variable Air Volume, Add</i>	451.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,560.01	
			<i>For 2 Coils, Independent Circuits, Add</i>	518.06	
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,955.34	993.60
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	424.58	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	806.58	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,202.78	
			<i>For Manual Roll Filter, Add</i>	2,086.83	
			<i>For Automatic Roll Filter, Add</i>	2,263.64	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,025.97	
			<i>For Electric Heating Coil, Add</i>	1,733.21	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,733.21	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,556.40	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,379.59	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,131.82	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,086.83	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,910.02	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,379.59	
			<i>For Variable Air Volume, Add</i>	495.07	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,530.52	
			<i>For 2 Coils, Independent Circuits, Add</i>	566.26	
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,411.69	1,065.23
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	465.08	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	884.50	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,319.14	
			<i>For Manual Roll Filter, Add</i>	2,291.60	
			<i>For Automatic Roll Filter, Add</i>	2,486.09	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,124.65	
			<i>For Electric Heating Coil, Add</i>	1,902.61	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,902.61	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,708.12	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,513.63	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,243.04	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,291.60	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,097.11	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,513.63	
			<i>For Variable Air Volume, Add</i>	544.58	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,587.02	
			<i>For 2 Coils, Independent Circuits, Add</i>	618.97	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,839.89	1,145.01
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	502.20	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	955.33	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,424.82	
			<i>For Manual Roll Filter, Add</i>	2,475.87	
			<i>For Automatic Roll Filter, Add</i>	2,686.07	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,214.61	
			<i>For Electric Heating Coil, Add</i>	2,055.45	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,055.45	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,845.24	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,635.03	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,343.04	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,475.87	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,265.66	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,635.03	
			<i>For Variable Air Volume, Add</i>	588.58	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,649.65	
			<i>For 2 Coils, Independent Circuits, Add</i>	668.07	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,298.01	1,232.05
For Flat Filter Box And Throwaway Filters, Add	541.81	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,030.82	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,537.43	
For Manual Roll Filter, Add	2,671.97	
For Automatic Roll Filter, Add	2,898.88	
For Hot Water Heating Coil, Aluminum Fins, Add	1,310.52	
For Electric Heating Coil, Add	2,218.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,218.15	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,991.25	
For Steam Heating Coil, Aluminum Fins, Add	1,764.34	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,449.44	
For Chilled Water Cooling Coil, Copper Fins, Add	2,671.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,445.06	
For Hot Water Heating Coil, Copper Fins, Add	1,764.34	
For Variable Air Volume, Add	635.34	
For Economizer, Panel, Controls And Damper(s), Add	1,717.92	
For 2 Coils, Independent Circuits, Add	720.56	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,321.92	1,426.12
For Flat Filter Box And Throwaway Filters, Add	630.33	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,199.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,789.13	
For Manual Roll Filter, Add	3,110.30	
For Automatic Roll Filter, Add	3,374.53	
For Hot Water Heating Coil, Aluminum Fins, Add	1,524.89	
For Electric Heating Coil, Add	2,581.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,581.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,317.60	
For Steam Heating Coil, Aluminum Fins, Add	2,053.36	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,687.27	
For Chilled Water Cooling Coil, Copper Fins, Add	3,110.30	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,846.06	
For Hot Water Heating Coil, Copper Fins, Add	2,053.36	
For Variable Air Volume, Add	739.86	
For Economizer, Panel, Controls And Damper(s), Add	1,870.48	
For 2 Coils, Independent Circuits, Add	837.89	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,690.79	1,532.57
For Flat Filter Box And Throwaway Filters, Add	659.58	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,253.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,869.24	
For Manual Roll Filter, Add	3,244.43	
For Automatic Roll Filter, Add	3,519.47	
For Hot Water Heating Coil, Aluminum Fins, Add	1,594.20	
For Electric Heating Coil, Add	2,694.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,694.36	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,419.32	
For Steam Heating Coil, Aluminum Fins, Add	2,144.28	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,759.74	
For Chilled Water Cooling Coil, Copper Fins, Add	3,244.43	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,969.40	
For Hot Water Heating Coil, Copper Fins, Add	2,144.28	
For Variable Air Volume, Add	770.11	
For Economizer, Panel, Controls And Damper(s), Add	1,954.50	
For 2 Coils, Independent Circuits, Add	879.09	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,069.86	1,647.07
For Flat Filter Box And Throwaway Filters, Add	689.34	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,308.09	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,950.36	
For Manual Roll Filter, Add	3,379.59	
For Automatic Roll Filter, Add	3,665.43	
For Hot Water Heating Coil, Aluminum Fins, Add	1,664.52	
For Electric Heating Coil, Add	2,807.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,807.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,522.05	
For Steam Heating Coil, Aluminum Fins, Add	2,236.21	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,832.72	
For Chilled Water Cooling Coil, Copper Fins, Add	3,379.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,093.74	
For Hot Water Heating Coil, Copper Fins, Add	2,236.21	
For Variable Air Volume, Add	800.36	
For Economizer, Panel, Controls And Damper(s), Add	2,044.13	
For 2 Coils, Independent Circuits, Add	921.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,905.66	1,901.49
For Flat Filter Box And Throwaway Filters, Add	754.70	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,427.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,128.24	
For Manual Roll Filter, Add	3,675.34	
For Automatic Roll Filter, Add	3,984.76	
For Hot Water Heating Coil, Aluminum Fins, Add	1,818.82	
For Electric Heating Coil, Add	3,056.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,056.50	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,747.08	
For Steam Heating Coil, Aluminum Fins, Add	2,437.66	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,992.38	
For Chilled Water Cooling Coil, Copper Fins, Add	3,675.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,365.92	
For Hot Water Heating Coil, Copper Fins, Add	2,437.66	
For Variable Air Volume, Add	866.37	
For Economizer, Panel, Controls And Damper(s), Add	2,026.91	
For 2 Coils, Independent Circuits, Add	1,014.33	
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,905.66	1,901.49
For Flat Filter Box And Throwaway Filters, Add	754.70	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,427.89	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,128.24	
For Manual Roll Filter, Add	3,675.34	
For Automatic Roll Filter, Add	3,984.76	
For Hot Water Heating Coil, Aluminum Fins, Add	1,818.82	
For Electric Heating Coil, Add	3,056.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,056.50	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,747.08	
For Steam Heating Coil, Aluminum Fins, Add	2,437.66	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,992.38	
For Chilled Water Cooling Coil, Copper Fins, Add	3,675.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,365.92	
For Hot Water Heating Coil, Copper Fins, Add	2,437.66	
For Variable Air Volume, Add	866.37	
For Economizer, Panel, Controls And Damper(s), Add	2,026.91	
For 2 Coils, Independent Circuits, Add	1,014.33	
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,819.84	2,184.04
For Flat Filter Box And Throwaway Filters, Add	825.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,558.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,321.82	
For Manual Roll Filter, Add	3,996.61	
For Automatic Roll Filter, Add	4,331.57	
For Hot Water Heating Coil, Aluminum Fins, Add	1,986.86	
For Electric Heating Coil, Add	3,326.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,326.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,991.74	
For Steam Heating Coil, Aluminum Fins, Add	2,656.78	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,165.78	
For Chilled Water Cooling Coil, Copper Fins, Add	3,996.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,661.65	
For Hot Water Heating Coil, Copper Fins, Add	2,656.78	
For Variable Air Volume, Add	937.88	
For Economizer, Panel, Controls And Damper(s), Add	2,188.27	
For 2 Coils, Independent Circuits, Add	1,115.97	
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,359.99	2,369.49
For Flat Filter Box And Throwaway Filters, Add	866.71	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,631.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,430.84	
For Manual Roll Filter, Add	4,174.39	
For Automatic Roll Filter, Add	4,523.10	
For Hot Water Heating Coil, Aluminum Fins, Add	2,082.13	
For Electric Heating Coil, Add	3,476.97	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,476.97	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,128.26	
For Steam Heating Coil, Aluminum Fins, Add	2,779.55	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,261.55	
For Chilled Water Cooling Coil, Copper Fins, Add	4,174.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,825.68	
For Hot Water Heating Coil, Copper Fins, Add	2,779.55	
For Variable Air Volume, Add	976.39	
For Economizer, Panel, Controls And Damper(s), Add	2,294.31	
For 2 Coils, Independent Circuits, Add	1,175.48	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,886.07	2,545.59
For Flat Filter Box And Throwaway Filters, Add	906.77	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,704.43	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,538.46	
For Manual Roll Filter, Add	4,350.77	
For Automatic Roll Filter, Add	4,713.23	
For Hot Water Heating Coil, Aluminum Fins, Add	2,175.99	
For Electric Heating Coil, Add	3,625.84	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,625.84	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,263.38	
For Steam Heating Coil, Aluminum Fins, Add	2,900.92	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,356.62	
For Chilled Water Cooling Coil, Copper Fins, Add	4,350.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,988.31	
For Hot Water Heating Coil, Copper Fins, Add	2,900.92	
For Variable Air Volume, Add	1,014.90	
For Economizer, Panel, Controls And Damper(s), Add	2,394.73	
For 2 Coils, Independent Circuits, Add	1,233.59	
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,416.39	2,725.02
For Flat Filter Box And Throwaway Filters, Add	947.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,777.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,646.50	
For Manual Roll Filter, Add	4,527.57	
For Automatic Roll Filter, Add	4,903.78	
For Hot Water Heating Coil, Aluminum Fins, Add	2,270.28	
For Electric Heating Coil, Add	3,775.14	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,775.14	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,398.93	
For Steam Heating Coil, Aluminum Fins, Add	3,022.71	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,451.89	
For Chilled Water Cooling Coil, Copper Fins, Add	4,527.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,151.36	
For Hot Water Heating Coil, Copper Fins, Add	3,022.71	
For Variable Air Volume, Add	1,053.40	
For Economizer, Panel, Controls And Damper(s), Add	2,496.84	
For 2 Coils, Independent Circuits, Add	1,292.12	
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,029.13	2,933.24
For Flat Filter Box And Throwaway Filters, Add	993.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,861.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,770.64	
For Manual Roll Filter, Add	4,730.29	
For Automatic Roll Filter, Add	5,122.22	
For Hot Water Heating Coil, Aluminum Fins, Add	2,378.71	
For Electric Heating Coil, Add	3,946.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,946.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,554.50	
For Steam Heating Coil, Aluminum Fins, Add	3,162.57	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,561.11	
For Chilled Water Cooling Coil, Copper Fins, Add	4,730.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,338.36	
For Hot Water Heating Coil, Copper Fins, Add	3,162.57	
For Variable Air Volume, Add	1,097.41	
For Economizer, Panel, Controls And Damper(s), Add	2,616.20	
For 2 Coils, Independent Circuits, Add	1,359.69	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,654.04	3,142.81
For Flat Filter Box And Throwaway Filters, Add	1,040.35	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,945.67	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,895.99	
For Manual Roll Filter, Add	4,934.23	
For Automatic Roll Filter, Add	5,341.88	
For Hot Water Heating Coil, Aluminum Fins, Add	2,488.35	
For Electric Heating Coil, Add	4,118.94	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,118.94	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,711.29	
For Steam Heating Coil, Aluminum Fins, Add	3,303.64	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,670.94	
For Chilled Water Cooling Coil, Copper Fins, Add	4,934.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,526.58	
For Hot Water Heating Coil, Copper Fins, Add	3,303.64	
For Variable Air Volume, Add	1,141.41	
For Economizer, Panel, Controls And Damper(s), Add	2,530.33	
For 2 Coils, Independent Circuits, Add	1,428.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,304.10	3,384.42
For Flat Filter Box And Throwaway Filters, Add	1,088.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,032.03	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,023.87	
For Manual Roll Filter, Add	5,140.69	
For Automatic Roll Filter, Add	5,564.05	
For Hot Water Heating Coil, Aluminum Fins, Add	2,600.50	
For Electric Heating Coil, Add	4,293.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,293.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,870.59	
For Steam Heating Coil, Aluminum Fins, Add	3,447.23	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,782.03	
For Chilled Water Cooling Coil, Copper Fins, Add	5,140.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,717.32	
For Hot Water Heating Coil, Copper Fins, Add	3,447.23	
For Variable Air Volume, Add	1,185.42	
For Economizer, Panel, Controls And Damper(s), Add	2,631.05	
For 2 Coils, Independent Circuits, Add	1,499.76	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,047.59	3,666.39
For Flat Filter Box And Throwaway Filters, Add	1,143.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,130.05	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,168.94	
For Manual Roll Filter, Add	5,374.16	
For Automatic Roll Filter, Add	5,815.21	
For Hot Water Heating Coil, Aluminum Fins, Add	2,727.89	
For Electric Heating Coil, Add	4,492.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,492.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,051.03	
For Steam Heating Coil, Aluminum Fins, Add	3,609.98	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,907.60	
For Chilled Water Cooling Coil, Copper Fins, Add	5,374.16	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,933.12	
For Hot Water Heating Coil, Copper Fins, Add	3,609.98	
For Variable Air Volume, Add	1,234.93	
For Economizer, Panel, Controls And Damper(s), Add	2,748.01	
For 2 Coils, Independent Circuits, Add	1,581.18	
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,767.99	3,914.51
For Flat Filter Box And Throwaway Filters, Add	1,197.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,226.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,311.71	
For Manual Roll Filter, Add	5,605.34	
For Automatic Roll Filter, Add	6,064.06	
For Hot Water Heating Coil, Aluminum Fins, Add	2,852.98	
For Electric Heating Coil, Add	4,687.88	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,687.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,229.16	
For Steam Heating Coil, Aluminum Fins, Add	3,770.43	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,032.03	
For Chilled Water Cooling Coil, Copper Fins, Add	5,605.34	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,146.61	
For Hot Water Heating Coil, Copper Fins, Add	3,770.43	
For Variable Air Volume, Add	1,284.43	
For Economizer, Panel, Controls And Damper(s), Add	2,858.04	
For 2 Coils, Independent Circuits, Add	1,660.29	
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,747.57	3,790.26
For Flat Filter Box And Throwaway Filters, Add	1,204.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,248.00	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,345.03	
For Manual Roll Filter, Add	5,682.86	
For Automatic Roll Filter, Add	6,150.43	
For Hot Water Heating Coil, Aluminum Fins, Add	2,877.46	
For Electric Heating Coil, Add	4,747.73	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,747.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,280.16	
For Steam Heating Coil, Aluminum Fins, Add	3,812.59	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,075.21	
For Chilled Water Cooling Coil, Copper Fins, Add	5,682.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,215.29	
For Hot Water Heating Coil, Copper Fins, Add	3,812.59	
For Variable Air Volume, Add	1,309.19	
For Economizer, Panel, Controls And Damper(s), Add	2,798.87	
For 2 Coils, Independent Circuits, Add	1,661.78	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,534.32 1,253.12 2,326.06 3,459.06 5,841.10 6,317.51 2,982.65 4,888.28 4,888.28 4,411.88 3,935.47 3,158.75 5,841.10 5,364.69 3,935.47 1,333.94 2,981.85 1,744.00	4,205.18
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,318.90 1,320.84 2,455.05 3,651.46 6,175.93 6,680.83 3,146.57 5,166.14 5,166.14 4,661.25 4,156.36 3,340.41 6,175.93 5,671.04 4,156.36 1,413.70 2,644.21 1,833.85	4,374.09
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,163.24 1,391.54 2,588.21 3,849.84 6,516.74 7,050.12 3,316.46 5,449.98 5,449.98 4,916.60 4,383.22 3,525.06 6,516.74 5,983.36 4,383.22 1,493.46 2,699.13 1,929.68	4,543.49
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,030.68 1,467.33 2,733.21 4,066.25 6,895.22 7,461.02 3,500.45 5,763.63 5,763.63 5,197.84 4,632.04 3,730.51 6,895.22 6,329.43 4,632.04 1,584.23 2,742.96 2,029.39	4,718.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,951.50 1,545.79 2,881.95 4,287.99 7,279.04 7,877.26 3,689.78 6,082.62 6,082.62 5,484.41 4,886.20 3,938.63 7,279.04 6,680.83 4,886.20 1,674.99 2,797.46 2,134.43	4,893.18
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	21,014.78 1,726.55 3,228.14 5,480.53 7,778.29 8,183.78 3,453.10 3,723.42 6,156.34 5,480.53 4,804.72 3,753.98 7,507.97 6,832.16 5,480.53 1,892.27 3,047.25 2,371.80	5,245.83
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	23,232.95 1,918.01 3,592.84 6,105.09 8,676.70 9,130.52 3,836.01 4,138.55 6,861.44 6,105.09 5,348.73 4,187.08 8,374.16 7,617.80 6,105.09 2,117.80 3,153.51 2,625.84	5,653.58
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	25,614.52 2,128.44 3,997.06 6,800.00 9,682.22 10,190.85 4,256.87 4,595.96 7,647.72 6,800.00 5,952.29 4,671.57 9,343.14 8,495.43 6,800.00 2,373.59 3,250.55 2,900.54	6,057.70



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 31,005.20 For Flat Filter Box And Throwaway Filters, Add 2,634.70 For Medium Capacity Filter Box And Throwaway Filters, Add 4,989.91 For Combination Filter Mixing Box And Throwaway Filters, Add 8,522.72 For Manual Roll Filter, Add 12,209.82 For Automatic Roll Filter, Add 12,860.48 For Hot Water Heating Coil, Aluminum Fins, Add 5,269.40 For Electric Heating Coil, Add 5,703.18 For Chilled Water Cooling Coil, Aluminum Fins, Add 9,607.16 For Direct Expansion Cooling Coil, Aluminum Fins, Add 8,522.72 For Steam Heating Coil, Aluminum Fins, Add 7,438.28 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 5,888.02 For Chilled Water Cooling Coil, Copper Fins, Add 11,776.04 For Direct Expansion Cooling Coil, Copper Fins, Add 10,691.60 For Hot Water Heating Coil, Copper Fins, Add 8,522.72 For Variable Air Volume, Add 3,036.43 For Economizer, Panel, Controls And Damper(s), Add 3,365.37 For 2 Coils, Independent Circuits, Add 3,534.30	31,005.20 2,634.70 4,989.91 8,522.72 12,209.82 12,860.48 5,269.40 5,703.18 9,607.16 8,522.72 7,438.28 5,888.02 11,776.04 10,691.60 8,522.72 3,036.43 3,365.37 3,534.30	6,523.98
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 34,458.14 For Flat Filter Box And Throwaway Filters, Add 2,948.80 For Medium Capacity Filter Box And Throwaway Filters, Add 5,599.38 For Combination Filter Mixing Box And Throwaway Filters, Add 9,575.26 For Manual Roll Filter, Add 13,743.29 For Automatic Roll Filter, Add 14,478.82 For Hot Water Heating Coil, Aluminum Fins, Add 5,897.59 For Electric Heating Coil, Add 6,387.95 For Chilled Water Cooling Coil, Aluminum Fins, Add 10,801.15 For Direct Expansion Cooling Coil, Aluminum Fins, Add 9,575.26 For Steam Heating Coil, Aluminum Fins, Add 8,349.37 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 6,626.47 For Chilled Water Cooling Coil, Copper Fins, Add 13,252.93 For Direct Expansion Cooling Coil, Copper Fins, Add 12,027.04 For Hot Water Heating Coil, Copper Fins, Add 9,575.26 For Variable Air Volume, Add 3,432.49 For Economizer, Panel, Controls And Damper(s), Add 3,256.05 For 2 Coils, Independent Circuits, Add 3,936.17	34,458.14 2,948.80 5,599.38 9,575.26 13,743.29 14,478.82 5,897.59 6,387.95 10,801.15 9,575.26 8,349.37 6,626.47 13,252.93 12,027.04 9,575.26 3,432.49 3,256.05 3,936.17	6,963.39
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 37,680.37 For Flat Filter Box And Throwaway Filters, Add 3,232.69 For Medium Capacity Filter Box And Throwaway Filters, Add 6,144.18 For Combination Filter Mixing Box And Throwaway Filters, Add 10,511.41 For Manual Roll Filter, Add 15,096.91 For Automatic Roll Filter, Add 15,906.11 For Hot Water Heating Coil, Aluminum Fins, Add 6,465.39 For Electric Heating Coil, Add 7,004.86 For Chilled Water Cooling Coil, Aluminum Fins, Add 11,860.09 For Direct Expansion Cooling Coil, Aluminum Fins, Add 10,511.41 For Steam Heating Coil, Aluminum Fins, Add 9,162.74 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 7,278.72 For Chilled Water Cooling Coil, Copper Fins, Add 14,557.44 For Direct Expansion Cooling Coil, Copper Fins, Add 13,208.76 For Hot Water Heating Coil, Copper Fins, Add 10,511.41 For Variable Air Volume, Add 3,776.29 For Economizer, Panel, Controls And Damper(s), Add 3,371.03 For 2 Coils, Independent Circuits, Add 4,307.51	37,680.37 3,232.69 6,144.18 10,511.41 15,096.91 15,906.11 6,465.39 7,004.86 11,860.09 10,511.41 9,162.74 7,278.72 14,557.44 13,208.76 10,511.41 3,776.29 3,371.03 4,307.51	7,498.54
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 41,297.88 For Flat Filter Box And Throwaway Filters, Add 3,548.14 For Medium Capacity Filter Box And Throwaway Filters, Add 6,747.30 For Combination Filter Mixing Box And Throwaway Filters, Add 11,546.03 For Manual Roll Filter, Add 16,589.07 For Automatic Roll Filter, Add 17,479.02 For Hot Water Heating Coil, Aluminum Fins, Add 7,096.28 For Electric Heating Coil, Add 7,689.58 For Chilled Water Cooling Coil, Aluminum Fins, Add 13,029.27 For Direct Expansion Cooling Coil, Aluminum Fins, Add 11,546.03 For Steam Heating Coil, Aluminum Fins, Add 10,062.78 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 7,997.88 For Chilled Water Cooling Coil, Copper Fins, Add 15,995.77 For Direct Expansion Cooling Coil, Copper Fins, Add 14,512.52 For Hot Water Heating Coil, Copper Fins, Add 11,546.03 For Variable Air Volume, Add 4,153.09 For Economizer, Panel, Controls And Damper(s), Add 3,509.94 For 2 Coils, Independent Circuits, Add 4,723.09	41,297.88 3,548.14 6,747.30 11,546.03 16,589.07 17,479.02 7,096.28 7,689.58 13,029.27 11,546.03 10,062.78 7,997.88 15,995.77 14,512.52 11,546.03 4,153.09 3,509.94 4,723.09	8,239.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 44,374.97		8,637.14
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,820.85	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	7,271.72	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	12,448.02	
			<i>For Manual Roll Filter, Add</i>	17,895.17	
			<i>For Automatic Roll Filter, Add</i>	18,856.43	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,641.71	
			<i>For Electric Heating Coil, Add</i>	8,282.55	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	14,050.12	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	12,448.02	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	10,845.91	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	8,627.16	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	17,254.33	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	15,652.23	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	12,448.02	
			<i>For Variable Air Volume, Add</i>	4,485.89	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,614.93	
			<i>For 2 Coils, Independent Circuits, Add</i>	5,078.34	
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 47,839.67		9,239.63
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	4,121.78	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	7,846.26	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	13,432.97	
			<i>For Manual Roll Filter, Add</i>	19,314.30	
			<i>For Automatic Roll Filter, Add</i>	20,352.18	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	8,243.57	
			<i>For Electric Heating Coil, Add</i>	8,935.49	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	15,162.77	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	13,432.97	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	11,703.17	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	9,311.19	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	18,622.38	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	16,892.57	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	13,432.97	
			<i>For Variable Air Volume, Add</i>	4,843.44	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,485.46	
			<i>For 2 Coils, Independent Circuits, Add</i>	5,475.89	
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 51,618.33		9,976.22
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	4,449.22	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	8,470.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	14,503.35	
			<i>For Manual Roll Filter, Add</i>	20,855.58	
			<i>For Automatic Roll Filter, Add</i>	21,976.56	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	8,898.44	
			<i>For Electric Heating Coil, Add</i>	9,645.76	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	16,371.65	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	14,503.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	12,635.05	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	10,054.13	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	20,108.26	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	18,239.95	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	14,503.35	
			<i>For Variable Air Volume, Add</i>	5,231.25	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,611.53	
			<i>For 2 Coils, Independent Circuits, Add</i>	5,909.15	
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 53,791.72		10,444.79
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	4,634.51	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	8,822.22	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	15,103.78	
			<i>For Manual Roll Filter, Add</i>	21,716.51	
			<i>For Automatic Roll Filter, Add</i>	22,883.46	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	9,269.01	
			<i>For Electric Heating Coil, Add</i>	10,046.98	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	17,048.70	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	15,103.78	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	13,158.86	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	10,469.27	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	20,938.54	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	18,993.62	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	15,103.78	
			<i>For Variable Air Volume, Add</i>	5,445.78	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,691.66	
			<i>For 2 Coils, Independent Circuits, Add</i>	6,157.14	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	55,834.88 4,809.35 9,154.23 15,671.54 22,531.41 23,741.98 9,618.71 10,425.75 17,689.15 15,671.54 13,653.93 10,862.18 21,724.37 19,706.76 15,671.54 5,649.31 3,765.34 6,390.53	10,846.51
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	60,148.25 5,187.10 9,877.56 16,913.26 24,324.19 25,632.00 10,374.20 11,246.07 19,092.94 16,913.26 14,733.57 11,726.16 23,452.32 21,272.63 16,913.26 6,103.12 3,899.32 6,886.70	11,583.01
23 73 13 00-0046 EA 60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	65,648.05 5,679.17 10,826.97 18,548.66 26,697.68 28,135.74 11,358.35 12,317.06 20,945.43 18,548.66 16,151.89 12,869.49 25,738.97 23,342.20 18,548.66 6,710.96 3,671.26 7,523.51	12,386.46
23 73 13 00-0047 EA 65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	71,858.63 6,229.38 11,884.87 20,368.11 29,332.03 30,913.90 12,458.76 13,513.34 23,004.55 20,368.11 17,731.66 14,138.73 28,277.45 25,641.00 20,368.11 7,382.06 3,812.97 8,240.44	13,390.76

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	78,806.72 6,841.02 13,058.24 22,384.08 32,246.41 33,986.81 13,682.04 14,842.31 25,284.77 22,384.08 19,483.40 15,543.07 31,086.13 28,185.45 22,384.08 8,121.91 3,979.31 9,040.95	14,528.97
23 73 13 00-0049		Multi-Zone Units <small>(23 73 13)</small> Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	4,864.37 1,844.74 400.38 749.14 957.93 1,900.93 1,900.93 486.44 549.30 1,586.60 1,586.60 1,900.93 1,900.93 549.30	1,204.98
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,066.16 2,149.67 498.78 932.86 1,193.04 2,365.89 2,365.89 606.62 684.81 1,974.94 1,974.94 2,365.89 2,365.89 684.81	1,509.61
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	7,363.68 2,246.57 621.61 1,174.37 1,496.66 3,017.23 3,017.23 736.37 837.74 2,510.37 2,510.37 3,017.23 3,017.23 837.74	1,606.70
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	7,683.00 2,360.08 645.44 1,217.16 1,552.16 3,119.89 3,119.89 768.30 872.82 2,597.31 2,597.31 3,119.89 3,119.89 872.82	1,720.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,901.91	1,844.39
For Economizer, Panel, Controls And Damper(s), Add	2,484.46	
For Flat Filter Box And Throwaway Filters, Add	758.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,437.84	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,830.24	
For Manual Roll Filter, Add	3,710.33	
For Automatic Roll Filter, Add	3,710.33	
For Hot Water Heating Coil, Aluminum Fins, Add	890.19	
For Electric Heating Coil, Add	1,015.53	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,083.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,083.63	
For Chilled Water Cooling Coil, Copper Fins, Add	3,710.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,710.33	
For 2 Coils, Independent Circuits, Add	1,015.53	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,402.78	1,975.13
For Economizer, Panel, Controls And Damper(s), Add	2,615.04	
For Flat Filter Box And Throwaway Filters, Add	799.20	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,513.76	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,927.47	
For Manual Roll Filter, Add	3,901.86	
For Automatic Roll Filter, Add	3,901.86	
For Hot Water Heating Coil, Aluminum Fins, Add	940.28	
For Electric Heating Coil, Add	1,071.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,243.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,243.73	
For Chilled Water Cooling Coil, Copper Fins, Add	3,901.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,901.86	
For 2 Coils, Independent Circuits, Add	1,071.90	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,927.82	2,108.95
For Economizer, Panel, Controls And Damper(s), Add	2,748.79	
For Flat Filter Box And Throwaway Filters, Add	842.15	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,593.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,030.07	
For Manual Roll Filter, Add	4,104.65	
For Automatic Roll Filter, Add	4,104.65	
For Hot Water Heating Coil, Aluminum Fins, Add	992.78	
For Electric Heating Coil, Add	1,131.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,413.13	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,413.13	
For Chilled Water Cooling Coil, Copper Fins, Add	4,104.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,104.65	
For 2 Coils, Independent Circuits, Add	1,131.09	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,025.24	2,263.04
For Economizer, Panel, Controls And Damper(s), Add	2,524.25	
For Flat Filter Box And Throwaway Filters, Add	941.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,785.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,272.42	
For Manual Roll Filter, Add	4,612.22	
For Automatic Roll Filter, Add	4,612.22	
For Hot Water Heating Coil, Aluminum Fins, Add	1,102.52	
For Electric Heating Coil, Add	1,258.51	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,832.29	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,832.29	
For Chilled Water Cooling Coil, Copper Fins, Add	4,612.22	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,612.22	
For 2 Coils, Independent Circuits, Add	1,258.51	
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,027.89	2,423.53
For Economizer, Panel, Controls And Damper(s), Add	2,654.31	
For Flat Filter Box And Throwaway Filters, Add	1,029.67	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,955.47	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,487.62	
For Manual Roll Filter, Add	5,057.27	
For Automatic Roll Filter, Add	5,057.27	
For Hot Water Heating Coil, Aluminum Fins, Add	1,202.79	
For Electric Heating Coil, Add	1,374.10	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,200.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,200.72	
For Chilled Water Cooling Coil, Copper Fins, Add	5,057.27	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,057.27	
For 2 Coils, Independent Circuits, Add	1,374.10	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,726.43	2,588.44
For Economizer, Panel, Controls And Damper(s), Add	2,779.18	
For Flat Filter Box And Throwaway Filters, Add	1,088.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,065.66	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,628.19	
For Manual Roll Filter, Add	5,339.30	
For Automatic Roll Filter, Add	5,339.30	
For Hot Water Heating Coil, Aluminum Fins, Add	1,272.64	
For Electric Heating Coil, Add	1,453.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,435.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,435.60	
For Chilled Water Cooling Coil, Copper Fins, Add	5,339.30	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,339.30	
For 2 Coils, Independent Circuits, Add	1,453.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,991.35	2,765.39
For Economizer, Panel, Controls And Damper(s), Add	2,923.83	
For Flat Filter Box And Throwaway Filters, Add	1,201.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,284.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,904.98	
For Manual Roll Filter, Add	5,916.66	
For Automatic Roll Filter, Add	5,916.66	
For Hot Water Heating Coil, Aluminum Fins, Add	1,399.14	
For Electric Heating Coil, Add	1,599.91	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,912.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,912.76	
For Chilled Water Cooling Coil, Copper Fins, Add	5,916.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,916.66	
For 2 Coils, Independent Circuits, Add	1,599.91	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,895.15	2,959.55
For Economizer, Panel, Controls And Damper(s), Add	3,075.15	
For Flat Filter Box And Throwaway Filters, Add	1,278.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,429.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,089.66	
For Manual Roll Filter, Add	6,289.94	
For Automatic Roll Filter, Add	6,289.94	
For Hot Water Heating Coil, Aluminum Fins, Add	1,489.52	
For Electric Heating Coil, Add	1,702.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,223.18	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,223.18	
For Chilled Water Cooling Coil, Copper Fins, Add	6,289.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,289.94	
For 2 Coils, Independent Circuits, Add	1,702.87	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,315.91	3,213.79
For Economizer, Panel, Controls And Damper(s), Add	3,273.10	
For Flat Filter Box And Throwaway Filters, Add	1,402.22	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,666.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,390.86	
For Manual Roll Filter, Add	6,909.40	
For Automatic Roll Filter, Add	6,909.40	
For Hot Water Heating Coil, Aluminum Fins, Add	1,631.59	
For Electric Heating Coil, Add	1,866.16	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,736.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,736.55	
For Chilled Water Cooling Coil, Copper Fins, Add	6,909.40	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,909.40	
For 2 Coils, Independent Circuits, Add	1,866.16	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,535.94	3,461.60
For Economizer, Panel, Controls And Damper(s), Add	3,468.69	
For Flat Filter Box And Throwaway Filters, Add	1,506.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,864.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,642.52	
For Manual Roll Filter, Add	7,420.39	
For Automatic Roll Filter, Add	7,420.39	
For Hot Water Heating Coil, Aluminum Fins, Add	1,753.59	
For Electric Heating Coil, Add	2,005.45	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,161.10	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,161.10	
For Chilled Water Cooling Coil, Copper Fins, Add	7,420.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,420.39	
For 2 Coils, Independent Circuits, Add	2,005.45	
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,459.33	3,742.72
For Economizer, Panel, Controls And Damper(s), Add	3,074.41	
For Flat Filter Box And Throwaway Filters, Add	1,579.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,998.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,814.43	
For Manual Roll Filter, Add	7,751.42	
For Automatic Roll Filter, Add	7,751.42	
For Hot Water Heating Coil, Aluminum Fins, Add	1,845.93	
For Electric Heating Coil, Add	2,108.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,439.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,439.09	
For Chilled Water Cooling Coil, Copper Fins, Add	7,751.42	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,751.42	
For 2 Coils, Independent Circuits, Add	2,108.40	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,426.30	4,037.12
For Economizer, Panel, Controls And Damper(s), Add	3,248.25	
For Flat Filter Box And Throwaway Filters, Add	1,754.10	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,335.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,240.98	
For Manual Roll Filter, Add	8,637.68	
For Automatic Roll Filter, Add	8,637.68	
For Hot Water Heating Coil, Aluminum Fins, Add	2,042.63	
For Electric Heating Coil, Add	2,335.74	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,172.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,172.11	
For Chilled Water Cooling Coil, Copper Fins, Add	8,637.68	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,637.68	
For 2 Coils, Independent Circuits, Add	2,335.74	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,564.29	4,351.81
For Economizer, Panel, Controls And Damper(s), Add	3,428.41	
For Flat Filter Box And Throwaway Filters, Add	1,845.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,504.12	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,457.92	
For Manual Roll Filter, Add	9,060.90	
For Automatic Roll Filter, Add	9,060.90	
For Hot Water Heating Coil, Aluminum Fins, Add	2,156.43	
For Electric Heating Coil, Add	2,463.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,526.57	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,526.57	
For Chilled Water Cooling Coil, Copper Fins, Add	9,060.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,060.90	
For 2 Coils, Independent Circuits, Add	2,463.29	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,821.61	4,713.55
For Economizer, Panel, Controls And Damper(s), Add	3,624.86	
For Flat Filter Box And Throwaway Filters, Add	1,946.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,691.74	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,698.58	
For Manual Roll Filter, Add	9,531.41	
For Automatic Roll Filter, Add	9,531.41	
For Hot Water Heating Coil, Aluminum Fins, Add	2,282.16	
For Electric Heating Coil, Add	2,604.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,920.47	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,920.47	
For Chilled Water Cooling Coil, Copper Fins, Add	9,531.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,531.41	
For 2 Coils, Independent Circuits, Add	2,604.35	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,188.55	5,088.21
For Economizer, Panel, Controls And Damper(s), Add	3,362.09	
For Flat Filter Box And Throwaway Filters, Add	2,055.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,892.14	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,956.09	
For Manual Roll Filter, Add	10,030.57	
For Automatic Roll Filter, Add	10,030.57	
For Hot Water Heating Coil, Aluminum Fins, Add	2,418.86	
For Electric Heating Coil, Add	2,757.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,339.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,339.08	
For Chilled Water Cooling Coil, Copper Fins, Add	10,030.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,030.57	
For 2 Coils, Independent Circuits, Add	2,757.15	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,901.75	5,282.66
For Economizer, Panel, Controls And Damper(s), Add	3,449.34	
For Flat Filter Box And Throwaway Filters, Add	2,111.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,996.97	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,090.77	
For Manual Roll Filter, Add	10,291.96	
For Automatic Roll Filter, Add	10,291.96	
For Hot Water Heating Coil, Aluminum Fins, Add	2,490.18	
For Electric Heating Coil, Add	2,836.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,558.23	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,558.23	
For Chilled Water Cooling Coil, Copper Fins, Add	10,291.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,291.96	
For 2 Coils, Independent Circuits, Add	2,836.92	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,571.25	5,471.18
For Economizer, Panel, Controls And Damper(s), Add	3,523.47	
For Flat Filter Box And Throwaway Filters, Add	2,166.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,098.75	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,221.08	
For Manual Roll Filter, Add	10,548.98	
For Automatic Roll Filter, Add	10,548.98	
For Hot Water Heating Coil, Aluminum Fins, Add	2,557.13	
For Electric Heating Coil, Add	2,912.32	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,773.01	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,773.01	
For Chilled Water Cooling Coil, Copper Fins, Add	10,548.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,548.98	
For 2 Coils, Independent Circuits, Add	2,912.32	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,661.91	5,691.08
For Economizer, Panel, Controls And Damper(s), Add	3,030.37	
For Flat Filter Box And Throwaway Filters, Add	2,458.60	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,672.64	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,942.70	
For Manual Roll Filter, Add	12,095.72	
For Automatic Roll Filter, Add	12,095.72	
For Hot Water Heating Coil, Aluminum Fins, Add	2,866.19	
For Electric Heating Coil, Add	3,276.39	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,044.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,044.72	
For Chilled Water Cooling Coil, Copper Fins, Add	12,095.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,095.72	
For 2 Coils, Independent Circuits, Add	3,276.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,716.60	5,916.52
For Economizer, Panel, Controls And Damper(s), Add	3,214.82	
For Flat Filter Box And Throwaway Filters, Add	2,748.85	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,244.02	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,660.73	
For Manual Roll Filter, Add	13,638.87	
For Automatic Roll Filter, Add	13,638.87	
For Hot Water Heating Coil, Aluminum Fins, Add	3,171.66	
For Electric Heating Coil, Add	3,636.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,312.82	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,312.82	
For Chilled Water Cooling Coil, Copper Fins, Add	13,638.87	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,638.87	
For 2 Coils, Independent Circuits, Add	3,636.87	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,122.72	6,139.67
For Economizer, Panel, Controls And Damper(s), Add	3,269.07	
For Flat Filter Box And Throwaway Filters, Add	3,173.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,084.95	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,715.76	
For Manual Roll Filter, Add	15,922.74	
For Automatic Roll Filter, Add	15,922.74	
For Hot Water Heating Coil, Aluminum Fins, Add	3,612.27	
For Electric Heating Coil, Add	4,159.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,187.08	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,187.08	
For Chilled Water Cooling Coil, Copper Fins, Add	15,922.74	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,922.74	
For 2 Coils, Independent Circuits, Add	4,159.40	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,533.25	6,360.61
For Economizer, Panel, Controls And Damper(s), Add	3,324.09	
For Flat Filter Box And Throwaway Filters, Add	3,599.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,926.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,771.23	
For Manual Roll Filter, Add	18,207.04	
For Automatic Roll Filter, Add	18,207.04	
For Hot Water Heating Coil, Aluminum Fins, Add	4,053.33	
For Electric Heating Coil, Add	4,682.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,061.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,061.77	
For Chilled Water Cooling Coil, Copper Fins, Add	18,207.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,207.04	
For 2 Coils, Independent Circuits, Add	4,682.38	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,388.39	6,896.24
For Economizer, Panel, Controls And Damper(s), Add	3,458.64	
For Flat Filter Box And Throwaway Filters, Add	4,046.37	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,020.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,869.69	
For Manual Roll Filter, Add	15,200.54	
For Automatic Roll Filter, Add	18,754.44	
For Hot Water Heating Coil, Aluminum Fins, Add	4,538.84	
For Electric Heating Coil, Add	5,249.62	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,200.54	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,200.54	
For Steam Heating Coil, Aluminum Fins, Add	8,092.74	
For Chilled Water Cooling Coil, Copper Fins, Add	18,754.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,754.44	
For 2 Coils, Independent Circuits, Add	5,249.62	
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	48,962.93	7,498.83
For Economizer, Panel, Controls And Damper(s), Add	3,363.08	
For Flat Filter Box And Throwaway Filters, Add	4,363.60	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,492.13	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,642.65	
For Manual Roll Filter, Add	16,389.01	
For Automatic Roll Filter, Add	20,219.91	
For Hot Water Heating Coil, Aluminum Fins, Add	4,896.29	
For Electric Heating Coil, Add	5,662.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,389.01	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,389.01	
For Steam Heating Coil, Aluminum Fins, Add	8,727.20	
For Chilled Water Cooling Coil, Copper Fins, Add	20,219.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,219.91	
For 2 Coils, Independent Circuits, Add	5,662.47	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	58,012.73	8,101.13
For Economizer, Panel, Controls And Damper(s), Add	3,500.56	
For Flat Filter Box And Throwaway Filters, Add	5,222.75	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,776.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	12,767.63	
For Manual Roll Filter, Add	19,733.98	
For Automatic Roll Filter, Add	24,378.21	
For Hot Water Heating Coil, Aluminum Fins, Add	5,801.27	
For Electric Heating Coil, Add	6,730.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	19,733.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,733.98	
For Steam Heating Coil, Aluminum Fins, Add	10,445.51	
For Chilled Water Cooling Coil, Copper Fins, Add	24,378.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	24,378.21	
For 2 Coils, Independent Circuits, Add	6,730.12	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	65,378.63	8,770.95
For Economizer, Panel, Controls And Damper(s), Add	3,641.82	
For Flat Filter Box And Throwaway Filters, Add	5,912.26	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,805.82	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,467.84	
For Manual Roll Filter, Add	22,397.81	
For Automatic Roll Filter, Add	27,684.46	
For Hot Water Heating Coil, Aluminum Fins, Add	6,537.86	
For Electric Heating Coil, Add	7,595.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,397.81	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,397.81	
For Steam Heating Coil, Aluminum Fins, Add	11,824.51	
For Chilled Water Cooling Coil, Copper Fins, Add	27,684.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	27,684.46	
For 2 Coils, Independent Circuits, Add	7,595.19	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	70,838.43	9,440.77
For Economizer, Panel, Controls And Damper(s), Add	3,788.91	
For Flat Filter Box And Throwaway Filters, Add	6,409.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,546.35	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,685.70	
For Manual Roll Filter, Add	24,287.55	
For Automatic Roll Filter, Add	30,022.12	
For Hot Water Heating Coil, Aluminum Fins, Add	7,083.84	
For Electric Heating Coil, Add	8,230.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,287.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,287.55	
For Steam Heating Coil, Aluminum Fins, Add	12,818.41	
For Chilled Water Cooling Coil, Copper Fins, Add	30,022.12	
For Direct Expansion Cooling Coil, Copper Fins, Add	30,022.12	
For 2 Coils, Independent Circuits, Add	8,230.76	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	79,418.15	11,047.09
For Economizer, Panel, Controls And Damper(s), Add	3,800.77	
For Flat Filter Box And Throwaway Filters, Add	7,153.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,651.43	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,489.61	
For Manual Roll Filter, Add	27,037.40	
For Automatic Roll Filter, Add	33,402.60	
For Hot Water Heating Coil, Aluminum Fins, Add	7,941.82	
For Electric Heating Coil, Add	9,214.85	
For Chilled Water Cooling Coil, Aluminum Fins, Add	27,037.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,037.40	
For Steam Heating Coil, Aluminum Fins, Add	14,307.01	
For Chilled Water Cooling Coil, Copper Fins, Add	33,402.60	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,402.60	
For 2 Coils, Independent Circuits, Add	9,214.85	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,007.82	11,449.10
For Economizer, Panel, Controls And Damper(s), Add	3,874.48	
For Flat Filter Box And Throwaway Filters, Add	7,182.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,692.70	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,548.58	
For Manual Roll Filter, Add	27,096.37	
For Automatic Roll Filter, Add	33,461.57	
For Hot Water Heating Coil, Aluminum Fins, Add	8,000.78	
For Electric Heating Coil, Add	9,273.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	27,096.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,096.37	
For Steam Heating Coil, Aluminum Fins, Add	14,365.98	
For Chilled Water Cooling Coil, Copper Fins, Add	33,461.57	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,461.57	
For 2 Coils, Independent Circuits, Add	9,273.82	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	83,622.92	11,850.44
For Economizer, Panel, Controls And Damper(s), Add	3,948.19	
For Flat Filter Box And Throwaway Filters, Add	7,515.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,187.80	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,363.90	
For Manual Roll Filter, Add	28,365.51	
For Automatic Roll Filter, Add	35,033.25	
For Hot Water Heating Coil, Aluminum Fins, Add	8,362.29	
For Electric Heating Coil, Add	9,695.84	
For Chilled Water Cooling Coil, Aluminum Fins, Add	28,365.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,365.51	
For Steam Heating Coil, Aluminum Fins, Add	15,030.03	
For Chilled Water Cooling Coil, Copper Fins, Add	35,033.25	
For Direct Expansion Cooling Coil, Copper Fins, Add	35,033.25	
For 2 Coils, Independent Circuits, Add	9,695.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	87,647.75	12,721.22
For Economizer, Panel, Controls And Damper(s), Add	4,100.13	
For Flat Filter Box And Throwaway Filters, Add	7,856.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,694.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,187.78	
For Manual Roll Filter, Add	29,610.79	
For Automatic Roll Filter, Add	36,559.46	
For Hot Water Heating Coil, Aluminum Fins, Add	8,764.78	
For Electric Heating Coil, Add	10,154.51	
For Chilled Water Cooling Coil, Aluminum Fins, Add	29,610.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,610.79	
For Steam Heating Coil, Aluminum Fins, Add	15,713.45	
For Chilled Water Cooling Coil, Copper Fins, Add	36,559.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	36,559.46	
For 2 Coils, Independent Circuits, Add	10,154.51	
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	94,268.26	13,390.76
For Economizer, Panel, Controls And Damper(s), Add	4,210.63	
For Flat Filter Box And Throwaway Filters, Add	8,474.58	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,616.64	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,710.31	
For Manual Roll Filter, Add	31,993.80	
For Automatic Roll Filter, Add	39,516.13	
For Hot Water Heating Coil, Aluminum Fins, Add	9,426.83	
For Electric Heating Coil, Add	10,931.29	
For Chilled Water Cooling Coil, Aluminum Fins, Add	31,993.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,993.80	
For Steam Heating Coil, Aluminum Fins, Add	16,949.15	
For Chilled Water Cooling Coil, Copper Fins, Add	39,516.13	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,516.13	
For 2 Coils, Independent Circuits, Add	10,931.29	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	101,245.79	14,127.25
For Economizer, Panel, Controls And Damper(s), Add	3,920.74	
For Flat Filter Box And Throwaway Filters, Add	9,114.21	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,570.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	22,280.33	
For Manual Roll Filter, Add	34,436.09	
For Automatic Roll Filter, Add	42,539.93	
For Hot Water Heating Coil, Aluminum Fins, Add	10,124.58	
For Electric Heating Coil, Add	11,745.35	
For Chilled Water Cooling Coil, Aluminum Fins, Add	34,436.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,436.09	
For Steam Heating Coil, Aluminum Fins, Add	18,228.42	
For Chilled Water Cooling Coil, Copper Fins, Add	42,539.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	42,539.93	
For 2 Coils, Independent Circuits, Add	11,745.35	
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	108,935.27	14,997.66
For Economizer, Panel, Controls And Damper(s), Add	4,041.38	
For Flat Filter Box And Throwaway Filters, Add	9,822.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,627.18	
For Combination Filter Mixing Box And Throwaway Filters, Add	24,021.74	
For Manual Roll Filter, Add	37,149.96	
For Automatic Roll Filter, Add	45,902.10	
For Hot Water Heating Coil, Aluminum Fins, Add	10,893.53	
For Electric Heating Coil, Add	12,643.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	37,149.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,149.96	
For Steam Heating Coil, Aluminum Fins, Add	19,645.67	
For Chilled Water Cooling Coil, Copper Fins, Add	45,902.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,902.10	
For 2 Coils, Independent Circuits, Add	12,643.96	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	116,495.03	15,399.38
For Economizer, Panel, Controls And Damper(s), Add	4,096.01	
For Flat Filter Box And Throwaway Filters, Add	10,551.50	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,717.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	25,829.74	
For Manual Roll Filter, Add	40,009.99	
For Automatic Roll Filter, Add	49,463.48	
For Hot Water Heating Coil, Aluminum Fins, Add	11,649.50	
For Electric Heating Coil, Add	13,540.20	
For Chilled Water Cooling Coil, Aluminum Fins, Add	40,009.99	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	40,009.99	
For Steam Heating Coil, Aluminum Fins, Add	21,103.00	
For Chilled Water Cooling Coil, Copper Fins, Add	49,463.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	49,463.48	
For 2 Coils, Independent Circuits, Add	13,540.20	
23 73 13 00-0088 Return/Supply Air Fan <small>(23 73 13)</small>		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	2,110.37	535.53
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	2,710.49	642.66
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	2,830.23	669.44
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	3,203.16	709.61
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	3,306.63	743.09
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	3,391.46	776.57
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	3,560.30	816.74
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	3,933.21	856.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	4,120.52	897.08
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	4,233.60	937.25
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	4,506.68	1,037.69
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	4,639.06	1,091.25
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	4,761.65	1,138.12
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	4,912.56	1,191.78
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	5,054.21	1,252.04
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	5,338.68	1,399.33
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	6,101.33	1,660.46
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	6,251.52	1,687.24
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	6,316.34	1,693.93
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	6,614.97	1,720.71
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	6,751.85	1,740.80
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	7,092.02	1,808.04
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	7,509.28	1,841.13
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	8,383.35	1,893.45
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	9,103.70	1,995.13
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	10,675.08	2,081.98
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	11,175.08	2,154.57
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	11,659.76	2,216.17
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	12,405.87	2,437.12
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	13,245.71	2,570.83
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	14,828.60	2,677.86
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	17,363.91	2,945.68
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	21,221.47	3,347.40
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	25,513.97	3,468.21
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	26,673.03	3,568.35
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	27,294.83	3,662.09
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	28,613.51	3,822.68
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	30,052.05	4,010.92
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	32,269.87	4,207.67
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	33,720.38	4,430.72
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	34,872.58	4,683.04
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	37,423.35	4,897.39
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	40,188.93	5,131.63
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	43,192.31	5,390.16
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	47,143.91	5,677.30
23 73 13 00-0134	Removal And Reinstallation Of Air Handling Unit (23 73 13)	
Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		
23 73 13 00-0135 EA Remove And Reinstall Air Handling Unit Up To 11,500 CFM.....	2,452.52	
23 73 13 00-0136 EA Remove And Reinstall Air Handling Unit, >11,500 To 16,500 CFM.....	3,326.90	
23 73 13 00-0137 EA Remove And Reinstall Air Handling Unit, >16,500 To 22,000 CFM.....	4,138.62	
23 73 13 00-0138 EA Remove And Reinstall Air Handling Unit, >22,000 CFM.....	7,551.18	
23 74	Packaged Outdoor HVAC Equipment (23 70)	
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units (23 74)	
Note: Includes throwaway filters, filter rack, and manual outside air damper. Units are shipped fully factory assembled in one piece, prewired, prepped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 13 00-0001	Electric Cooling, Electric Heat, Packaged, Outdoor, Central-Station Air-Handling Units (23 74 13)	
23 74 13 00-0002	Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Unit (23 74 13 00-0001)	
Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 10.3 EER, >11 to 19 tons have 9.7 EER, >19 to 63 tons have 9.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.		
23 74 13 00-0003 EA 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	2,975.77	352.75
Note: Electric load approximately 1/2 the cooling capacity.		
<i>For Unit Without Heat, Deduct</i>		
	-340.54	
<i>For Unit Economizer, Add</i>		
	342.98	
<i>For Equipment Base Roof Curbs, Add</i>		
	240.82	
23 74 13 00-0004 EA 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,342.71	473.69
Note: Electric load approximately 1/2 the cooling capacity.		
<i>For Unit Without Heat, Deduct</i>		
	-510.81	
<i>For Unit Economizer, Add</i>		
	502.38	
<i>For Equipment Base Roof Curbs, Add</i>		
	349.14	
23 74 13 00-0005 EA 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,379.54	544.24
Note: Electric load approximately 1/2 the cooling capacity.		
<i>For Unit Without Heat, Deduct</i>		
	-643.66	
<i>For Unit Economizer, Add</i>		
	623.78	
<i>For Equipment Base Roof Curbs, Add</i>		
	430.68	
23 74 13 00-0006 EA 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,543.01	584.56
Note: Electric load approximately 1/2 the cooling capacity.		
<i>For Unit Without Heat, Deduct</i>		
	-804.57	
<i>For Unit Economizer, Add</i>		
	761.58	
<i>For Equipment Base Roof Curbs, Add</i>		
	520.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0007	EA		7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	8,908.33	665.19
			<i>For Unit Without Heat, Deduct</i>	-1,136.69	
			<i>For Unit Economizer, Add</i>	1,042.39	
			<i>For Equipment Base Roof Curbs, Add</i>	701.38	
23 74 13 00-0008	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	13,067.03	745.81
			<i>For Unit Without Heat, Deduct</i>	-1,515.59	
			<i>For Unit Economizer, Add</i>	1,508.78	
			<i>For Equipment Base Roof Curbs, Add</i>	1,054.10	
23 74 13 00-0009	EA		12-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	15,764.35	786.13
			<i>For Unit Without Heat, Deduct</i>	-1,894.49	
			<i>For Unit Economizer, Add</i>	1,829.03	
			<i>For Equipment Base Roof Curbs, Add</i>	1,260.69	
23 74 13 00-0010	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	18,622.94	866.76
			<i>For Unit Without Heat, Deduct</i>	-2,273.39	
			<i>For Unit Economizer, Add</i>	2,165.41	
			<i>For Equipment Base Roof Curbs, Add</i>	1,483.40	
23 74 13 00-0011	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	22,921.36	987.70
			<i>For Unit Without Heat, Deduct</i>	-2,844.07	
			<i>For Unit Economizer, Add</i>	2,671.35	
			<i>For Equipment Base Roof Curbs, Add</i>	1,818.12	
23 74 13 00-0012	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	28,477.84	1,199.35
			<i>For Unit Without Heat, Deduct</i>	-3,555.09	
			<i>For Unit Economizer, Add</i>	3,321.80	
			<i>For Equipment Base Roof Curbs, Add</i>	2,255.27	
23 74 13 00-0013	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	34,044.40	1,400.92
			<i>For Unit Without Heat, Deduct</i>	-4,266.11	
			<i>For Unit Economizer, Add</i>	3,973.25	
			<i>For Equipment Base Roof Curbs, Add</i>	2,693.42	
23 74 13 00-0014	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	39,772.22	1,652.89
			<i>For Unit Without Heat, Deduct</i>	-4,977.13	
			<i>For Unit Economizer, Add</i>	4,640.84	
			<i>For Equipment Base Roof Curbs, Add</i>	3,147.70	
23 74 13 00-0015	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	42,924.62	1,874.61
			<i>For Unit Without Heat, Deduct</i>	-5,313.92	
			<i>For Unit Economizer, Add</i>	5,000.99	
			<i>For Equipment Base Roof Curbs, Add</i>	3,406.81	
23 74 13 00-0016	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	52,526.97	2,066.10
			<i>For Unit Without Heat, Deduct</i>	-6,642.41	
			<i>For Unit Economizer, Add</i>	6,138.35	
			<i>For Equipment Base Roof Curbs, Add</i>	4,145.63	
23 74 13 00-0017	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	60,042.63	2,469.25
			<i>For Unit Without Heat, Deduct</i>	-7,521.82	
			<i>For Unit Economizer, Add</i>	7,007.17	
			<i>For Equipment Base Roof Curbs, Add</i>	4,750.63	
23 74 13 00-0018	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	69,387.91	2,721.22
			<i>For Unit Without Heat, Deduct</i>	-8,775.46	
			<i>For Unit Economizer, Add</i>	8,108.85	
			<i>For Equipment Base Roof Curbs, Add</i>	5,476.21	
23 74 13 00-0019	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	73,909.96	2,882.46
			<i>For Unit Without Heat, Deduct</i>	-9,355.50	
			<i>For Unit Economizer, Add</i>	8,638.40	
			<i>For Equipment Base Roof Curbs, Add</i>	5,831.75	
23 74 13 00-0020			Electric Cooling, Gas Heat, Packaged, Outdoor, Central-Station Air- Handling Units <small>(23 74 13)</small>		
23 74 13 00-0021			Electric Cooling, Gas Heat, Self Contained Package Rooftop Unit <small>(23 74 13 00-0020)</small> Note: Units up to 5 tons have 13 SEER. Units >5 to 19 tons have 11 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 13 00-0022	EA		2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	3,511.79 -156.94 -62.78 413.96 272.71	181.41
23 74 13 00-0023	EA		3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	3,432.30 -150.45 -60.18 403.41 268.01	211.65



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Packaged Outdoor HVAC Equipment	23 74

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0024 EA 4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,999.38	221.72
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-178.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-71.32	
<i>For Unit Economizer, Add</i>	471.26	
<i>For Equipment Base Roof Curb, Add</i>	310.79	
23 74 13 00-0025 EA 5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,526.24	272.12
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-199.10	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-79.64	
<i>For Unit Economizer, Add</i>	532.26	
<i>For Equipment Base Roof Curb, Add</i>	353.07	
23 74 13 00-0026 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,210.56	292.28
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-231.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-92.52	
<i>For Unit Economizer, Add</i>	613.58	
<i>For Equipment Base Roof Curb, Add</i>	405.41	
23 74 13 00-0027 EA 7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,610.87	312.44
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-299.30	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-119.72	
<i>For Unit Economizer, Add</i>	780.81	
<i>For Equipment Base Roof Curb, Add</i>	511.44	
23 74 13 00-0028 EA 8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,349.03	322.52
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-335.20	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-134.08	
<i>For Unit Economizer, Add</i>	868.98	
<i>For Equipment Base Roof Curb, Add</i>	567.30	
23 74 13 00-0029 EA 10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,783.35	332.60
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-356.41	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-142.57	
<i>For Unit Economizer, Add</i>	920.90	
<i>For Equipment Base Roof Curb, Add</i>	600.13	
23 74 13 00-0030 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,358.16	413.22
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-476.59	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-190.63	
<i>For Unit Economizer, Add</i>	1,226.45	
<i>For Equipment Base Roof Curb, Add</i>	797.52	
23 74 13 00-0031 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,861.26	493.85
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-593.68	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-237.47	
<i>For Unit Economizer, Add</i>	1,523.60	
<i>For Equipment Base Roof Curb, Add</i>	989.29	
23 74 13 00-0032 EA 18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,313.20	574.47
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-708.72	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-283.49	
<i>For Unit Economizer, Add</i>	1,814.81	
<i>For Equipment Base Roof Curb, Add</i>	1,176.96	
23 74 13 00-0033 EA 20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,783.44	645.03
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-824.17	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-329.67	
<i>For Unit Economizer, Add</i>	2,108.01	
<i>For Equipment Base Roof Curb, Add</i>	1,366.26	
23 74 13 00-0034 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,345.73	826.44
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-834.64	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-333.86	
<i>For Unit Economizer, Add</i>	2,168.43	
<i>For Equipment Base Roof Curb, Add</i>	1,417.25	
23 74 13 00-0035 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,197.47	1,007.85
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-859.09	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-343.64	
<i>For Unit Economizer, Add</i>	2,263.38	
<i>For Equipment Base Roof Curb, Add</i>	1,490.20	
23 74 13 00-0036 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,225.75	1,209.43
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,190.85	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-476.34	
<i>For Unit Economizer, Add</i>	3,098.91	
<i>For Equipment Base Roof Curb, Add</i>	2,027.15	
23 74 13 00-0037 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	32,288.42	1,511.78
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,463.24	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-585.30	
<i>For Unit Economizer, Add</i>	3,814.14	
<i>For Equipment Base Roof Curb, Add</i>	2,497.22	
23 74 13 00-0038 EA 60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	37,509.41	1,642.81
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,711.19	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-684.48	
<i>For Unit Economizer, Add</i>	4,435.42	
<i>For Equipment Base Roof Curb, Add</i>	2,895.35	
23 74 13 00-0039 EA 80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	53,406.06	1,975.40
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,473.27	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-989.31	
<i>For Unit Economizer, Add</i>	6,329.91	
<i>For Equipment Base Roof Curb, Add</i>	4,103.97	
23 74 13 00-0040 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	62,513.56	2,066.10
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,919.57	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,167.83	
<i>For Unit Economizer, Add</i>	7,419.18	
<i>For Equipment Base Roof Curb, Add</i>	4,791.57	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0041 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	67,315.44	2,267.68
For Hot Water Heating Coil Instead Of Gas, Deduct	-3,139.00	
For Steam Heating Coil Instead Of Gas, Deduct	-1,255.60	
For Unit Economizer, Add	7,987.15	
For Equipment Base Roof Curb, Add	5,162.04	
23 74 13 00-0042 Gas Cooling, Gas Heat, Self Contained Package Rooftop Unit <small>(23 74 13)</small>		
Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 13 00-0043 EA 2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,110.15	272.12
For Unit Economizer, Add	485.76	
For Equipment Base Roof Curb, Add	317.58	
23 74 13 00-0044 EA 3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,431.45	312.44
For Unit Economizer, Add	523.31	
For Equipment Base Roof Curb, Add	342.94	
23 74 13 00-0045 EA 4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,804.17	322.52
For Unit Economizer, Add	567.83	
For Equipment Base Roof Curb, Add	371.15	
23 74 13 00-0046 EA 5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,350.18	403.15
For Unit Economizer, Add	631.14	
For Equipment Base Roof Curb, Add	414.87	
23 74 13 00-0047 EA 6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,560.27	433.38
For Unit Economizer, Add	895.54	
For Equipment Base Roof Curb, Add	581.63	
23 74 13 00-0048 EA 7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,769.60	463.61
For Unit Economizer, Add	1,159.85	
For Equipment Base Roof Curb, Add	748.34	
23 74 13 00-0049 EA 10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,626.67	493.85
For Unit Economizer, Add	1,622.10	
For Equipment Base Roof Curb, Add	1,038.38	
23 74 13 00-0050 EA 12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,665.90	614.79
For Unit Economizer, Add	1,863.38	
For Equipment Base Roof Curb, Add	1,195.60	
23 74 13 00-0051 EA 15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,692.25	735.73
For Unit Economizer, Add	2,103.32	
For Equipment Base Roof Curb, Add	1,351.61	
23 74 13 00-0052 EA 18 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,038.29	856.68
For Unit Economizer, Add	2,741.82	
For Equipment Base Roof Curb, Add	1,756.34	
23 74 13 00-0053 EA 20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	28,390.90	967.54
For Unit Economizer, Add	3,380.91	
For Equipment Base Roof Curb, Add	2,161.82	
23 74 13 00-0054 EA 25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit.....	33,905.83	1,239.66
For Unit Economizer, Add	4,035.64	
For Equipment Base Roof Curb, Add	2,584.26	
23 74 13 00-0055 EA 30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	40,156.10	1,511.78
For Unit Economizer, Add	4,778.42	
For Equipment Base Roof Curb, Add	3,062.10	
23 74 13 00-0056 EA 40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,068.07	1,804.06
For Unit Economizer, Add	6,199.99	
For Equipment Base Roof Curb, Add	3,965.32	
23 74 13 00-0057 EA 50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	63,348.51	2,267.68
For Unit Economizer, Add	7,541.35	
For Equipment Base Roof Curb, Add	4,826.73	
23 74 13 00-0058 EA 60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	71,545.80	2,469.25
For Unit Economizer, Add	8,519.78	
For Equipment Base Roof Curb, Add	5,448.08	
23 74 13 00-0059 EA 80 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	117,423.27	2,953.02
For Unit Economizer, Add	14,011.98	
For Equipment Base Roof Curb, Add	8,905.26	
23 74 13 00-0060 EA 90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	138,082.75	3,094.12
For Unit Economizer, Add	16,487.49	
For Equipment Base Roof Curb, Add	10,459.26	
23 74 13 00-0061 EA 100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit.....	148,564.35	3,396.47
For Unit Economizer, Add	17,737.02	
For Equipment Base Roof Curb, Add	11,255.71	
23 74 13 00-0062 Heat Pump, Packaged, Outdoor, Central-Station Air-Handling Units <small>(23 74 13)</small>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 13 00-0063 Packaged Rooftop Heat Pump Units <small>(23 74 13 00-0062)</small>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 13 00-0064 EA 2 Ton Packaged Rooftop Heat Pump.....	4,610.93	413.22
For Economizer With Outside Air Control, Add	1,207.96	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	189.22	
23 74 13 00-0065 EA 2.5 Ton Packaged Rooftop Heat Pump.....	4,827.69	433.38
For Economizer With Outside Air Control, Add	1,268.10	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	197.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0066 EA 3 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,096.09 1,342.00 207.94	473.69
23 74 13 00-0067 EA 3.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,475.56 1,266.76 222.88	503.93
23 74 13 00-0068 EA 4 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,844.95 1,352.84 237.82	544.24
23 74 13 00-0069 EA 5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	6,269.72 1,454.99 203.62	584.56
23 74 13 00-0070 EA 6 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	7,077.78 1,615.64 1,265.95 174.84	624.87
23 74 13 00-0071 EA 7.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	9,374.43 1,626.64 1,546.10 241.62	655.10
23 74 13 00-0072 EA 8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	10,511.15 1,702.59 273.31	705.50
23 74 13 00-0073 EA 10 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	11,381.39 1,730.76 198.00	745.81
23 74 13 00-0074 EA 12.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	13,349.47 1,996.10 233.93	826.44
23 74 13 00-0075 EA 15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	15,307.46 2,256.40 269.87	907.07
23 74 13 00-0076 EA 17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	17,082.90 2,433.95 305.38	947.39
23 74 13 00-0077 EA 20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	19,019.60 2,692.12 340.88	987.70
 23 74 13 00-0078 AAON Rooftop Units <small>(23 74 13)</small>		
<small>Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. See CSI section 26 28 16 00-0001 for disconnects.</small>		
 23 74 13 00-0079 AAON RQ Rooftop Units <small>(23 74 13 00-0078)</small>		
<small>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.</small>		
23 74 13 00-0080 EA 2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,502.86 644.47 699.21 550.48 630.01 3,212.01 749.81	201.57
23 74 13 00-0081 EA 3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	5,925.81 690.94 749.81 589.73 675.45 3,212.01 749.81	211.65
23 74 13 00-0082 EA 4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,037.88 690.94 749.81 589.73 675.45 3,212.01 749.81	221.72
23 74 13 00-0083 EA 5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,139.63 690.94 749.81 589.73 675.45 3,212.01 749.81	241.89
23 74 13 00-0084 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,712.34 690.94 749.81 589.73 675.45 3,212.01 749.81	251.97

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0085 AAON RNA Rooftop Units <small>(23 74 13 00-0078)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0086 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	8,344.70	262.04
For Factory Installed And Wired Dry Bulb Economizer, Add	672.35	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,032.80	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	688.88	
For Factory Installed Non-Fused Disconnect, Add	636.20	
For Factory Installed Exhaust Fan, Add	1,715.48	
For Hot Water Coil In Lieu Of Gas Heat, Add	584.56	
23 74 13 00-0087 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	8,941.69	282.20
For Factory Installed And Wired Dry Bulb Economizer, Add	672.35	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,032.80	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	688.88	
For Factory Installed Non-Fused Disconnect, Add	636.20	
For Factory Installed Exhaust Fan, Add	1,715.48	
For Hot Water Coil In Lieu Of Gas Heat, Add	584.56	
23 74 13 00-0088 EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	10,332.91	302.35
For Factory Installed And Wired Dry Bulb Economizer, Add	672.35	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,032.80	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	688.88	
For Factory Installed Non-Fused Disconnect, Add	636.20	
For Factory Installed Exhaust Fan, Add	1,715.48	
For Hot Water Coil In Lieu Of Gas Heat, Add	584.56	
23 74 13 00-0089 EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	10,448.11	332.60
For Factory Installed And Wired Dry Bulb Economizer, Add	672.35	
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,032.80	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	688.88	
For Factory Installed Non-Fused Disconnect, Add	636.20	
For Factory Installed Exhaust Fan, Add	1,715.48	
For Hot Water Coil In Lieu Of Gas Heat, Add	584.56	
23 74 13 00-0090 AAON RNB Rooftop Units <small>(23 74 13 00-0078)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0091 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	12,591.17	332.60
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	990.46	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	774.60	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	1,635.96	
For Hot Water Coil In Lieu Of Gas Heat, Add	587.66	
23 74 13 00-0092 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	12,833.70	372.90
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	990.46	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	774.60	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	1,635.96	
For Hot Water Coil In Lieu Of Gas Heat, Add	587.66	
23 74 13 00-0093 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	13,965.72	413.22
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	990.46	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	774.60	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	1,635.96	
For Hot Water Coil In Lieu Of Gas Heat, Add	587.66	
23 74 13 00-0094 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	14,285.96	453.53
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	990.46	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	774.60	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	1,635.96	
For Hot Water Coil In Lieu Of Gas Heat, Add	587.66	
23 74 13 00-0095 AAON RNC Rooftop Units <small>(23 74 13 00-0078)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0096 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	18,799.37	493.85
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,462.44	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,032.80	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	3,000.28	
For Hot Water Coil In Lieu Of Gas Heat, Add	267.50	
23 74 13 00-0097 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	20,327.98	534.16
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,462.44	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,032.80	
For Factory Installed Non-Fused Disconnect, Add	614.52	
For Factory Installed Exhaust Fan, Add	3,000.28	
For Hot Water Coil In Lieu Of Gas Heat, Add	267.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0098 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020).....	21,551.67	574.47
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,462.44	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,032.80	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	614.52	
<i>For Factory Installed Exhaust Fan, Add</i>	3,000.28	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	267.50	
23 74 13 00-0099 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025).....	23,093.78	655.10
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,462.44	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,032.80	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	614.52	
<i>For Factory Installed Exhaust Fan, Add</i>	3,000.28	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	267.50	
23 74 13 00-0100 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030).....	26,069.42	745.81
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	1,462.44	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,032.80	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	614.52	
<i>For Factory Installed Exhaust Fan, Add</i>	3,000.28	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	267.50	
23 74 13 00-0101 AAON RND Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0102 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026).....	36,157.71	826.44
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0103 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031).....	41,039.88	907.07
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0104 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040).....	47,766.47	1,028.02
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0105 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050).....	55,558.13	1,159.03
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0106 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060).....	60,493.84	1,279.97
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0107 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070).....	63,572.82	1,400.92
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,291.00	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,398.41	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,962.32	
23 74 13 00-0108 AAON RNE Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0109 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055).....	59,791.77	1,562.18
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0110 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065).....	65,665.34	1,733.52
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0111 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075).....	69,818.51	1,894.77
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0112 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090).....	82,992.93	2,066.10
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0113 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105).....	89,393.30	2,267.68
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0114 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120).....	104,631.34	2,469.25
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0115	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	107,034.75	2,680.90
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0116	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	111,412.90	2,882.46
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,458.31	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	2,094.52	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	2,788.56	
23 74 13 00-0117			Heating Only Packaged Rooftop Units <small>(23 74 13)</small>		
			Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.		
23 74 13 00-0118	EA		24 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,274.87	312.44
			<i>For Gas Heat, Add</i>	146.74	
23 74 13 00-0119	EA		32 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,680.65	362.83
			<i>For Gas Heat, Add</i>	173.13	
23 74 13 00-0120	EA		45 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,585.81	372.90
			<i>For Gas Heat, Add</i>	236.09	
23 74 13 00-0121	EA		60 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,187.31	473.69
			<i>For Gas Heat, Add</i>	274.37	
23 74 13 00-0122	EA		95 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,948.48	544.24
			<i>For Gas Heat, Add</i>	324.62	
23 74 13 00-0123	EA		112 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,579.19	584.56
			<i>For Gas Heat, Add</i>	366.96	
23 74 13 00-0124	EA		140 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,615.66	634.95
			<i>For Gas Heat, Add</i>	438.30	
23 74 13 00-0125	EA		170 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,460.29	655.10
			<i>For Gas Heat, Add</i>	565.81	
23 74 13 00-0126	EA		200 MBH Electric Heating Only Self Contained Package Rooftop Unit	11,256.55	745.81
			<i>For Gas Heat, Add</i>	758.33	
23 74 13 00-0127	EA		230 MBH Electric Heating Only Self Contained Package Rooftop Unit	13,212.89	826.44
			<i>For Gas Heat, Add</i>	891.84	
23 74 13 00-0128	EA		270 MBH Electric Heating Only Self Contained Package Rooftop Unit	17,357.72	1,007.85
			<i>For Gas Heat, Add</i>	1,174.73	
23 74 13 00-0129	EA		330 MBH Electric Heating Only Self Contained Package Rooftop Unit	21,703.78	1,209.43
			<i>For Gas Heat, Add</i>	1,471.09	
23 74 13 00-0130	EA		360 MBH Electric Heating Only Self Contained Package Rooftop Unit	27,078.57	1,511.78
			<i>For Gas Heat, Add</i>	1,835.03	
23 74 13 00-0131	EA		450 MBH Electric Heating Only Self Contained Package Rooftop Unit	32,695.61	1,652.89
			<i>For Gas Heat, Add</i>	2,222.98	
23 74 13 00-0132	EA		540 MBH Electric Heating Only Self Contained Package Rooftop Unit	42,105.71	1,975.40
			<i>For Gas Heat, Add</i>	2,868.59	
23 74 23			Packaged, Outdoor, Heating-Only Make-up-Air Units <small>(23 74)</small>		
23 74 23 00-0001			Make-Up Air Units <small>(23 74 23)</small>		
			Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 23 00-0002			Gas-Fired Electric Spark Make-Up Air Units <small>(23 74 23 00-0001)</small>		
			Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 00-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,337.03	453.53
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,074.34	
			<i>For Equipment Base Roof Curb, Add</i>	347.95	
23 74 23 00-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,550.72	514.01
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,405.69	
			<i>For Equipment Base Roof Curb, Add</i>	442.26	
23 74 23 00-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,627.42	604.72
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,985.87	
			<i>For Equipment Base Roof Curb, Add</i>	602.29	
23 74 23 00-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,723.40	645.03
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,991.99	
			<i>For Equipment Base Roof Curb, Add</i>	611.76	
23 74 23 00-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,421.51	725.65
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,763.63	
			<i>For Equipment Base Roof Curb, Add</i>	817.90	
23 74 23 00-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	15,643.66	907.07
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,239.56	
			<i>For Equipment Base Roof Curb, Add</i>	1,218.63	
23 74 23 00-0009			Electric Make-Up Air Units <small>(23 74 23 00-0001)</small>		
			Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 00-0010	EA		33 KW 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	8,560.49	453.53
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,341.38	
			<i>For Equipment Base Roof Curb, Add</i>	664.71	
23 74 23 00-0011	EA		100 KW 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	12,142.14	514.01
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,383.12	
			<i>For Equipment Base Roof Curb, Add</i>	936.61	
23 74 23 00-0012	EA		150 KW 2 HP, 4,000 CFM Make-up Air Unit, Electric	15,014.44	604.72
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,201.97	
			<i>For Equipment Base Roof Curb, Add</i>	1,156.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 00-0013 EA 250 KW 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	19,380.85 5,451.43 1,489.85	725.65
23 74 23 00-0014 EA 400 KW 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add</i>	31,134.53 8,886.82 2,380.44	907.07

23 76 Evaporative Air-Cooling Equipment (23 70)

23 76 13 Direct Evaporative Air Coolers (23 76)

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)

Note: Includes motor, belt and pads.

23 76 13 00-0002 EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,130.76	306.97
23 76 13 00-0003 EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,333.58	358.14
23 76 13 00-0004 EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,700.91	409.30
23 76 13 00-0005 EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,858.46	460.46
23 76 13 00-0006 EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,126.42	511.62
23 76 13 00-0007 EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,295.01	562.78

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009 EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,025.56	301.66
23 76 13 00-0010 EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,090.43	311.42
23 76 13 00-0011 EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,520.38	432.50
23 76 13 00-0012 EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,185.32	510.53
23 76 13 00-0013 EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,709.88	747.42
23 76 13 00-0014 EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,511.86	797.24
23 76 13 00-0015 EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,064.06	896.90
23 76 13 00-0016 EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,221.46	1,121.12
23 76 13 00-0017 EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,419.95	1,465.53
23 76 13 00-0018 EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,190.83	1,494.82
23 76 13 00-0019 EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,669.89	1,660.95
23 76 13 00-0020 EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	11,816.07	2,595.21
23 76 13 00-0021 EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	13,146.03	2,708.02
23 76 13 00-0022 EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	14,496.49	2,831.10

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 00-0001 Packaged Terminal Air-Conditioners (23 81 13)

23 81 13 00-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)

23 81 13 00-0003 EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,184.86 -24.03 -40.06 -56.08	191.86
23 81 13 00-0004 EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,275.48 -24.44 -40.74 -57.04	230.60
23 81 13 00-0005 EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,352.04 -25.80 -43.00 -60.20	245.76
23 81 13 00-0006 EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,459.44 -27.94 -46.57 -65.19	264.16

23 81 13 00-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)

23 81 13 00-0008 EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner..... <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,265.23 -25.70 -42.84 -59.97	204.62
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	13 00-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,347.93	230.60
			<i>For >35 To 70, Deduct</i>	-26.62	
			<i>For >70 To 100, Deduct</i>	-44.36	
			<i>For >100, Deduct</i>	-62.11	
23 81	13 00-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,404.54	245.76
			<i>For >35 To 70, Deduct</i>	-27.37	
			<i>For >70 To 100, Deduct</i>	-45.62	
			<i>For >100, Deduct</i>	-63.87	
23 81	13 00-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,528.74	264.16
			<i>For >35 To 70, Deduct</i>	-30.02	
			<i>For >70 To 100, Deduct</i>	-50.03	
			<i>For >100, Deduct</i>	-70.04	
23 81	13 00-0012		Removal And Reinstallation Of Thru-Wall A/C Unit <small>(23 81 13)</small>		
			Note: Includes storage and cleaning.		
23 81	13 00-0013	EA	Remove And Reinstall Thru Wall Air Conditioning Unit.....	204.65	
23 81	13 00-0014	EA	Remove And Reinstall Window Air Conditioning Unit In Lower Sash	127.91	
23 81	13 00-0015	EA	Remove And Reinstall Window Air Conditioning Unit In Upper Sash	271.65	
23 81	13 00-0016		Thru Wall A/C Unit Sleeve <small>(23 81 13)</small>		
			Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81	13 00-0017	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	79.51	
23 81	13 00-0018	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	89.36	
23 81	13 00-0019	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	99.19	
23 81	13 00-0020		Single Package Vertical Wall Cooling Unit <small>(23 81 13)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81	13 00-0021	EA	1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,715.58	233.39
23 81	13 00-0022	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,214.21	244.50
23 81	13 00-0023	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,458.16	255.62
23 81	13 00-0024	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,263.67	277.84
23 81	13 00-0025	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,834.65	322.30
23 81	13 00-0026	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,450.89	400.09
23 81	13 00-0027	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	9,362.05	444.55
23 81	13 00-0028	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,313.26	500.12
23 81	13 00-0029	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,634.88	600.15
23 81	13 00-0030	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,019.26	744.62
23 81	13 00-0031	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	18,002.85	1,000.24
23 81	13 00-0032	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	25,097.79	1,222.52
23 81	13 00-0033	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,948.22	1,455.90
23 81	13 00-0034	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,511.13	1,633.73
23 81	16		Room Air-Conditioners <small>(23 81)</small>		
			Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81	16 00-0001		Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81	16 00-0002		Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81	16 00-0003		Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81	16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	433.88	107.44
			<i>For >10 To 50, Deduct</i>	-10.95	
			<i>For >50 To 75, Deduct</i>	-15.33	
			<i>For >75 To 100, Deduct</i>	-21.90	
			<i>For >100, Deduct</i>	-26.28	
23 81	16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	610.96	107.44
			<i>For >10 To 50, Deduct</i>	-11.45	
			<i>For >50 To 75, Deduct</i>	-16.03	
			<i>For >75 To 100, Deduct</i>	-22.90	
			<i>For >100, Deduct</i>	-27.48	
23 81	16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	493.88	107.44
			<i>For >10 To 50, Deduct</i>	-13.95	
			<i>For >50 To 75, Deduct</i>	-19.53	
			<i>For >75 To 100, Deduct</i>	-27.90	
			<i>For >100, Deduct</i>	-33.48	
23 81	16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	573.88	107.44
			<i>For >10 To 50, Deduct</i>	-17.95	
			<i>For >50 To 75, Deduct</i>	-25.13	
			<i>For >75 To 100, Deduct</i>	-35.90	
			<i>For >100, Deduct</i>	-43.08	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0008 EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	643.88	107.44
<i>For >10 To 50, Deduct</i>	-21.45	
<i>For >50 To 75, Deduct</i>	-30.03	
<i>For >75 To 100, Deduct</i>	-42.90	
<i>For >100, Deduct</i>	-51.48	
23 81 16 00-0009 EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	803.88	107.44
<i>For >10 To 50, Deduct</i>	-29.45	
<i>For >50 To 75, Deduct</i>	-41.23	
<i>For >75 To 100, Deduct</i>	-58.90	
<i>For >100, Deduct</i>	-70.68	
23 81 16 00-0010 EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	703.88	107.44
<i>For >10 To 50, Deduct</i>	-24.45	
<i>For >50 To 75, Deduct</i>	-34.23	
<i>For >75 To 100, Deduct</i>	-48.90	
<i>For >100, Deduct</i>	-58.68	
23 81 16 00-0011 EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	743.88	107.44
<i>For >10 To 50, Deduct</i>	-26.45	
<i>For >50 To 75, Deduct</i>	-37.03	
<i>For >75 To 100, Deduct</i>	-52.90	
<i>For >100, Deduct</i>	-63.48	
23 81 16 00-0012 EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	793.88	107.44
<i>For >10 To 50, Deduct</i>	-28.95	
<i>For >50 To 75, Deduct</i>	-40.53	
<i>For >75 To 100, Deduct</i>	-57.90	
<i>For >100, Deduct</i>	-69.48	
23 81 16 00-0013 EA 15,100 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	803.88	107.44
<i>For >10 To 50, Deduct</i>	-29.45	
<i>For >50 To 75, Deduct</i>	-41.23	
<i>For >75 To 100, Deduct</i>	-58.90	
<i>For >100, Deduct</i>	-70.68	
23 81 16 00-0014 EA 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	853.88	107.44
<i>For >10 To 50, Deduct</i>	-31.95	
<i>For >50 To 75, Deduct</i>	-44.73	
<i>For >75 To 100, Deduct</i>	-63.90	
<i>For >100, Deduct</i>	-76.68	
23 81 16 00-0015 EA 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233Q2)	913.88	107.44
<i>For >10 To 50, Deduct</i>	-34.95	
<i>For >50 To 75, Deduct</i>	-48.93	
<i>For >75 To 100, Deduct</i>	-69.90	
<i>For >100, Deduct</i>	-83.88	
23 81 16 00-0016 EA 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533Q2)	923.88	107.44
<i>For >10 To 50, Deduct</i>	-35.45	
<i>For >50 To 75, Deduct</i>	-49.63	
<i>For >75 To 100, Deduct</i>	-70.90	
<i>For >100, Deduct</i>	-85.08	
23 81 16 00-0017 EA 28,500 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FRA296ST2)	1,083.88	107.44
<i>For >10 To 50, Deduct</i>	-43.45	
<i>For >50 To 75, Deduct</i>	-60.83	
<i>For >75 To 100, Deduct</i>	-86.90	
<i>For >100, Deduct</i>	-104.28	
23 81 16 00-0018 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0019 EA 8,000 BTU, 11.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10B)	951.07	107.44
23 81 16 00-0020 EA 9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B)	977.36	107.44
23 81 16 00-0021 EA 12,000 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10B)	1,003.66	107.44
23 81 16 00-0022 EA 13,500 BTU, 10.8 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS14N10A)	1,082.53	107.44
23 81 16 00-0023 EA 12,100 BTU, 11.3 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30B)	1,003.66	107.44
23 81 16 00-0024 EA 15,200 BTU, 10.7 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS16N30)	1,056.24	107.44
23 81 16 00-0025 EA 17,200 BTU, 10.7 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30)	1,082.53	107.44
23 81 16 00-0026 EA 23,200 BTU, 8.5 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM24N30A)	1,214.00	107.44
23 81 16 00-0027 EA 27,600 BTU, 9.6 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B)	1,450.63	107.44
23 81 16 00-0028 EA 35,500 BTU, 9 EER, 220 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	1,660.97	107.44
23 81 16 00-0029 Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0030 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0029)</small>		
23 81 16 00-0031 EA 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FRA12EZU2)	773.88	107.44
<i>For >10 To 50, Deduct</i>	-27.95	
<i>For >50 To 75, Deduct</i>	-39.13	
<i>For >75 To 100, Deduct</i>	-55.90	
<i>For >100, Deduct</i>	-67.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0032	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222Q2).....	1,003.88	107.44
			<i>For >10 To 50, Deduct</i>	-39.45	
			<i>For >50 To 75, Deduct</i>	-55.23	
			<i>For >75 To 100, Deduct</i>	-78.90	
			<i>For >100, Deduct</i>	-94.68	
23 81 16 00-0033	EA		18,000 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822Q2).....	963.88	107.44
			<i>For >10 To 50, Deduct</i>	-37.45	
			<i>For >50 To 75, Deduct</i>	-52.43	
			<i>For >75 To 100, Deduct</i>	-74.90	
			<i>For >100, Deduct</i>	-89.88	
23 81 16 00-0034	EA		25,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522Q2).....	1,183.88	107.44
			<i>For >10 To 50, Deduct</i>	-48.45	
			<i>For >50 To 75, Deduct</i>	-67.83	
			<i>For >75 To 100, Deduct</i>	-96.90	
			<i>For >100, Deduct</i>	-116.28	
23 81 16 00-0035 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0029)					
23 81 16 00-0036	EA		7,900 BTU, 11.2 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EQ08N11B).....	973.88	107.44
23 81 16 00-0037	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,313.88	107.44
23 81 16 00-0038	EA		15,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES16N33).....	1,393.88	107.44
23 81 16 00-0039	EA		17,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM18N34).....	1,513.88	107.44
23 81 16 00-0040	EA		23,500 BTU, 8.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM24N34).....	1,653.88	107.44
23 81 16 00-0041	EA		36,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EM36N35B).....	2,263.88	107.44
23 81 16 00-0042 Accessories (23 81 16 00-0001)					
23 81 16 00-0043	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	400.37	59.54
23 81 16 00-0044 Through-The-Wall, Room Air-Conditioners (23 81 16)					
Note: Base unit excludes wall sleeve.					
23 81 16 00-0045 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0044)					
23 81 16 00-0046 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0045)					
23 81 16 00-0047	EA		8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	832.48	76.75
			<i>For >10 To 50, Deduct</i>	-33.95	
			<i>For >50 To 75, Deduct</i>	-47.53	
			<i>For >75 To 100, Deduct</i>	-67.90	
			<i>For >100, Deduct</i>	-81.48	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0048	EA		9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	882.48	76.75
			<i>For >10 To 50, Deduct</i>	-36.45	
			<i>For >50 To 75, Deduct</i>	-51.03	
			<i>For >75 To 100, Deduct</i>	-72.90	
			<i>For >100, Deduct</i>	-87.48	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0049	EA		11,500 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	1,002.48	76.75
			<i>For >10 To 50, Deduct</i>	-42.45	
			<i>For >50 To 75, Deduct</i>	-59.43	
			<i>For >75 To 100, Deduct</i>	-84.90	
			<i>For >100, Deduct</i>	-101.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0050	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	882.48	76.75
			<i>For >10 To 50, Deduct</i>	-36.45	
			<i>For >50 To 75, Deduct</i>	-51.03	
			<i>For >75 To 100, Deduct</i>	-72.90	
			<i>For >100, Deduct</i>	-87.48	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0051	EA		11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	1,002.48	76.75
			<i>For >10 To 50, Deduct</i>	-42.45	
			<i>For >50 To 75, Deduct</i>	-59.43	
			<i>For >75 To 100, Deduct</i>	-84.90	
			<i>For >100, Deduct</i>	-101.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0052	EA		15,600 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08C10D).....	1,052.48	76.75
			<i>For >10 To 50, Deduct</i>	-44.95	
			<i>For >50 To 75, Deduct</i>	-62.93	
			<i>For >75 To 100, Deduct</i>	-89.90	
			<i>For >100, Deduct</i>	-107.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0053				Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0044)</small>		
23 81 16 00-0054				Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0053)</small>		
23 81 16 00-0058	EA			10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10C33D).....	1,052.48	76.75
				<i>For >10 To 50, Deduct</i>	-44.95	
				<i>For >50 To 75, Deduct</i>	-62.93	
				<i>For >75 To 100, Deduct</i>	-89.90	
				<i>For >100, Deduct</i>	-107.88	
				<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 16 00-0059	EA			11,500 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12C33D).....	1,102.48	76.75
				<i>For >10 To 50, Deduct</i>	-47.45	
				<i>For >50 To 75, Deduct</i>	-66.43	
				<i>For >75 To 100, Deduct</i>	-94.90	
				<i>For >100, Deduct</i>	-113.88	
				<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	224.33	
23 81 23				Computer-Room Air-Conditioners <small>(23 81)</small>		
				Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 00-0001				Floor Mounted Air Cooled Direct Expansion Type <small>(23 81 23)</small>		
				Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 00-0002	EA			3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	20,397.41	2,184.02
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	2,139.72	
23 81 23 00-0003	EA			5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	22,505.95	2,388.77
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	2,362.87	
23 81 23 00-0004	EA			6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	30,776.62	2,730.02
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	3,339.52	
23 81 23 00-0005	EA			10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	36,493.02	3,071.27
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	3,990.62	
23 81 23 00-0006	EA			16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	41,066.99	3,685.52
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	4,438.24	
23 81 23 00-0007	EA			20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	46,322.48	4,095.03
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	5,028.97	
23 81 23 00-0008	EA			24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	48,681.35	4,368.04
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	5,265.26	
23 81 23 00-0009	EA			30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	56,992.38	4,914.03
				Note: Includes interior unit and remote condenser. Excludes piping.		
				<i>For Liebert Unit, Add</i>	6,210.44	
23 81 23 00-0010				Floor Mounted Chilled Water Type <small>(23 81 23)</small>		
				Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for chilled water source.		
23 81 23 00-0011	EA			3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	13,695.11	1,496.50
				<i>For Liebert Unit, Add</i>	1,462.47	
23 81 23 00-0012	EA			5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	14,743.14	1,657.66
				<i>For Liebert Unit, Add</i>	1,566.62	
23 81 23 00-0013	EA			12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	18,484.95	2,524.86
				<i>For Liebert Unit, Add</i>	1,889.81	
23 81 23 00-0014	EA			16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	19,282.94	2,558.11
				<i>For Liebert Unit, Add</i>	1,984.06	
23 81 23 00-0015	EA			20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	20,031.80	2,660.44
				<i>For Liebert Unit, Add</i>	2,058.86	
23 81 23 00-0016	EA			22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	20,598.62	2,916.25
				<i>For Liebert Unit, Add</i>	2,088.78	
23 81 23 00-0017	EA			31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	21,888.62	3,172.06
				<i>For Liebert Unit, Add</i>	2,208.47	
23 81 23 00-0018				Floor Mounted Water Source <small>(23 81 23)</small>		
				Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 00-0019	EA			3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	10,800.92	1,365.01
				<i>For Liebert Unit, Add</i>	1,095.12	
23 81 23 00-0020	EA			5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	11,846.92	1,433.26
				<i>For Liebert Unit, Add</i>	1,213.06	
23 81 23 00-0021	EA			6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	15,149.53	1,501.51
				<i>For Liebert Unit, Add</i>	1,613.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0022 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	16,342.48 1,735.34	1,638.01
23 81 23 00-0023 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	18,030.08 1,920.67	1,774.51
23 81 23 00-0024 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	18,778.79 1,988.06	1,911.01
23 81 23 00-0025 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	19,623.80 2,072.30	2,047.52
23 81 23 00-0026 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	20,220.90 2,122.85	2,184.02
23 81 23 00-0027 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	23,194.97 2,414.88	2,593.51
23 81 23 00-0028 Floor Mounted Glycol System Type ^(23 81 23) Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for water source.		
23 81 23 00-0029 EA 3 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	19,404.93 2,176.20	1,496.50
23 81 23 00-0030 EA 5 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	20,915.23 2,338.13	1,657.66
23 81 23 00-0031 EA 6 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	31,859.16 3,672.86	1,857.19
23 81 23 00-0032 EA 9 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	32,956.36 3,776.76	2,056.73
23 81 23 00-0033 EA 10 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	35,304.08 4,036.97	2,256.26
23 81 23 00-0034 EA 16 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	42,178.26 4,843.80	2,558.11
23 81 23 00-0035 EA 20 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	46,160.13 5,324.90	2,660.44
23 81 23 00-0036 EA 22 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	47,955.24 5,508.36	2,916.25
23 81 23 00-0037 EA 30 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	58,186.91 6,745.75	3,172.06
23 81 23 00-0038 Ceiling Mounted Packaged Computer Room Air Conditioner ^(23 81 23) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 00-0039 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	7,947.26 871.82	648.74
23 81 23 00-0040 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	8,827.97 957.49	779.10
23 81 23 00-0041 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	10,139.07 1,084.66	975.05
23 81 23 00-0042 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	12,417.51 1,339.01	1,137.55
23 81 23 00-0043 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	16,635.47 1,847.72	1,236.38
23 81 23 00-0044 Removal And Reinstallation Of Computer Room Unit ^(23 81 23) Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 00-0045 EA Remove And Reinstall Computer Room Unit, Chilled Water	2,046.49	
23 81 23 00-0046 EA Remove And Reinstall Computer Room Unit, Direct Expansion.....	1,705.40	
23 81 26 Split-System Air-Conditioners ^(23 81)		
23 81 26 00-0001 Split System A/C Unit ^(23 81 26) See CSI section 22 07 19 00-0494 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 00-0002 Ductless Split System Air Conditioners ^(23 81 26 00-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 00-0003 Wall Mounted Ductless Split System Air Conditioners ^(23 81 26 00-0002)		
23 81 26 00-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,836.15	337.67
23 81 26 00-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,991.12	368.37
23 81 26 00-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,474.55	409.30
23 81 26 00-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,749.84	450.23
23 81 26 00-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,167.47	491.16
23 81 26 00-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,831.79	511.62
23 81 26 00-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,296.09	545.39



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0011				Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
				Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 00-0012	EA			7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners 796.91	796.91	163.72
				Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0013	EA			9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners 843.31	843.31	173.96
				Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0014	EA			11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners 890.42	890.42	184.18
				Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0015	EA			17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners 1,002.84	1,002.84	194.42
				Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0016	EA			24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners 1,072.19	1,072.19	204.65
				Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0017	EA			19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners..... 2,144.86	2,144.86	245.58
				Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0018	EA			25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners..... 2,371.86	2,371.86	266.05
				Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0019	EA			30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners..... 3,704.13	3,704.13	286.51
				Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0020				Suspended Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
				Note: Excludes hangers.		
23 81 26 00-0021	EA			24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners 4,449.76	4,449.76	491.16
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0022	EA			31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners 5,423.33	5,423.33	586.32
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0023	EA			39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners 6,583.30	6,583.30	613.95
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0024				Recessed Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
				Note: Excludes hangers.		
23 81 26 00-0025	EA			11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners 2,765.22	2,765.22	409.30
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0026	EA			17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners 3,217.07	3,217.07	450.23
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0027	EA			24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners 4,444.44	4,444.44	532.08
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0028	EA			32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners 5,136.25	5,136.25	586.32
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0029	EA			39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners 6,439.76	6,439.76	613.95
				Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0030				Ductless Split System Accessories <small>(23 81 26 00-0002)</small>		
23 81 26 00-0031	LF			3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 8.94	8.94	1.47
23 81 26 00-0032	LF			4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 11.18	11.18	1.62
23 81 26 00-0033	LF			6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 13.65	13.65	1.78
23 81 26 00-0034	EA			3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 15.34	15.34	2.75
23 81 26 00-0035	EA			4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 24.37	24.37	3.02
23 81 26 00-0036	EA			6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 27.62	27.62	3.33
23 81 26 00-0037	EA			3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 36.54	36.54	5.51
23 81 26 00-0038	EA			4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 56.92	56.92	6.05
23 81 26 00-0039	EA			6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 63.43	63.43	6.65
23 81 26 00-0040	EA			3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 47.01	47.01	5.87
23 81 26 00-0041	EA			4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 54.64	54.64	6.45
23 81 26 00-0042	EA			6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 81.14	81.14	7.11
23 81 26 00-0043	EA			3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 36.54	36.54	5.51
23 81 26 00-0044	EA			4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 56.92	56.92	6.05
23 81 26 00-0045	EA			6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 63.43	63.43	6.65
23 81 26 00-0046	EA			3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 49.99	49.99	9.18
23 81 26 00-0047	EA			4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 69.15	69.15	10.09
23 81 26 00-0048	EA			6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 81.56	81.56	11.09
23 81 26 00-0049	EA			2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers 24.26	24.26	1.83
23 81 26 00-0050	EA			3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 30.69	30.69	5.51
23 81 26 00-0051	EA			4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 46.39	46.39	6.05
23 81 26 00-0052	EA			3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 28.35	28.35	5.51
23 81 26 00-0053	EA			4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 37.04	37.04	6.05
23 81 26 00-0054	EA			6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 40.05	40.05	6.65
23 81 26 00-0055	EA			4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 114.59	114.59	7.34
23 81 26 00-0056	EA			6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 129.68	129.68	8.07
23 81 26 00-0057	EA			14" Condensing Unit Mounting Blocks With End Caps 99.73	99.73	27.52
23 81 26 00-0058	EA			17" Condensing Unit Mounting Blocks With End Caps 108.80	108.80	29.34
23 81 26 00-0059	EA			36" Condensing Unit Mounting Blocks With End Caps 137.74	137.74	31.18
23 81 26 00-0060	EA			End Cap, Set of 4 11.68	11.68	
23 81 26 00-0061	EA			18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity 207.72	207.72	55.02
23 81 26 00-0062	EA			21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity 220.84	220.84	58.69
23 81 26 00-0063	LF			5/8" ID Condensate Drain Line 1.74	1.74	0.15
23 81 26 00-0064	LF			3/4" ID Condensate Drain Line 1.79	1.79	0.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0065			Cased A/C Evaporator Coils (23 81 26 00-0001)		
23 81 26 00-0066			Vertical Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0067	EA		1-1/2 Ton Vertical Cased A/C Evaporator Coil.....	454.84	108.26
23 81 26 00-0068	EA		2 Ton Vertical Cased A/C Evaporator Coil.....	477.75	116.38
23 81 26 00-0069	EA		2-1/2 Ton Vertical Cased A/C Evaporator Coil.....	555.00	124.50
23 81 26 00-0070	EA		3 Ton Vertical Cased A/C Evaporator Coil.....	623.67	132.62
23 81 26 00-0071	EA		3-1/2 Ton Vertical Cased A/C Evaporator Coil.....	706.94	138.03
23 81 26 00-0072	EA		4 Ton Vertical Cased A/C Evaporator Coil.....	778.78	143.45
23 81 26 00-0073	EA		4-1/2 Ton Vertical Cased A/C Evaporator Coil.....	836.66	154.27
23 81 26 00-0074	EA		5 Ton Vertical Cased A/C Evaporator Coil.....	849.11	162.39
23 81 26 00-0075			"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0076	EA		2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	536.52	110.97
23 81 26 00-0077	EA		2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	607.07	117.19
23 81 26 00-0078	EA		3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	685.48	124.50
23 81 26 00-0079	EA		3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	710.79	128.99
23 81 26 00-0080	EA		4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	744.43	135.33
23 81 26 00-0081	EA		4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	758.65	142.36
23 81 26 00-0082	EA		5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	772.58	149.39
23 81 26 00-0083			Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0084	EA		2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	482.18	110.97
23 81 26 00-0085	EA		3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	570.13	124.50
23 81 26 00-0086	EA		4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	651.01	135.33
23 81 26 00-0087	EA		5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....	771.63	149.39
23 81 26 00-0088			Mitsubishi City Multi, Variable Refrigerant Flow (23 81 26 00-0001)		
23 81 26 00-0089			Outdoor Units (23 81 26 00-0088)		
23 81 26 00-0090	EA		6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	13,277.28	537.20
23 81 26 00-0091	EA		8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	14,410.59	639.53
23 81 26 00-0092	EA		10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	16,228.17	767.43
23 81 26 00-0093	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	19,947.67	793.01
23 81 26 00-0094	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	26,420.50	818.59
23 81 26 00-0095	EA		14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	27,400.31	844.18
23 81 26 00-0096	EA		16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	28,380.13	869.76
23 81 26 00-0097	EA		18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	30,044.24	920.92
23 81 26 00-0098	EA		20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	31,708.32	972.09
23 81 26 00-0099	EA		22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	35,478.98	1,023.24
23 81 26 00-0100	EA		24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	39,249.64	1,074.40
23 81 26 00-0101			Indoor Units (23 81 26 00-0088)		
23 81 26 00-0102	EA		6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,241.23	166.27
23 81 26 00-0103	EA		8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,306.77	179.06
23 81 26 00-0104	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,366.01	191.86
23 81 26 00-0105	EA		15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	1,435.76	204.65
23 81 26 00-0106	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	1,566.14	243.02
23 81 26 00-0107	EA		24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	1,761.02	294.18
23 81 26 00-0108	EA		30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	1,907.88	319.77
23 81 26 00-0109	EA		6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E2).....	1,768.78	182.90
23 81 26 00-0110	EA		8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E2).....	1,834.78	196.97
23 81 26 00-0111	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E2).....	1,936.54	211.05
23 81 26 00-0112	EA		15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E2).....	2,099.30	225.11
23 81 26 00-0113	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E2).....	2,231.04	267.32
23 81 26 00-0114	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E2).....	2,464.54	323.60
23 81 26 00-0115	EA		27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E2).....	2,590.49	337.67
23 81 26 00-0116	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E2).....	2,729.06	351.74
23 81 26 00-0117	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E2).....	3,025.52	386.91
23 81 26 00-0118	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E2).....	3,352.15	425.60
23 81 26 00-0119	EA		54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E2).....	3,631.84	468.17
23 81 26 00-0120	EA		72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	4,563.68	514.98
23 81 26 00-0121	EA		96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	5,171.50	566.48
23 81 26 00-0122	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NBMU-ER2).....	1,976.50	211.05
23 81 26 00-0123	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NBMU-ER2).....	2,085.62	225.11
23 81 26 00-0124	EA		18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P18NBMU-ER2).....	2,217.37	267.32
23 81 26 00-0125	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P24NBMU-ER2).....	2,498.19	323.60
23 81 26 00-0126	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P30NBMU-ER2).....	2,692.25	351.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0127 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P36NBMU-ER2)	3,267.41	386.92
23 81 26 00-0128 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	1,806.64	182.90
23 81 26 00-0129 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	1,902.09	196.97
23 81 26 00-0130 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,043.81	211.05
23 81 26 00-0131 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,152.93	225.11
23 81 26 00-0132 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,686.49	196.97
23 81 26 00-0133 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,774.58	211.05
23 81 26 00-0134 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,866.87	225.11
23 81 26 00-0135 Controllers For Outdoor Units <small>(23 81 26 00-0088)</small>		
23 81 26 00-0136 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA)	5,856.79	153.48
23 81 26 00-0137 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA)	6,758.79	179.06
23 81 26 00-0138 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,836.41	204.65
23 81 26 00-0139 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,294.74	230.23
23 81 26 00-0140 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	3,424.96	102.33
23 81 26 00-0141 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,274.15	153.48
23 81 26 00-0142 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	8,060.04	230.23
23 81 26 00-0143 EA ME Remote Controller (Mitsubishi PAR-F27MEA-US)	497.02	20.46
23 81 26 00-0144 EA AG-150 Standard Package (Mitsubishi AG-150A-Standard)	4,728.01	20.46
23 81 26 00-0145 EA GB-50ADA Standard Package (Mitsubishi GB-50ADA-A)	2,900.16	20.46
23 81 26 00-0146 Energy Recovery Units <small>(23 81 26 00-0088)</small>		
23 81 26 00-0147 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NNU-E-AU)	4,359.17	153.48
23 81 26 00-0148 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NNU-E-BU)	8,182.10	153.48
23 81 26 00-0149 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	8,311.10	179.06
23 81 26 00-0150 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,770.26	127.91
23 81 26 00-0151 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,241.14	133.02
23 81 26 00-0152 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,662.58	138.14
23 81 26 00-0153 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E)	4,806.14	153.48
23 81 26 00-0154 Piping Specialties <small>(23 81 26 00-0088)</small>		
23 81 26 00-0155 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	599.47	
23 81 26 00-0156 EA Branch Joint (Mitsubishi CMY-Y102SS-G2)	182.13	41.13
23 81 26 00-0157 EA Branch Joint (Mitsubishi CMY-Y102LS-G2)	182.13	41.13
23 81 26 00-0158 EA Branch Joint (Mitsubishi CMY-Y202S-G2)	201.22	43.29
23 81 26 00-0159 EA Branch Joint (Mitsubishi CMY-Y302S-G2)	248.84	48.71
23 81 26 00-0160 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	328.94	70.35
23 81 26 00-0161 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	570.62	140.69
23 81 26 00-0162 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFS)	90.38	17.32
23 81 26 00-0163 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFS)	104.41	23.81
23 81 26 00-0164 Daikin VRV <small>(23 81 26 00-0001)</small>		
23 81 26 00-0165 Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0166 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ)	13,147.71	537.20
23 81 26 00-0167 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ)	14,729.15	639.53
23 81 26 00-0168 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ)	16,467.64	767.43
23 81 26 00-0169 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ)	20,437.34	793.01
23 81 26 00-0170 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ)	27,211.74	844.18
23 81 26 00-0171 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ)	28,745.60	869.76
23 81 26 00-0172 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ)	30,224.71	920.92
23 81 26 00-0173 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ)	31,809.71	972.09
23 81 26 00-0174 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ)	41,019.97	1,023.24
23 81 26 00-0175 EA 24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	42,604.98	1,074.40
23 81 26 00-0176 EA 26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	44,189.99	1,125.57
23 81 26 00-0177 EA 28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	45,669.10	1,176.73
23 81 26 00-0178 EA 30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	47,254.11	1,227.90
23 81 26 00-0179 Heat Recovery Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0180 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	16,846.05	698.37
23 81 26 00-0181 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	18,429.92	831.39
23 81 26 00-0182 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	20,317.10	997.67
23 81 26 00-0183 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	25,361.20	1,030.92
23 81 26 00-0184 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	34,072.63	1,097.43
23 81 26 00-0185 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	36,680.88	1,130.69
23 81 26 00-0186 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	38,084.78	1,197.20
23 81 26 00-0187 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	39,488.68	1,263.71
23 81 26 00-0188 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	51,747.96	1,330.21
23 81 26 00-0189 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	53,151.85	1,396.73
23 81 26 00-0190 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	55,826.63	1,463.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0191	EA		28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ).....	57,230.53	1,529.75
23 81 26 00-0192			Indoor Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0193	EA		7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU).....	1,597.04	179.06
23 81 26 00-0194	EA		9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU).....	1,666.22	184.18
23 81 26 00-0195	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU).....	1,872.40	191.86
23 81 26 00-0196	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU).....	2,120.59	243.02
23 81 26 00-0197	EA		24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU).....	2,348.81	294.18
23 81 26 00-0198	EA		7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU).....	2,288.27	196.97
23 81 26 00-0199	EA		9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU).....	2,364.46	202.60
23 81 26 00-0200	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU).....	2,482.27	112.55
23 81 26 00-0201	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU).....	2,669.76	267.32
23 81 26 00-0202	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU).....	3,168.97	323.60
23 81 26 00-0203	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU).....	3,609.92	351.74
23 81 26 00-0204	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU).....	3,866.09	386.91
23 81 26 00-0205	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU).....	4,018.40	425.60
23 81 26 00-0206	EA		7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU).....	2,542.05	196.97
23 81 26 00-0207	EA		9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU).....	2,603.25	202.60
23 81 26 00-0208	EA		12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU).....	2,765.01	211.05
23 81 26 00-0209	EA		18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU).....	2,982.48	267.32
23 81 26 00-0210			Branch Selector Boxes <small>(23 81 26 00-0164)</small>		
23 81 26 00-0211	EA		144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU).....	7,450.27	230.23
23 81 26 00-0212	EA		216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU).....	10,992.76	306.97
23 81 26 00-0213	EA		36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU).....	1,513.49	102.33
23 81 26 00-0214	EA		60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU).....	2,052.42	153.48
23 81 26 00-0215	EA		96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU).....	2,578.58	230.23
23 81 26 00-0216			Controllers <small>(23 81 26 00-0164)</small>		
23 81 26 00-0217	EA		Up To 16 Units, Navigation Controller (Daikin BRC1E71).....	529.36	20.46
23 81 26 00-0218	EA		Individual Zone Controller (Daikin BRC2A71).....	405.47	20.46
23 81 26 00-0219	EA		Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71).....	708.20	20.46
23 81 26 00-0220	EA		Up To 64 Units, Multizone Controller (Daikin DCS302C71).....	958.98	20.46
23 81 26 00-0221	EA		I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71).....	9,149.86	245.58
23 81 26 00-0222	EA		I-Touch Manager D3net Plus Adapter (Daikin DCM601A72).....	1,603.41	20.46
23 81 26 00-0223			Energy Recovery Units <small>(23 81 26 00-0164)</small>		
23 81 26 00-0224	EA		300 CFM Energy Recovery Unit (Daikin VAM300GVJU).....	2,612.72	127.91
23 81 26 00-0225	EA		470 CFM Energy Recovery Unit (Daikin VAM470GVJU).....	3,364.31	133.02
23 81 26 00-0226	EA		600 CFM Energy Recovery Unit (Daikin VAM600GVJU).....	4,009.96	138.14
23 81 26 00-0227	EA		1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU).....	7,402.68	153.48
23 81 43			Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001			Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.		
23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,840.54	166.71
			For Unit Economizer, Add	214.42	
			For >35 To 70, Deduct	-45.55	
			For >70 To 100, Deduct	-75.91	
			For >100, Deduct	-106.28	
			For Low Ambient Protection, 0 Degree F, Add	217.22	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,031.47	177.82
			For Unit Economizer, Add	236.89	
			For >35 To 70, Deduct	-50.61	
			For >70 To 100, Deduct	-84.35	
			For >100, Deduct	-118.09	
			For Low Ambient Protection, 0 Degree F, Add	237.96	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,448.49	177.82
			For Unit Economizer, Add	406.93	
			For >35 To 70, Deduct	-93.12	
			For >70 To 100, Deduct	-155.20	
			For >100, Deduct	-217.28	
			For Low Ambient Protection, 0 Degree F, Add	365.49	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,774.36	177.82
			For Unit Economizer, Add	445.59	
			For >35 To 70, Deduct	-102.23	
			For >70 To 100, Deduct	-170.38	
			For >100, Deduct	-238.53	
			For Low Ambient Protection, 0 Degree F, Add	193.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	4,268.95 504.49 -116.40 -194.00 -271.60 213.65	188.94
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	4,471.38 528.79 -122.47 -204.12 -285.77 627.96	200.05
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	5,033.42 595.79 -138.67 -231.11 -323.55 703.69	200.05
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	5,550.61 657.63 -153.85 -256.41 -358.98 772.26	211.16
23 81 43 00-0010 EA 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	6,393.28 757.41 -177.13 -295.21 -413.30 889.81	244.50
23 81 43 00-0011 EA 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	11,689.08 1,390.91 -333.00 -555.00 -777.00 1,590.26	288.96
23 81 43 00-0012 EA 10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	15,049.85 1,791.09 -429.16 -715.26 -1,001.37 329.21	366.75
23 81 43 00-0013 EA 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	18,366.57 2,187.54 -526.32 -877.21 -1,228.09 381.05	411.21
23 81 43 00-0014 EA 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	22,650.20 2,699.58 -651.83 -1,086.39 -1,520.94 447.89	466.78
23 81 43 00-0015 EA 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	30,150.52 3,598.06 -874.51 -1,457.51 -2,040.52 541.56	500.12
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	36,312.41 4,335.71 -1,056.70 -1,761.16 -2,465.63 624.52	544.58

23 81 43 00-0017

Single Package Vertical Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	2,825.53	222.28
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,421.50	244.50
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,412.74	255.62
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,056.44	277.84
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,318.35	322.30
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,753.15	366.75
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,337.67	411.21
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,255.33	455.66
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,312.90	544.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0027			Heat Pump, Room Air-Conditioners ^(23 81 43) Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028			Heat Pump, Window Unit, Room Air-Conditioners ^(23 81 43 00-0027)		
23 81 43 00-0029			Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) ^(23 81 43 00-0028)		
23 81 43 00-0030	EA		9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B) 1,343.88	107.44	
			For >10 To 50, Deduct	-56.45	
			For >50 To 75, Deduct	-79.03	
			For >75 To 100, Deduct	-112.90	
			For >100, Deduct	-135.48	
23 81 43 00-0031	EA		11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B)..... 1,563.88	107.44	
			For >10 To 50, Deduct	-67.45	
			For >50 To 75, Deduct	-94.43	
			For >75 To 100, Deduct	-134.90	
			For >100, Deduct	-161.88	
23 81 43 00-0032	EA		17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B)..... 1,763.88	107.44	
			For >10 To 50, Deduct	-77.45	
			For >50 To 75, Deduct	-108.43	
			For >75 To 100, Deduct	-154.90	
			For >100, Deduct	-185.88	
23 81 43 00-0033	EA		24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B)..... 1,993.88	107.44	
			For >10 To 50, Deduct	-88.95	
			For >50 To 75, Deduct	-124.53	
			For >75 To 100, Deduct	-177.90	
			For >100, Deduct	-213.48	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners ^(23 81 43 00-0027) Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) ^(23 81 43 00-0034)		
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D) 1,252.48	76.75	
			For >10 To 50, Deduct	-54.95	
			For >50 To 75, Deduct	-76.93	
			For >75 To 100, Deduct	-109.90	
			For >100, Deduct	-131.88	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	224.33	
23 81 43 00-0037	EA		12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33)..... 1,302.48	76.75	
			For >10 To 50, Deduct	-57.45	
			For >50 To 75, Deduct	-80.43	
			For >75 To 100, Deduct	-114.90	
			For >100, Deduct	-137.88	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	224.33	
23 81 46			Water-Source Unitary Heat Pumps ^(23 81)		
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps ^(23 81 46) Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 1,785.68	216.52	
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 1,835.37	216.52	
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 2,109.47	238.18	
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 2,231.17	259.82	
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 2,395.93	281.48	
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 2,792.58	303.14	
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 2,869.00	324.78	
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 3,122.12	346.44	
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 3,331.05	368.08	
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump 3,401.96	389.74	
23 81 49			Split System Heat Pumps ^(23 81)		
23 81 49 00-0001			Air Cooled, Outdoor Section ^(23 81 49)		
23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... 1,988.11	330.08	
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	377.99	
			For Winterstart Control, Add	109.53	
			For 16 SEER, Add	431.52	
			For 18 SEER, Add	654.72	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit..... 2,072.68	366.75	
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	396.81	
			For Winterstart Control, Add	116.25	
			For 16 SEER, Add	439.93	
			For 18 SEER, Add	667.48	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... 2,285.59	425.66	
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	440.12	
			For Winterstart Control, Add	130.10	
			For 16 SEER, Add	475.89	
			For 18 SEER, Add	722.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0005 EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,515.94 398.24 145.09 514.75 781.00	489.00
23 81 49 00-0006 EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,598.39 411.83 150.10 530.41 804.76	507.90
23 81 49 00-0007 EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	2,874.52 453.30 164.99 591.89 898.04	583.47
23 81 49 00-0008 EA 5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i> <i>For 16 SEER, Add</i> <i>For 18 SEER, Add</i>	3,254.88 346.12 115.07 678.02 1,028.72	641.82
23 81 49 00-0009 EA 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	6,244.63 516.88 154.54	716.28
23 81 49 00-0010 EA 10 Ton, 11.1 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	8,621.58 388.07 196.90	859.52
23 81 49 00-0011 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	11,323.35 437.88 241.85	1,002.78
23 81 49 00-0012 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	15,580.37 464.24 293.92	1,074.40
23 81 49 00-0013 Indoor Section, Horizontal Upflow <small>(23 81 49)</small> Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,084.10 97.41	109.49
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,197.97 106.15	136.40
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,255.19 109.02	164.75
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,686.10 149.30	192.88
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,735.40 151.77	217.44
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	1,926.53 167.70	249.67
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	4,087.04 367.77	409.30
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	5,997.99 553.76	460.46
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	8,388.53 787.69	511.62
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... <i>For Additional 5 KW Electric Heat, Add</i>	9,540.45 892.64	613.95
23 81 49 00-0024 Ductless Split System Heat Pumps <small>(23 81 49)</small> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,979.69	337.67
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,187.77	368.37
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,658.28	409.30
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,054.87	450.23
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,281.82	491.16
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,940.88	511.62
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,414.51	545.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	828.49	163.72
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	875.60	173.96
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	923.43	184.18
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,046.62	194.42
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,115.25	204.65
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,410.41	245.58
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,849.14	266.05
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	4,570.39	286.51
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	4,564.59	491.16
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	5,541.75	586.32
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	6,655.07	613.95
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,052.30	409.30
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,458.93	450.23
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,559.27	532.08
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,254.67	586.32
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	6,511.53	613.95
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 82 Convection Heating And Cooling Units <small>(23 80)</small>		
23 82 16 Air Coils <small>(23 82)</small>		
23 82 16 00-0001 Chilled Water Cooling Coils <small>(23 82 16)</small>		
Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002 2 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
23 82 16 00-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	824.44	54.13
23 82 16 00-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,343.96	73.61
23 82 16 00-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,834.54	115.84
23 82 16 00-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,258.91	165.64
23 82 16 00-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,441.71	203.53
23 82 16 00-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,761.01	246.83
23 82 16 00-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,993.01	285.81
23 82 16 00-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,276.35	504.93
23 82 16 00-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,900.25	191.95
23 82 16 00-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,526.01	326.84
23 82 16 00-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,839.83	405.98
23 82 16 00-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,195.86	490.32
23 82 16 00-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,528.21	570.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0016				4 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
	EA			12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,035.71	112.59
	EA			12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,646.45	162.39
	EA			24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,296.67	270.65
	EA			24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,881.38	401.65
	EA			30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,360.70	492.59
	EA			30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,011.49	601.93
	EA			30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,522.13	722.10
	EA			30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,560.73	840.54
	EA			34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,696.86	362.79
	EA			34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,525.28	545.64
	EA			34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,955.18	676.63
	EA			34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,510.26	815.21
	EA			34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,008.09	953.02
23 82 16 00-0030				6 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
	EA			12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,446.14	142.91
	EA			12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,747.84	212.19
	EA			24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,450.10	361.59
	EA			24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,378.10	541.30
	EA			30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,404.91	676.63
	EA			30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,068.28	832.53
	EA			30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,911.22	984.10
	EA			30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,837.87	1,146.81
	EA			34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,417.54	495.73
	EA			34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,482.71	743.54
	EA			34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,142.64	931.04
	EA			34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,781.17	1,118.45
	EA			34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,420.36	1,301.19
23 82 16 00-0044				8 Row Chilled Water Cooling Coils <small>(23 82 16 00-0001)</small>		
	EA			12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,801.99	172.13
	EA			12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,256.46	264.16
	EA			24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,439.43	470.94
	EA			24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,657.16	722.10
	EA			30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,625.66	902.90
	EA			30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,567.15	1,082.62
	EA			30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,509.87	1,202.78
	EA			30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,777.47	1,395.16
	EA			34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,937.69	604.10
	EA			34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,186.51	908.20
	EA			34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,954.14	1,131.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,693.95	1,353.27
23 82 16 00-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,479.36	1,592.09
23 82 16 00-0058 Direct Expansion Cooling Coils <small>(23 82 16)</small> Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059 2 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0060 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	708.31	81.20
For 10 Fins Per Inch, Add	10.91	
For 12 Fins Per Inch, Add	27.28	
23 82 16 00-0061 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,314.25	111.51
For 10 Fins Per Inch, Add	21.82	
For 12 Fins Per Inch, Add	54.55	
23 82 16 00-0062 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,834.54	175.38
For 10 Fins Per Inch, Add	29.71	
For 12 Fins Per Inch, Add	74.27	
23 82 16 00-0063 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,258.91	252.25
For 10 Fins Per Inch, Add	35.11	
For 12 Fins Per Inch, Add	87.77	
23 82 16 00-0064 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,644.07	308.54
For 10 Fins Per Inch, Add	40.51	
For 12 Fins Per Inch, Add	101.27	
23 82 16 00-0065 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,988.10	373.50
For 10 Fins Per Inch, Add	44.83	
For 12 Fins Per Inch, Add	112.07	
23 82 16 00-0066 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,431.64	433.04
For 10 Fins Per Inch, Add	51.31	
For 12 Fins Per Inch, Add	128.28	
23 82 16 00-0067 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,261.84	504.93
For 10 Fins Per Inch, Add	65.04	
For 12 Fins Per Inch, Add	162.60	
23 82 16 00-0068 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,634.15	191.95
For 10 Fins Per Inch, Add	25.00	
For 12 Fins Per Inch, Add	62.51	
23 82 16 00-0069 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,197.44	326.84
For 10 Fins Per Inch, Add	30.87	
For 12 Fins Per Inch, Add	77.18	
23 82 16 00-0070 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,807.11	490.32
For 10 Fins Per Inch, Add	36.53	
For 12 Fins Per Inch, Add	91.32	
23 82 16 00-0071 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,109.40	570.97
For 10 Fins Per Inch, Add	39.35	
For 12 Fins Per Inch, Add	98.37	
23 82 16 00-0072 4 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0058)</small>		
23 82 16 00-0073 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,151.83	112.59
For 10 Fins Per Inch, Add	18.53	
For 12 Fins Per Inch, Add	46.31	
23 82 16 00-0074 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,646.45	162.39
For 10 Fins Per Inch, Add	26.47	
For 12 Fins Per Inch, Add	66.16	
23 82 16 00-0075 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,296.67	270.65
For 10 Fins Per Inch, Add	35.11	
For 12 Fins Per Inch, Add	87.77	
23 82 16 00-0076 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,881.38	401.65
For 10 Fins Per Inch, Add	41.59	
For 12 Fins Per Inch, Add	103.97	
23 82 16 00-0077 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,360.70	492.59
For 10 Fins Per Inch, Add	47.53	
For 12 Fins Per Inch, Add	118.83	
23 82 16 00-0078 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,011.49	601.93
For 10 Fins Per Inch, Add	56.17	
For 12 Fins Per Inch, Add	140.43	
23 82 16 00-0079 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,522.13	722.10
For 10 Fins Per Inch, Add	61.57	
For 12 Fins Per Inch, Add	153.93	
23 82 16 00-0080 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,560.73	840.54
For 10 Fins Per Inch, Add	57.59	
For 12 Fins Per Inch, Add	143.98	
23 82 16 00-0081 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,696.86	362.79
For 10 Fins Per Inch, Add	39.43	
For 12 Fins Per Inch, Add	98.56	
23 82 16 00-0082 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,525.28	545.64
For 10 Fins Per Inch, Add	48.68	
For 12 Fins Per Inch, Add	121.70	
23 82 16 00-0083 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,466.26	959.74
For 10 Fins Per Inch, Add	70.93	
For 12 Fins Per Inch, Add	177.34	
23 82 16 00-0084 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,279.20	1,118.45
For 10 Fins Per Inch, Add	80.85	
For 12 Fins Per Inch, Add	202.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0085 6 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0085)</small>		
23 82 16 00-0086 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,473.15	141.82
For 10 Fins Per Inch, Add	23.77	
For 12 Fins Per Inch, Add	59.41	
23 82 16 00-0087 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,747.84	212.19
For 10 Fins Per Inch, Add	26.47	
For 12 Fins Per Inch, Add	66.16	
23 82 16 00-0088 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,585.13	361.59
For 10 Fins Per Inch, Add	37.27	
For 12 Fins Per Inch, Add	93.17	
23 82 16 00-0089 EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,378.10	541.30
For 10 Fins Per Inch, Add	45.91	
For 12 Fins Per Inch, Add	114.77	
23 82 16 00-0090 EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,404.91	676.63
For 10 Fins Per Inch, Add	61.03	
For 12 Fins Per Inch, Add	152.58	
23 82 16 00-0091 EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,068.28	832.53
For 10 Fins Per Inch, Add	68.05	
For 12 Fins Per Inch, Add	170.14	
23 82 16 00-0092 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,911.22	984.10
For 10 Fins Per Inch, Add	78.86	
For 12 Fins Per Inch, Add	197.14	
23 82 16 00-0093 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,837.87	1,146.81
For 10 Fins Per Inch, Add	70.88	
For 12 Fins Per Inch, Add	177.21	
23 82 16 00-0094 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,417.54	495.73
For 10 Fins Per Inch, Add	48.52	
For 12 Fins Per Inch, Add	121.31	
23 82 16 00-0095 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,482.71	743.54
For 10 Fins Per Inch, Add	59.91	
For 12 Fins Per Inch, Add	149.78	
23 82 16 00-0096 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,762.83	1,109.25
For 10 Fins Per Inch, Add	70.89	
For 12 Fins Per Inch, Add	177.22	
23 82 16 00-0097 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,420.36	1,301.19
For 10 Fins Per Inch, Add	76.36	
For 12 Fins Per Inch, Add	190.90	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0098)</small>		
23 82 16 00-0099 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,828.99	171.06
For 10 Fins Per Inch, Add	29.71	
For 12 Fins Per Inch, Add	74.27	
23 82 16 00-0100 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,256.46	264.16
For 10 Fins Per Inch, Add	34.57	
For 12 Fins Per Inch, Add	86.42	
23 82 16 00-0101 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,439.43	470.94
For 10 Fins Per Inch, Add	49.96	
For 12 Fins Per Inch, Add	124.90	
23 82 16 00-0102 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,657.16	722.10
For 10 Fins Per Inch, Add	64.27	
For 12 Fins Per Inch, Add	160.68	
23 82 16 00-0103 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,625.66	902.90
For 10 Fins Per Inch, Add	76.43	
For 12 Fins Per Inch, Add	191.07	
23 82 16 00-0104 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,567.15	1,082.62
For 10 Fins Per Inch, Add	88.04	
For 12 Fins Per Inch, Add	220.10	
23 82 16 00-0105 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,509.87	1,202.78
For 10 Fins Per Inch, Add	102.08	
For 12 Fins Per Inch, Add	255.20	
23 82 16 00-0106 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,777.47	1,395.16
For 10 Fins Per Inch, Add	79.74	
For 12 Fins Per Inch, Add	199.36	
23 82 16 00-0107 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,937.69	604.10
For 10 Fins Per Inch, Add	54.59	
For 12 Fins Per Inch, Add	136.47	
23 82 16 00-0108 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,186.51	908.20
For 10 Fins Per Inch, Add	67.40	
For 12 Fins Per Inch, Add	168.50	
23 82 16 00-0109 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,721.28	1,366.91
For 10 Fins Per Inch, Add	79.75	
For 12 Fins Per Inch, Add	199.37	
23 82 16 00-0110 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,479.36	1,592.09
For 10 Fins Per Inch, Add	85.90	
For 12 Fins Per Inch, Add	214.76	
23 82 16 00-0111 Hot Water Heating Coils <small>(23 82 16)</small>		
Note: Flanged construction.		
23 82 16 00-0112 1 Row Hot Water Heating Coils <small>(23 82 16 00-0112)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0113 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	886.73	146.15
For 10 Fins Per Inch, Add	11.88	
For 12 Fins Per Inch, Add	29.71	
For 230 PSIG Heavy Duty, Add	206.61	
23 82 16 00-0114 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,291.50	187.29
For 10 Fins Per Inch, Add	18.36	
For 12 Fins Per Inch, Add	45.91	
For 230 PSIG Heavy Duty, Add	295.63	
23 82 16 00-0115 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,595.77	257.66
For 10 Fins Per Inch, Add	21.60	
For 12 Fins Per Inch, Add	54.01	
For 230 PSIG Heavy Duty, Add	370.71	
23 82 16 00-0116 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,937.00	361.59
For 10 Fins Per Inch, Add	24.31	
For 12 Fins Per Inch, Add	60.76	
For 230 PSIG Heavy Duty, Add	459.57	
23 82 16 00-0117 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,216.38	433.04
For 10 Fins Per Inch, Add	27.01	
For 12 Fins Per Inch, Add	67.51	
For 230 PSIG Heavy Duty, Add	529.89	
23 82 16 00-0118 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,621.94	541.30
For 10 Fins Per Inch, Add	30.79	
For 12 Fins Per Inch, Add	76.97	
For 230 PSIG Heavy Duty, Add	632.65	
23 82 16 00-0119 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,931.26	600.85
For 10 Fins Per Inch, Add	34.57	
For 12 Fins Per Inch, Add	86.42	
For 230 PSIG Heavy Duty, Add	706.54	
23 82 16 00-0120 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,593.13	698.61
For 10 Fins Per Inch, Add	43.82	
For 12 Fins Per Inch, Add	109.54	
For 230 PSIG Heavy Duty, Add	858.86	
23 82 16 00-0121 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,551.36	302.70
For 10 Fins Per Inch, Add	18.92	
For 12 Fins Per Inch, Add	47.29	
For 230 PSIG Heavy Duty, Add	370.82	
23 82 16 00-0122 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,327.02	454.16
For 10 Fins Per Inch, Add	28.38	
For 12 Fins Per Inch, Add	70.94	
For 230 PSIG Heavy Duty, Add	556.23	
23 82 16 00-0123 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,502.08	686.91
For 10 Fins Per Inch, Add	42.56	
For 12 Fins Per Inch, Add	106.41	
For 230 PSIG Heavy Duty, Add	837.80	
23 82 16 00-0124 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,074.96	796.05
For 10 Fins Per Inch, Add	49.66	
For 12 Fins Per Inch, Add	124.14	
For 230 PSIG Heavy Duty, Add	974.20	
23 82 16 00-0125 SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	188.84	40.05
For 10 Fins Per Inch, Add	2.17	
For 12 Fins Per Inch, Add	5.44	
For 230 PSIG Heavy Duty, Add	45.78	
23 82 16 00-0126 2 Row Hot Water Heating Coils (23 82 16 00-0111)		
23 82 16 00-0127 EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,387.10	180.80
For 10 Fins Per Inch, Add	20.52	
For 12 Fins Per Inch, Add	51.31	
For 230 PSIG Heavy Duty, Add	313.51	
23 82 16 00-0128 EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,534.38	240.34
For 10 Fins Per Inch, Add	21.06	
For 12 Fins Per Inch, Add	52.66	
For 230 PSIG Heavy Duty, Add	354.99	
23 82 16 00-0129 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,099.03	361.59
For 10 Fins Per Inch, Add	27.55	
For 12 Fins Per Inch, Add	68.86	
For 230 PSIG Heavy Duty, Add	491.98	
23 82 16 00-0130 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,597.39	515.32
For 10 Fins Per Inch, Add	31.33	
For 12 Fins Per Inch, Add	78.32	
For 230 PSIG Heavy Duty, Add	622.58	
23 82 16 00-0131 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,029.03	636.57
For 10 Fins Per Inch, Add	35.11	
For 12 Fins Per Inch, Add	87.77	
For 230 PSIG Heavy Duty, Add	733.17	
23 82 16 00-0132 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,301.97	772.99
For 10 Fins Per Inch, Add	35.11	
For 12 Fins Per Inch, Add	87.77	
For 230 PSIG Heavy Duty, Add	815.05	
23 82 16 00-0133 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,748.77	902.90
For 10 Fins Per Inch, Add	38.89	
For 12 Fins Per Inch, Add	97.22	
For 230 PSIG Heavy Duty, Add	930.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0134 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	4,562.72 49.29 123.23 1,122.35	1,049.06
23 82 16 00-0135 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,969.29 21.28 53.20 484.38	452.64
23 82 16 00-0136 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,956.20 31.92 79.81 727.25	679.99
23 82 16 00-0137 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	4,444.61 47.88 119.71 1,093.96	1,025.24
23 82 16 00-0138 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	5,168.43 55.87 139.66 1,277.20	1,197.58
23 82 16 00-0139 Steam Heating Coils <small>(23 82 16)</small>		
Note: Flanged construction.		
23 82 16 00-0140 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	958.52 328.03 853.83	101.77
23 82 16 00-0141 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,091.37 383.65 994.01	140.73
23 82 16 00-0142 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,502.75 551.53 1,418.72	252.25
23 82 16 00-0143 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,937.00 725.45 1,859.95	361.59
23 82 16 00-0144 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,189.38 830.03 2,123.93	433.04
23 82 16 00-0145 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,513.92 970.70 2,476.66	541.30
23 82 16 00-0146 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,769.23 1,071.35 2,732.63	600.85
23 82 16 00-0147 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,387.73 1,296.79 3,313.19	701.21
23 82 16 00-0148 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,462.68 559.90 1,430.50	302.70
23 82 16 00-0149 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,194.01 839.85 2,145.75	454.16
23 82 16 00-0150 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,288.73 1,258.63 3,215.81	679.99
23 82 16 00-0151 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,842.19 1,471.07 3,758.35	796.05
23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units <small>(23 82 16)</small>		
Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 00-0153 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	1,119.36 169.06	137.49
23 82 16 00-0154 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	1,400.22 225.23	136.41
23 82 16 00-0155 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	1,699.60 281.40	146.15
23 82 16 00-0156 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	1,965.77 329.47	159.14
23 82 16 00-0157 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	1,980.47 329.47	166.72
23 82 16 00-0158 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	2,374.66 405.09	175.38
23 82 16 00-0159 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	2,473.12 415.89	197.04
23 82 16 00-0160 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	2,737.36 459.10	220.85
23 82 16 00-0161 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units <16,500 CFM, Add</i>	3,093.64 513.11	264.16
23 82 16 00-0162 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit..... <i>For Units >19,500 CFM, Add</i>	3,363.78 505.55	277.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0163	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit <i>For Units >19,500 CFM, Add</i>	4,257.97 661.10	293.38
23 82 16 00-0164	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit <i>For Units >19,500 CFM, Add</i>	5,446.92 836.10	401.65
23 82 16 00-0165	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit <i>For Units >19,500 CFM, Add</i>	6,833.63 1,052.90	492.59
23 82 16 00-0166	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit <i>For Units >19,500 CFM, Add</i>	7,911.77 1,238.88	515.32
23 82 16 00-0167	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit <i>For Units >19,500 CFM, Add</i>	9,291.10 1,455.88	600.85
23 82 16 00-0168 Standard Electric Slip-In Blast Coil Heater (23 82 16)					
23 82 16 00-0169 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 00-0168)					
23 82 16 00-0170	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	321.07	78.79
23 82 16 00-0171	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	334.18	84.93
23 82 16 00-0172	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	349.68	93.12
23 82 16 00-0173	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	354.90	96.18
23 82 16 00-0174	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	368.29	102.33
23 82 16 00-0175	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	383.70	110.51
23 82 16 00-0176	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	438.58	123.81
23 82 16 00-0177	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	451.07	129.96
23 82 16 00-0178	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	461.29	134.05
23 82 16 00-0179	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	476.26	142.23
23 82 16 00-0180	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	516.36	150.42
23 82 16 00-0181	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	545.48	164.75
23 82 16 00-0182	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	574.43	179.06
23 82 16 00-0183	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	603.20	193.39
23 82 16 00-0184	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	769.97	270.14
23 82 16 00-0185	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,235.25	287.53
23 82 16 00-0186	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,367.42	329.48
23 82 16 00-0187	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,598.39	365.30
23 82 16 00-0188	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,687.26	397.02
23 82 16 00-0189	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,849.04	435.90
23 82 16 00-0190	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,221.84	465.57
23 82 16 00-0191	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,432.74	500.37
23 82 16 00-0192	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,905.81	540.28
23 82 16 00-0193	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,257.52	587.34
23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 00-0168)					
23 82 16 00-0195	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	751.62	112.55
23 82 16 00-0196	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	787.16	122.79
23 82 16 00-0197	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	803.86	122.79
23 82 16 00-0198	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	842.50	135.06
23 82 16 00-0199	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,121.35	135.06
23 82 16 00-0200	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,148.07	135.06
23 82 16 00-0201	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,170.81	150.42
23 82 16 00-0202	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,199.23	168.84
23 82 16 00-0203	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,214.26	168.84
23 82 16 00-0204	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,409.44	193.39
23 82 16 00-0205	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,669.92	193.39
23 82 16 00-0206	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,823.84	225.11
23 82 16 00-0207	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,439.98	225.11
23 82 19 Fan Coil Units (23 82)					
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)					
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.					
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)					
23 82 19 00-0003	EA		200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,252.40	175.38
23 82 19 00-0004	EA		300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,388.27	204.62
23 82 19 00-0005	EA		400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,540.56	230.60
23 82 19 00-0006	EA		600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,784.68	264.16
23 82 19 00-0007	EA		800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,988.48 -106.64	277.15
23 82 19 00-0008	EA		1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,646.77 -108.89	293.38
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,189.27 -112.76	318.29
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)					
23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	746.82 -52.46	175.38
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet..... <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	903.31 -55.43	204.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,063.46	230.60
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.03	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,902.48	264.16
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.41	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,125.91	278.23
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.64	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,843.12	293.38
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.89	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,562.31	318.29
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.76	
23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small>		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,213.13	174.30
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-147.05	
<i>For Thru-Wall Sleeve, Add</i>	124.85	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.46	
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,390.23	204.62
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-167.68	
<i>For Thru-Wall Sleeve, Add</i>	136.71	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.43	
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,638.73	230.60
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-199.74	
<i>For Thru-Wall Sleeve, Add</i>	147.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.03	
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,882.85	264.16
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-229.62	
<i>For Thru-Wall Sleeve, Add</i>	160.62	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.41	
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,106.28	278.23
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-260.42	
<i>For Thru-Wall Sleeve, Add</i>	166.04	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.64	
23 82 19 00-0025 EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,646.77	293.38
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-338.50	
<i>For Thru-Wall Sleeve, Add</i>	172.04	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.89	
23 82 19 00-0026 EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,091.10	318.29
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-399.98	
<i>For Thru-Wall Sleeve, Add</i>	182.37	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.76	
23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028 EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,330.93	174.30
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-164.72	
<i>For Thru-Wall Sleeve, Add</i>	124.85	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.46	
23 82 19 00-0029 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,508.04	204.62
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-185.35	
<i>For Thru-Wall Sleeve, Add</i>	136.71	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.43	
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,835.07	230.60
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-229.19	
<i>For Thru-Wall Sleeve, Add</i>	147.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.03	
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,098.82	264.16
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-262.01	
<i>For Thru-Wall Sleeve, Add</i>	160.62	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.41	
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,322.25	278.23
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-292.82	
<i>For Thru-Wall Sleeve, Add</i>	166.04	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-106.64	
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,744.94	293.38
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-353.22	
<i>For Thru-Wall Sleeve, Add</i>	172.04	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-108.89	
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,189.27	318.29
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-414.71	
<i>For Thru-Wall Sleeve, Add</i>	182.37	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.76	
23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036 EA Remove And Reinstall Fan Coil Unit Horizontal Or Vertical.....	460.30	

23 82 29 Radiators (23 82)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 82 29 00-0001		Demolish Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002	LF	Demolish Cast Iron Radiator	32.46	
23 82 29 00-0003	EA	Cap Radiator.....	40.65	
23 82 29 00-0004		Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing.....	39.56	
		<i>For Wall Support Bracket, Add</i>	27.93	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing.....	54.37	
		<i>For Wall Support Bracket, Add</i>	29.34	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing.....	62.68	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing.....	77.85	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille.....	55.90	
23 82 29 00-0010		Radiator Covers <small>(23 82 29)</small>		
		Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	Stainless Steel Radiator Cover	71.11	5.56
23 82 29 00-0012	SF	Galvanized Steel Radiator Cover.....	46.11	5.56
		Note: Primed and painted.		
23 82 29 00-0013		Radiator Shields <small>(23 82 29)</small>		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield.....	455.53	5.56
23 82 29 00-0015	SF	Galvanized Steel Radiator Shield	34.53	5.56
		Note: Primed and painted.		
23 82 29 00-0016		Remove And Reinstall Radiator <small>(23 82 29)</small>		
		Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Remove And Reinstall Cast Iron Radiator	81.20	
23 82 29 00-0018	LF	Remove And Reinstall Electric Radiator	54.13	
23 82 29 00-0019	LF	Remove And Reinstall Hot Water Radiator.....	64.96	
23 82 33		Convectors <small>(23 82)</small>		
23 82 33 00-0001		Multi-Fin Convectors For Two-Pipe System <small>(23 82 33)</small>		
		Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		20" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	402.65	119.09
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	60.13	
		<i>For Snap-On Inlet Grille, Add</i>	46.09	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	77.77	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	468.43	129.92
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	65.05	
		<i>For Snap-On Inlet Grille, Add</i>	49.37	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	95.06	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	541.34	153.73
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	75.82	
		<i>For Snap-On Inlet Grille, Add</i>	56.54	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	108.02	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	645.15	178.63
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	87.19	
		<i>For Snap-On Inlet Grille, Add</i>	64.12	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	131.09	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	770.11	214.36
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	103.42	
		<i>For Snap-On Inlet Grille, Add</i>	74.94	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	155.89	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	863.28	235.79
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	113.15	
		<i>For Snap-On Inlet Grille, Add</i>	81.43	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	177.14	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0009 EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,009.89	285.81
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	135.87	
For Snap-On Inlet Grille, Add	96.58	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	201.94	
23 82 33 00-0010 EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,097.71	303.67
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	144.00	
For Snap-On Inlet Grille, Add	102.00	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	223.20	
23 82 33 00-0011 EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,202.39	339.40
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	160.22	
For Snap-On Inlet Grille, Add	112.81	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	240.92	
23 82 33 00-0012 EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,327.42	375.12
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	176.47	
For Snap-On Inlet Grille, Add	123.65	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	265.71	
23 82 33 00-0013 EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,432.14	410.85
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	192.70	
For Snap-On Inlet Grille, Add	134.47	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	283.43	
23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	481.84	156.65
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	76.48	
For Snap-On Inlet Grille, Add	56.99	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	86.42	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	564.62	181.99
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	87.85	
For Snap-On Inlet Grille, Add	64.57	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	102.13	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	679.43	213.71
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	102.09	
For Snap-On Inlet Grille, Add	74.06	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	125.70	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	789.49	238.29
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	113.12	
For Snap-On Inlet Grille, Add	81.41	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	151.35	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	915.79	267.95
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	126.47	
For Snap-On Inlet Grille, Add	90.31	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	179.98	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,019.48	290.25
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	136.54	
For Snap-On Inlet Grille, Add	97.03	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	204.52	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,162.77	330.73
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	154.98	
For Snap-On Inlet Grille, Add	109.32	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	233.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,262.84	350.98
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	163.97	
For Snap-On Inlet Grille, Add	115.31	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	257.70	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,368.13	382.70
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	178.03	
For Snap-On Inlet Grille, Add	124.68	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	278.15	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,497.29	413.78
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	192.23	
For Snap-On Inlet Grille, Add	134.15	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	306.78	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,598.33	442.25
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	205.01	
For Snap-On Inlet Grille, Add	142.67	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	327.24	
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	560.14	190.54
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	92.57	
For Snap-On Inlet Grille, Add	67.71	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	95.06	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	670.20	230.60
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	110.77	
For Snap-On Inlet Grille, Add	79.85	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	112.34	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	803.27	269.57
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	128.47	
For Snap-On Inlet Grille, Add	91.65	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	138.26	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	919.49	292.95
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	139.15	
For Snap-On Inlet Grille, Add	98.77	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	166.48	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,044.84	316.56
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	149.76	
For Snap-On Inlet Grille, Add	105.84	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	197.97	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,156.84	339.40
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	160.22	
For Snap-On Inlet Grille, Add	112.81	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	224.97	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,290.36	367.98
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	173.28	
For Snap-On Inlet Grille, Add	121.52	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	256.47	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,403.43	391.58
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	184.06	
For Snap-On Inlet Grille, Add	128.71	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	283.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,506.69	418.00
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	195.75	
<i>For Snap-On Inlet Grille, Add</i>	136.50	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	305.96	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,635.59	443.01
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	207.43	
<i>For Snap-On Inlet Grille, Add</i>	144.29	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	337.46	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,731.80	464.44
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	217.01	
<i>For Snap-On Inlet Grille, Add</i>	150.67	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	359.95	
23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	475.46	110.03
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	522.13	110.03
23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	543.67	110.03
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	615.47	110.03
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	678.29	110.03
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	777.02	110.03
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	124.26	61.13
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	126.42	61.13
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	145.80	61.13
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	151.19	61.13
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	290.68	42.23
<i>For 90 Degree Corner, Add</i>	50.85	
<i>For Valve Enclosure, Add</i>	50.85	
<i>For Filler Piece, Add</i>	43.85	
<i>For End Cap, Add</i>	34.56	
<i>For Copper Tube With Aluminum Fins, Add</i>	4.75	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	375.67	63.87
<i>For 90 Degree Corner, Add</i>	59.21	
<i>For Valve Enclosure, Add</i>	59.21	
<i>For Filler Piece, Add</i>	52.21	
<i>For End Cap, Add</i>	39.99	
<i>For Copper Tube With Aluminum Fins, Add</i>	7.13	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	443.47	84.44
<i>For 90 Degree Corner, Add</i>	64.13	
<i>For Valve Enclosure, Add</i>	64.13	
<i>For Filler Piece, Add</i>	57.13	
<i>For End Cap, Add</i>	43.18	
<i>For Copper Tube With Aluminum Fins, Add</i>	9.51	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	552.67	118.22
<i>For 90 Degree Corner, Add</i>	77.55	
<i>For Valve Enclosure, Add</i>	77.55	
<i>For Filler Piece, Add</i>	70.55	
<i>For End Cap, Add</i>	51.91	
<i>For Copper Tube With Aluminum Fins, Add</i>	11.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0014	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	661.79	142.04
			<i>For 90 Degree Corner, Add</i>	91.19	
			<i>For Valve Enclosure, Add</i>	91.19	
			<i>For Filler Piece, Add</i>	84.19	
			<i>For End Cap, Add</i>	60.77	
			<i>For Copper Tube With Aluminum Fins, Add</i>	14.07	
23 82 36 00-0015	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	740.03	151.56
			<i>For 90 Degree Corner, Add</i>	96.61	
			<i>For Valve Enclosure, Add</i>	96.61	
			<i>For Filler Piece, Add</i>	89.61	
			<i>For End Cap, Add</i>	64.30	
			<i>For Copper Tube With Aluminum Fins, Add</i>	16.88	
23 82 36 00-0016	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	816.22	167.48
			<i>For 90 Degree Corner, Add</i>	105.71	
			<i>For Valve Enclosure, Add</i>	105.71	
			<i>For Filler Piece, Add</i>	98.71	
			<i>For End Cap, Add</i>	70.21	
			<i>For Copper Tube With Aluminum Fins, Add</i>	18.57	
23 82 36 00-0017	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	930.16	189.46
			<i>For 90 Degree Corner, Add</i>	118.26	
			<i>For Valve Enclosure, Add</i>	118.26	
			<i>For Filler Piece, Add</i>	111.26	
			<i>For End Cap, Add</i>	78.37	
			<i>For Copper Tube With Aluminum Fins, Add</i>	21.39	
23 82 36 00-0018	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,025.28	208.41
			<i>For 90 Degree Corner, Add</i>	129.10	
			<i>For Valve Enclosure, Add</i>	129.10	
			<i>For Filler Piece, Add</i>	122.10	
			<i>For End Cap, Add</i>	85.41	
			<i>For Copper Tube With Aluminum Fins, Add</i>	23.64	
23 82 36 00-0019			1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0020	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	327.72	42.23
			<i>For 90 Degree Corner, Add</i>	50.85	
			<i>For Valve Enclosure, Add</i>	50.85	
			<i>For Filler Piece, Add</i>	43.85	
			<i>For End Cap, Add</i>	34.56	
			<i>For Copper Tube With Aluminum Fins, Add</i>	6.79	
23 82 36 00-0021	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	431.22	63.87
			<i>For 90 Degree Corner, Add</i>	59.21	
			<i>For Valve Enclosure, Add</i>	59.21	
			<i>For Filler Piece, Add</i>	52.21	
			<i>For End Cap, Add</i>	39.99	
			<i>For Copper Tube With Aluminum Fins, Add</i>	10.18	
23 82 36 00-0022	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	517.55	84.44
			<i>For 90 Degree Corner, Add</i>	64.13	
			<i>For Valve Enclosure, Add</i>	64.13	
			<i>For Filler Piece, Add</i>	57.13	
			<i>For End Cap, Add</i>	43.18	
			<i>For Copper Tube With Aluminum Fins, Add</i>	13.58	
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	644.89	118.22
			<i>For 90 Degree Corner, Add</i>	77.58	
			<i>For Valve Enclosure, Add</i>	77.58	
			<i>For Filler Piece, Add</i>	70.58	
			<i>For End Cap, Add</i>	51.93	
			<i>For Copper Tube With Aluminum Fins, Add</i>	16.89	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	771.25	142.04
			<i>For 90 Degree Corner, Add</i>	91.16	
			<i>For Valve Enclosure, Add</i>	91.16	
			<i>For Filler Piece, Add</i>	84.16	
			<i>For End Cap, Add</i>	60.75	
			<i>For Copper Tube With Aluminum Fins, Add</i>	20.10	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	871.61	151.56
			<i>For 90 Degree Corner, Add</i>	96.61	
			<i>For Valve Enclosure, Add</i>	96.61	
			<i>For Filler Piece, Add</i>	89.61	
			<i>For End Cap, Add</i>	64.30	
			<i>For Copper Tube With Aluminum Fins, Add</i>	24.12	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	960.61	167.48
			<i>For 90 Degree Corner, Add</i>	105.64	
			<i>For Valve Enclosure, Add</i>	105.64	
			<i>For Filler Piece, Add</i>	98.64	
			<i>For End Cap, Add</i>	70.16	
			<i>For Copper Tube With Aluminum Fins, Add</i>	26.53	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,096.82	189.46
			<i>For 90 Degree Corner, Add</i>	118.26	
			<i>For Valve Enclosure, Add</i>	118.26	
			<i>For Filler Piece, Add</i>	111.26	
			<i>For End Cap, Add</i>	78.37	
			<i>For Copper Tube With Aluminum Fins, Add</i>	30.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,208.84	208.41
<i>For 90 Degree Corner, Add</i>	128.97	
<i>For Valve Enclosure, Add</i>	128.97	
<i>For Filler Piece, Add</i>	121.97	
<i>For End Cap, Add</i>	85.33	
<i>For Copper Tube With Aluminum Fins, Add</i>	33.77	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	364.75	42.23
<i>For 90 Degree Corner, Add</i>	50.85	
<i>For Valve Enclosure, Add</i>	50.85	
<i>For Filler Piece, Add</i>	43.85	
<i>For End Cap, Add</i>	34.56	
<i>For Copper Tube With Aluminum Fins, Add</i>	8.83	
23 82 36 00-0031 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	486.78	63.87
<i>For 90 Degree Corner, Add</i>	59.21	
<i>For Valve Enclosure, Add</i>	59.21	
<i>For Filler Piece, Add</i>	52.21	
<i>For End Cap, Add</i>	39.99	
<i>For Copper Tube With Aluminum Fins, Add</i>	13.24	
23 82 36 00-0032 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	591.62	84.44
<i>For 90 Degree Corner, Add</i>	64.13	
<i>For Valve Enclosure, Add</i>	64.13	
<i>For Filler Piece, Add</i>	57.13	
<i>For End Cap, Add</i>	43.18	
<i>For Copper Tube With Aluminum Fins, Add</i>	17.65	
23 82 36 00-0033 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	736.99	118.22
<i>For 90 Degree Corner, Add</i>	77.58	
<i>For Valve Enclosure, Add</i>	77.58	
<i>For Filler Piece, Add</i>	70.58	
<i>For End Cap, Add</i>	51.93	
<i>For Copper Tube With Aluminum Fins, Add</i>	21.95	
23 82 36 00-0034 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	880.90	142.04
<i>For 90 Degree Corner, Add</i>	91.16	
<i>For Valve Enclosure, Add</i>	91.16	
<i>For Filler Piece, Add</i>	84.16	
<i>For End Cap, Add</i>	60.75	
<i>For Copper Tube With Aluminum Fins, Add</i>	26.13	
23 82 36 00-0035 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,003.18	151.56
<i>For 90 Degree Corner, Add</i>	96.61	
<i>For Valve Enclosure, Add</i>	96.61	
<i>For Filler Piece, Add</i>	89.61	
<i>For End Cap, Add</i>	64.30	
<i>For Copper Tube With Aluminum Fins, Add</i>	31.36	
23 82 36 00-0036 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,105.33	167.48
<i>For 90 Degree Corner, Add</i>	105.64	
<i>For Valve Enclosure, Add</i>	105.64	
<i>For Filler Piece, Add</i>	98.64	
<i>For End Cap, Add</i>	70.16	
<i>For Copper Tube With Aluminum Fins, Add</i>	34.49	
23 82 36 00-0037 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,263.48	189.46
<i>For 90 Degree Corner, Add</i>	118.26	
<i>For Valve Enclosure, Add</i>	118.26	
<i>For Filler Piece, Add</i>	111.26	
<i>For End Cap, Add</i>	78.37	
<i>For Copper Tube With Aluminum Fins, Add</i>	39.72	
23 82 36 00-0038 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,393.04	208.41
<i>For 90 Degree Corner, Add</i>	128.97	
<i>For Valve Enclosure, Add</i>	128.97	
<i>For Filler Piece, Add</i>	121.97	
<i>For End Cap, Add</i>	85.33	
<i>For Copper Tube With Aluminum Fins, Add</i>	43.90	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,239.88	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,257.10	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,274.32	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,291.53	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,308.75	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,325.97	138.93
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,343.88	138.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	185.60	92.25
23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,388.42	166.71
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,422.86	166.71
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,457.29	166.71
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,491.73	166.71
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,526.16	166.71
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,560.60	166.71
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,595.03	166.71
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	222.28	111.13
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,004.37	222.28
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,038.80	222.28
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,073.24	222.28
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,107.66	222.28
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,142.10	222.28
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,176.53	222.28
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	277.84	138.93
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,551.45	277.84
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,603.10	277.84
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,654.74	277.84
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,706.39	277.84
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,758.05	277.84
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,809.70	277.84
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,861.35	277.84
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	371.20	185.60
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,167.38	333.41
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,236.25	333.41
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,305.12	333.41
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,373.99	333.41
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,442.85	333.41
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,511.72	333.41
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,580.59	333.41
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	444.55	222.28
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Remove And Reinstall Up To 58" Cabinet Unit Heater, Floor or Wall.....	297.72	
23 82 39 13-0048 EA Remove And Reinstall >58" Cabinet Unit Heater, Floor or Wall.....	514.26	
23 82 39 13-0049 EA Remove And Reinstall Up To 58" Cabinet Unit Heater, Ceiling.....	613.84	
23 82 39 13-0050 EA Remove And Reinstall >58" Cabinet Unit Heater, Ceiling.....	830.36	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16		Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16) Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	649.19	108.26
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	650.37	108.26
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	718.21	108.26
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	897.09	162.39
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	931.80	162.39
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	983.48	162.39
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,193.47	216.52
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,297.59	216.52
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,363.85	216.52
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,417.49	216.52
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,615.68	270.65
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,633.83	270.65
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,651.19	270.65
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,780.69	324.78
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,916.36	324.78
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,191.23	378.91
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,682.66	378.91
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,871.29	433.04
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,376.14	433.04
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	174.41	27.07
		Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	943.64	108.26
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	981.10	162.39
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,049.34	162.39
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,299.97	216.52
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,367.01	216.52
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,659.21	324.78
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,761.75	324.78
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,847.74	324.78
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,073.69	378.91
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,175.46	378.91
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,381.33	378.91
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,785.50	487.17
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,470.20	487.17
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,680.03	487.17
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,181.12	541.30
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	232.79	27.07
		Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0040		Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041	EA	Remove And Reinstall Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	649.56	
23 82 39 16-0042	EA	Remove And Reinstall >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	866.10	
23 82 39 19		Wall and Ceiling Unit Heaters (23 82 39)		
23 82 39 19-0001		Electric Unit Heaters (23 82 39 19) Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	681.88	111.13
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	681.88	111.13
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	910.46	138.93
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,047.28	166.71
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,519.52	222.28
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,194.54	277.84
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,008.44	333.41
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,357.11	388.99
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	831.29	111.13
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	802.12	111.13
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	953.16	138.93
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,102.83	166.71
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt.....	1,630.63	222.28
23 82 39 19-0015		Electric Ceiling and Wall Heaters (23 82 39 19) Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	313.66	63.35
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	354.85	77.80
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	550.66	77.80
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	351.73	69.46
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	425.41	77.80

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	621.22	77.80
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	462.73	91.69
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	827.74	97.24
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater	925.68	97.24
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,069.76	102.80
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,155.75	102.80
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	513.60	91.69
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	907.87	97.24
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,005.81	97.24

23 82 39 19-0030 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0031 EA Remove And Reinstall Up To 15KW Electric Unit Heater	389.77	
23 82 39 19-0032 EA Remove And Reinstall >15 KW Electric Unit Heater.....	801.23	

23 83 Radiant Heating Units (23 80)**23 83 13 Radiant-Heating Electric Cables** (23 83)**23 83 13 00-0001 Self Regulating Heating Cable** (23 83 13)

23 83 13 00-0002 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	5.67	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.07	
23 83 13 00-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	6.20	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.20	
23 83 13 00-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable.....	6.66	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.32	
23 83 13 00-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	5.83	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.11	
23 83 13 00-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	6.34	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.24	
23 83 13 00-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable.....	6.87	0.70
Note: Tinned copper braid, @ 50° F.		
For TPE Covering, Add	1.37	
23 83 13 00-0008 EA Power Connection Kit	205.58	55.23
Note: Includes pre-set thermostat.		
23 83 13 00-0009 EA Splice And Tee Kit	205.58	55.23
23 83 13 00-0010 EA End Seal Kit	115.20	10.04
23 83 13 00-0011 EA Ambient Air Sensing Thermostat	310.75	25.10
23 83 13 00-0012 EA Line Sensing Thermostat	340.35	25.10
Note: Mechanical or electronic.		

23 84 Humidity Control Equipment (23 80)**23 84 13 Humidifiers** (23 84)**23 84 13 00-0001 Steam Type Pneumatically Controlled** (23 84 13)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 00-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,238.71	285.81
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	386.05	
23 84 13 00-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,238.71	285.81
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	386.05	
23 84 13 00-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,696.77	285.81
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	523.47	
23 84 13 00-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,805.03	357.27
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	559.55	
23 84 13 00-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,449.93	285.81
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	749.41	
23 84 13 00-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,558.19	357.27
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	785.50	
23 84 13 00-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,735.01	357.27
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,138.55	
23 84 13 00-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	3,870.34	447.12
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,183.66	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Decentralized Unitary HVAC Equipment		23 80
Humidity Control Equipment		23 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing ^(23 84 13) Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 00-0011 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	6,793.21	446.03
23 84 13 00-0012 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,534.18	447.12
23 84 13 00-0013 Residential Humidifiers ^(23 84 13) Note: Includes solenoid valve and flow through water supply.		
23 84 13 00-0014 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	397.57	54.13
23 84 16 Mechanical Dehumidification Units ^(23 84)		
23 84 16 16 Indoor, Mechanical Dehumidification Units ^(23 84 16)		
23 84 16 16-0001 Mechanical Dehumidification Units ^(23 84 16 16) Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,228.42	55.57
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,539.19	64.82
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,047.23	74.09
23 84 16 33 Portable Dehumidifiers ^(23 84 16)		
23 84 16 33-0001 Self Contained Free Standing Unit ^(23 84 16 33) Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 12 Pint/24 Hour Dehumidifier.....	508.12	120.05
23 84 16 33-0003 EA 15 Pint/24 Hour Dehumidifier.....	544.33	120.05
23 84 16 33-0004 EA 20 Pint/24 Hour Dehumidifier.....	609.51	120.05
23 84 16 33-0005 EA 30 Pint/24 Hour Dehumidifier.....	689.17	120.05
23 84 16 33-0006 EA 40 Pint/24 Hour Dehumidifier.....	725.38	120.05
23 84 16 33-0007 EA 65 Pint/24 Hour Dehumidifier.....	795.71	120.05

END OF SECTION 23

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 00-0001 Retrofit Distribution Enclosures ^(26 01 10)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 00-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	296.41	
		Note: 2mm thick, aluminum frame, hinged cover.		
		<i>For Up To 20, Add</i>	58.69	
		<i>For > 20 To 50, Add</i>	46.95	
		<i>For > 50 To 100, Add</i>	23.47	
26 01 10 00-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	380.55	
		Note: 2mm thick, aluminum frame, hinged cover.		
		<i>For Up To 20, Add</i>	79.72	
		<i>For > 20 To 50, Add</i>	63.78	
		<i>For > 50 To 100, Add</i>	31.89	
26 01 10 00-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	565.64	
		Note: 4mm thick, aluminum frame, hinged cover.		
		<i>For Up To 20, Add</i>	125.99	
		<i>For > 20 To 50, Add</i>	100.79	
		<i>For > 50 To 100, Add</i>	50.40	
26 01 10 00-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	294.01	
		Note: 2mm thick, aluminum frame, twist cover.		
		<i>For Up To 20, Add</i>	58.09	
		<i>For > 20 To 50, Add</i>	46.47	
		<i>For > 50 To 100, Add</i>	23.23	
26 01 10 00-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	295.49	
		Note: 2mm thick, aluminum frame, twist cover.		
		<i>For Up To 20, Add</i>	58.46	
		<i>For > 20 To 50, Add</i>	46.76	
		<i>For > 50 To 100, Add</i>	23.38	
26 01 10 00-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	373.69	
		Note: 2mm thick, aluminum frame, twist cover.		
		<i>For Up To 20, Add</i>	78.01	
		<i>For > 20 To 50, Add</i>	62.40	
		<i>For > 50 To 100, Add</i>	31.20	
26 01 10 00-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	550.43	
		Note: 4mm thick, aluminum frame, twist cover.		
		<i>For Up To 20, Add</i>	122.19	
		<i>For > 20 To 50, Add</i>	97.75	
		<i>For > 50 To 100, Add</i>	48.88	
26 01 10 00-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	235.83	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		<i>For Up To 20, Add</i>	43.54	
		<i>For > 20 To 50, Add</i>	34.83	
		<i>For > 50 To 100, Add</i>	17.42	
26 01 10 00-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	326.70	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		<i>For Up To 20, Add</i>	66.26	
		<i>For > 20 To 50, Add</i>	53.01	
		<i>For > 50 To 100, Add</i>	26.50	
26 01 10 00-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	459.21	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		<i>For Up To 20, Add</i>	99.39	
		<i>For > 20 To 50, Add</i>	79.51	
		<i>For > 50 To 100, Add</i>	39.75	
26 01 10 00-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	419.89	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		<i>For Up To 20, Add</i>	89.56	
		<i>For > 20 To 50, Add</i>	71.64	
		<i>For > 50 To 100, Add</i>	35.82	
26 01 10 00-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	571.92	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		<i>For Up To 20, Add</i>	127.56	
		<i>For > 20 To 50, Add</i>	102.05	
		<i>For > 50 To 100, Add</i>	51.03	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 00-0014 EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,036.26	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	243.65	
For > 20 To 50, Add	194.92	
For > 50 To 100, Add	97.46	
26 01 10 00-0015 EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	480.32	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	104.66	
For > 20 To 50, Add	83.73	
For > 50 To 100, Add	41.87	
26 01 10 00-0016 EA 4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	700.45	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	159.70	
For > 20 To 50, Add	127.76	
For > 50 To 100, Add	63.88	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 00-0001 Lock Out/Tag Out Devices <small>(26 01 20)</small>		
Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 00-0002 EA Lock Out/Tag Out Local Disconnect	25.10	
26 01 20 00-0003 EA Lock Out/Tag Out Breaker Or Motor Starter	25.10	
26 01 20 00-0004 EA Lock Out/Tag Out Tags.....	2.94	
26 01 20 00-0005 Existing Circuit Tracing <small>(26 01 20)</small>		
26 01 20 00-0006 EA Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	20.89	
26 01 20 00-0007 EA Lighting, Existing Circuit Tracing Per Circuit.....	20.89	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 00-0001 Emergency Generator Permits <small>(26 01 30)</small>		
26 01 30 00-0002 Air Pollution Control Board <small>(26 01 30 00-0001)</small>		
26 01 30 00-0003 EA APCD Permit To Construct And Operate Emergency Generator.....	2,443.70	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 51-0002 Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003 EA 300 Watt, T3, Tungsten Halogen Lamp	41.21	
26 01 50 51-0004 EA 500 Watt, T3, Tungsten Halogen Lamp	54.39	
26 01 50 51-0005 EA 1,000 Watt, T3, Tungsten Halogen Lamp	82.95	
26 01 50 51-0006 EA 60 Watt, PAR38, Halogen Lamp	17.72	
26 01 50 51-0007 EA 75 Watt, PAR38, Halogen Lamp	17.72	
26 01 50 51-0008 EA 90 Watt, PAR38, Halogen Lamp	16.55	
26 01 50 51-0009 EA 100 Watt, PAR38, Halogen Lamp	16.55	
26 01 50 51-0010 EA 60-67 Watt, PAR38, Halogen IR Reflective Lamp.....	26.54	
26 01 50 51-0011 EA 70 Watt, PAR38, Halogen IR Reflective Lamp.....	25.36	
26 01 50 51-0012 EA 90 Watt, PAR38, Halogen IR Reflective Lamp.....	31.23	
26 01 50 51-0013 EA 100 Watt, PAR38, Halogen IR Reflective Lamp.....	31.55	
26 01 50 51-0014 Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0015 EA 100 Watt, Frosted, Interior Incandescent Lamp	3.92	
For Multiple Lamps In Fixture, Deduct	-1.07	
26 01 50 51-0016 EA 150 Watt, Frosted, Interior Incandescent Lamp	5.43	
For Multiple Lamps In Fixture, Deduct	-1.07	
26 01 50 51-0017 EA 200 Watt, Frosted, Interior Incandescent Lamp	7.11	
For Multiple Lamps In Fixture, Deduct	-1.07	
26 01 50 51-0018 EA 300 Watt, PS25, Interior Incandescent Lamp	9.21	
For Multiple Lamps In Fixture, Deduct	-1.07	
26 01 50 51-0019 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	6.38	
For Multiple Lamps In Fixture, Deduct	-1.07	
26 01 50 51-0020 EA 75 Watt, R20, Interior Incandescent Lamp	10.90	
For Multiple Lamps In Fixture, Deduct	-1.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0021 EA 75 Watt, PAR38, Exterior Incandescent Lamp.....	13.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.28	
26 01 50 51-0022 EA 100 Watt, PAR38, Exterior Incandescent Lamp.....	12.68	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.28	
26 01 50 51-0023 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	23.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.28	
26 01 50 51-0024 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	51.53	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.49	
26 01 50 51-0025 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	59.72	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.49	
26 01 50 51-0026 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0027 EA Convert Exit Light Lamps To Red LED Lamps	69.44	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0028 EA Fluorescent Lamp For Exit Light.....	20.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.25	
26 01 50 51-0029 EA Lamp Replacement For Emergency Lights On Exit Sign	33.17	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.13	
26 01 50 51-0030 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0031 EA 18", 15 Watt, T8 Fluorescent Lamp	6.69	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0032 EA 2', 17 Watt, T8 Fluorescent Lamp	8.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0033 EA 3', 25 Watt, T8 Fluorescent Lamp	9.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0034 EA 4', 32 Watt, T8 Fluorescent Lamp	9.12	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0035 EA 4', 30 Watt, T8 Fluorescent Lamp	11.47	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0036 EA 4', 28 Watt, T8 Fluorescent Lamp	10.08	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0037 EA 4', 25 Watt, T8 Fluorescent Lamp	10.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0038 EA 4', 44 Watt, T8HO Fluorescent Lamp.....	16.00	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0039 EA 8', 59 Watt, T8 Fluorescent Lamp	12.25	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0040 EA 18", 15 Watt, T12 Fluorescent Lamp	10.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0041 EA 2', 20 Watt, T12 Fluorescent Lamp	7.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0042 EA 3', 30 Watt, T12 Fluorescent Lamp	8.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0043 EA 4', 34 Watt, T12 Fluorescent Lamp	8.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0044 EA 4', 40 Watt, T12 Fluorescent Lamp	8.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0045 EA 8', 60 Watt, T12 Fluorescent Lamp	12.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0046 EA 8', 75 Watt, T12 Fluorescent Lamp	10.64	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0047 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	17.92	
26 01 50 51-0048 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	10.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0049 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	8.37	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0050 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	8.10	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0051 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	8.94	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0052 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	14.70	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.13	
26 01 50 51-0053 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	14.18	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.13	
26 01 50 51-0054 EA 6", 4 Watt, T5 Fluorescent Lamp	7.40	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0055 EA 9", 6 Watt, T5 Fluorescent Lamp	7.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0056 EA 12", 8 Watt, T5 Fluorescent Lamp	7.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0057 EA 21", 13 Watt, T5 Fluorescent Lamp	7.85	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0058 EA 24", 14 Watt, T5 Fluorescent Lamp	9.02	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0059 EA 34", 21 Watt, T5 Fluorescent Lamp	9.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0060 EA 46", 28 Watt, T5 Fluorescent Lamp	9.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0061 EA 46", 54 Watt T5HO Fluorescent Lamp	10.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.91	
26 01 50 51-0062 EA 46", 54 Watt T5 Fluorescent Lamp	11.64	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0063 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	5.83	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.07	
26 01 50 51-0064 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	6.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.07	
26 01 50 51-0065 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	13.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.07	
26 01 50 51-0066 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	17.14	
26 01 50 51-0067 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	17.14	
26 01 50 51-0068 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin.....	32.11	
26 01 50 51-0069 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	11.71	
26 01 50 51-0070 EA 9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In	5.22	
26 01 50 51-0071 EA 29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In	5.22	
26 01 50 51-0072 EA 33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In	22.22	
26 01 50 51-0073 EA 43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In	24.23	
26 01 50 51-0074 EA 85 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	46.05	
26 01 50 51-0075 EA 105 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	55.14	
26 01 50 51-0076 EA 11 Watt Compact Fluorescent Reflector Lamps, Screw-In	20.75	
26 01 50 51-0077 EA 15 Watt Compact Fluorescent Reflector Lamps, Screw-In	21.64	
26 01 50 51-0078 EA 20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In	24.97	
26 01 50 51-0079 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0080 EA 50 Watt, Pulse Start Metal Halide Lamp	23.93	
<i>For Pulse Start Lamps, Add</i>	1.30	
26 01 50 51-0081 EA 70 Watt, Pulse Start Metal Halide Lamp	27.70	
<i>For Pulse Start Lamps, Add</i>	1.68	
26 01 50 51-0082 EA 100 Watt, Pulse Start Metal Halide Lamp	28.71	
<i>For Pulse Start Lamps, Add</i>	1.78	
26 01 50 51-0083 EA 150 Watt, Pulse Start Metal Halide Lamp	30.33	
<i>For Pulse Start Lamps, Add</i>	1.94	
26 01 50 51-0084 EA 175 Watt, Probe Start Metal Halide Lamp.....	26.38	
26 01 50 51-0085 EA 175 Watt, Pulse Start Metal Halide Lamp	35.17	
26 01 50 51-0086 EA 250 Watt, Probe Start Metal Halide Lamp.....	24.06	
26 01 50 51-0087 EA 250 Watt, Pulse Start Metal Halide Lamp	32.35	
26 01 50 51-0088 EA 400 Watt, Probe Start Metal Halide Lamp	26.63	
26 01 50 51-0089 EA 400 Watt, Pulse Start Metal Halide Lamp	32.60	
26 01 50 51-0090 EA 1,000 Watt, Probe Start Metal Halide Lamp	33.58	
26 01 50 51-0091 EA 1,000 Watt, Pulse Start Metal Halide Lamp	36.95	
26 01 50 51-0092 EA 1,500 Watt, Probe Start Metal Halide Lamp.....	41.29	
26 01 50 51-0093 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0094 EA 35 Watt, High Pressure Sodium Lamp.....	23.19	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0095 EA 50 Watt, High Pressure Sodium Lamp.....	23.19	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0096 EA 70 Watt, High Pressure Sodium Lamp.....	23.50	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0097 EA 100 Watt, High Pressure Sodium Lamp	24.16	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0098 EA 150 Watt, High Pressure Sodium Lamp	24.73	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0099 EA 250 Watt, High Pressure Sodium Lamp	23.31	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0100 EA 400 Watt, High Pressure Sodium Lamp	25.31	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.64	
26 01 50 51-0101 EA 1,000 Watt, High Pressure Sodium Lamp.....	53.86	
26 01 50 51-0102 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0103 EA 35 Watt, Low Pressure Sodium Lamp.....	53.11	
26 01 50 51-0104 EA 55 Watt, Low Pressure Sodium Lamp.....	59.24	
26 01 50 51-0105 EA 70 Watt, Low Pressure Sodium Lamp.....	60.62	
26 01 50 51-0106 EA 90 Watt, Low Pressure Sodium Lamp.....	62.00	
26 01 50 51-0107 EA 135 Watt, Low Pressure Sodium Lamp.....	67.52	
26 01 50 51-0108 EA 180 Watt, Low Pressure Sodium Lamp.....	92.37	
26 01 50 51-0109 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0110 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	13.85	
26 01 50 51-0111 EA 8 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	23.32	
26 01 50 51-0112 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	30.54	
26 01 50 51-0113 EA 13.5 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	25.37	
26 01 50 51-0114 EA 8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	26.54	
26 01 50 51-0115 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	43.84	
26 01 50 51-0116 EA 8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	30.46	
26 01 50 51-0117 EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	37.07	
26 01 50 51-0118 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	43.23	
26 01 50 51-0119 EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	39.57	
26 01 50 51-0120 EA 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	40.77	
26 01 50 51-0121 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	43.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0122 EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	45.53	
26 01 50 51-0123 EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	27.80	
26 01 50 51-0124 EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	39.92	
26 01 50 51-0125 EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.09	
26 01 50 51-0126 EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.09	
26 01 50 51-0127 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	28.15	
26 01 50 51-0128 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	41.68	
26 01 50 51-0129 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	37.56	
26 01 50 51-0130 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	43.45	
26 01 50 51-0131 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	41.68	
26 01 50 51-0132 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	43.45	
26 01 50 51-0133 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	46.04	
26 01 50 51-0134 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	44.62	
26 01 50 51-0135 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	22.89	
26 01 50 51-0136 EA 6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	27.42	
26 01 50 51-0137 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	30.46	
26 01 50 51-0138 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	38.23	
26 01 50 51-0139 Recycle Hazardous Lamps <small>(26 01 50 51)</small>		
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.		
26 01 50 51-0140 EA Recycle 2' Length Linear Fluorescent Lamps	0.23	
26 01 50 51-0141 EA Recycle 3' Length Linear Fluorescent Lamps	0.35	
26 01 50 51-0142 EA Recycle 4' Length Linear Fluorescent Lamps	0.47	
26 01 50 51-0143 EA Recycle 6' Length Linear Fluorescent Lamps	0.70	
26 01 50 51-0144 EA Recycle 8' Length Linear Fluorescent Lamps	0.94	
26 01 50 51-0145 EA Recycle Compact Fluorescent Lamps	0.42	
26 01 50 51-0146 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.42	
26 01 50 51-0147 EA Recycle High Intensity Discharge (HID) Lamps	1.46	
26 01 50 52 Ballasts And Accessories <small>(26 01 50)</small>		
26 01 50 52-0001 Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0002 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	12.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.87	
26 01 50 52-0003 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	16.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.83	
26 01 50 52-0004 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	18.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.61	
26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	19.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.99	
26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	22.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	23.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.16	
26 01 50 52-0008 High Intensity Discharge (HID) Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	96.16	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	98.54	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	98.54	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	87.84	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	87.84	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0017 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	137.17	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0018 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	137.17	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0019 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	177.17	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0020 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	197.57	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0021 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	86.75	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	
26 01 50 52-0023 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	92.07	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.77	

26	Electrical
26 01	Operation and Maintenance of Electrical Systems
26 01 50	Operation and Maintenance of Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0024 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	89.78	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0025 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	105.77	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0026 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	103.49	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0027 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	118.33	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0028 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	118.33	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0029 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	143.02	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0030 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	143.02	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0031 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	229.64	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0032 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	229.64	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0033 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0034 EA Single Mounting Bracket For Core And Coil Type	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.93	
26 01 50 52-0035 EA Double Mounting Bracket For Core And Coil Type	15.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.90	
26 01 50 52-0036 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0037 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	122.37	16.11
<i>For Pulse Start Ballast, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0039 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	128.97	16.11
<i>For Pulse Start Ballast, Add</i>	10.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0040 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	117.37	16.11
<i>For Pulse Start Ballast, Add</i>	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0041 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	136.44	16.11
<i>For Pulse Start Ballast, Add</i>	11.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0042 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	189.86	16.11
<i>For Pulse Start Ballast, Add</i>	16.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0043 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0044 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	147.39	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0045 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	157.68	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0046 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0047 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	246.05	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0049 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0050 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	392.30	25.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	436.17	25.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	420.99	25.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	303.20	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	344.28	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	455.07	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	452.68	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	634.62	17.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.16	
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	634.62	17.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.16	
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	436.38	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	513.59	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	566.69	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	539.48	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	693.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	693.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	340.84	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	368.26	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	365.56	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	383.93	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	610.66	17.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.16	
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	750.93	17.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.16	
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	569.88	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	518.73	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	440.33	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	474.92	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	709.73	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	610.52	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	135.52	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	135.52	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	152.86	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.76	16.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 01 50 52-0093 Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0094 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0093)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0139 for hazardous lamp recycling.		
26 01 50 52-0095 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0094)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0096 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	64.44	
For Specular Ballast Cover, Add	5.86	
26 01 50 52-0097 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	68.96	
For Specular Ballast Cover, Add	6.76	
26 01 50 52-0098 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	89.61	
For Specular Ballast Cover, Add	10.89	
26 01 50 52-0099 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	101.90	
For Specular Ballast Cover, Add	13.35	
26 01 50 52-0100 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0094)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0101 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	67.48	
For Specular Reflector, Add	6.47	
26 01 50 52-0102 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	72.36	
For Specular Reflector, Add	7.44	
26 01 50 52-0103 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	93.86	
For Specular Reflector, Add	11.74	
26 01 50 52-0104 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	114.41	
For Specular Reflector, Add	15.85	
26 01 50 52-0105 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0094)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0106 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	85.42	
For Specular Reflector, Add	8.05	
26 01 50 52-0107 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	89.94	
For Specular Reflector, Add	8.95	
26 01 50 52-0108 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	89.03	
For Specular Reflector, Add	8.77	
26 01 50 52-0109 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	97.01	
For Specular Reflector, Add	10.36	
26 01 50 52-0110 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	111.70	
For Specular Reflector, Add	13.30	
26 01 50 52-0111 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	93.59	
For Specular Reflector, Add	9.68	
26 01 50 52-0112 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	101.42	
For Specular Reflector, Add	11.25	
26 01 50 52-0113 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	108.30	
For Specular Reflector, Add	12.62	
26 01 50 52-0114 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0115 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0114)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 01 50 52-0116 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.38	
26 01 50 52-0117 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.38	
26 01 50 52-0118 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.38	
26 01 50 52-0119 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	176.84	
26 01 50 52-0120 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.38	
26 01 50 52-0121 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.38	
26 01 50 52-0122 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.38	
26 01 50 52-0123 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	176.84	
26 01 50 52-0124 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.88	
26 01 50 52-0125 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.88	
26 01 50 52-0126 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	161.88	
26 01 50 52-0127 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	177.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0128 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.88	
26 01 50 52-0129 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.88	
26 01 50 52-0130 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	161.88	
26 01 50 52-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	177.34	
26 01 50 52-0132 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.</small>		
26 01 50 52-0133 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	234.50	
26 01 50 52-0134 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	245.01	
26 01 50 52-0135 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.</small>		
26 01 50 52-0136 EA 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2600L).....	264.67	
26 01 50 52-0137 EA 2,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2500L).....	271.57	
26 01 50 52-0138 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	271.57	
26 01 50 52-0139 EA 3,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3400L).....	299.18	
26 01 50 52-0140 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	305.80	
26 01 50 52-0141 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	326.78	
26 01 50 52-0142 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.</small>		
26 01 50 52-0143 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	151.78	
26 01 50 52-0144 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	122.40	
26 01 50 52-0145 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	155.72	
26 01 50 52-0146 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	126.31	
26 01 50 52-0147 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	162.85	
26 01 50 52-0148 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	135.56	
26 01 50 52-0149 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	178.22	
26 01 50 52-0150 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	148.75	
26 01 50 52-0151 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	181.91	
26 01 50 52-0152 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	152.47	
26 01 50 52-0153 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	188.94	
26 01 50 52-0154 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	161.67	
26 01 50 52-0155 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.</small>		
26 01 50 52-0156 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	342.08	
26 01 50 52-0157 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	378.16	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 53 Lens and Accessory Replacement (26 01 50)

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement	88.29	
26 01 50 53-0002	EA	Visor For Fixtures.....	177.81	
26 01 50 53-0003	EA	Replace Globe On Pole	215.47	
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures	83.69	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	27.66	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	28.87	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	34.15	
26 01 50 53-0008	EA	Replace Slide-On Lampholder	11.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder	12.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder.....	13.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	16.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	17.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in	13.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.01</i>	
26 01 50 53-0014	EA	Replace Exterior Light Globes	42.79	

26 05 Common Work Results For Electrical (26)

26 05 13 Medium-Voltage Cables (26 05)

26 05 13 00-0001 Wire And Cable (26 05 13)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002 5 KV Cable (26 05 13 00-0001)

26 05 13 00-0003 Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,830.19	762.44
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,330.64	832.51
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,960.35	940.61
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,122.04	1,158.87
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,829.75	1,305.00
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,112.84	1,448.51
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,005.41	1,627.55
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,469.54	1,810.71
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	11,052.99	2,161.95
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	13,883.90	2,541.32
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	18,414.03	2,172.81
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	27,055.57	3,448.91

26 05 13 00-0016 Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

Note: Excludes excavation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,734.89	
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,060.08	
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,419.50	
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,214.72	
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,297.88	
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,659.95	
26 05 13 00-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,104.94	
26 05 13 00-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,294.37	
26 05 13 00-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,094.85	
26 05 13 00-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	10,063.05	

26 05 13 00-0027 Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

Note: Installed on poles.

26 05 13 00-0028	MLF	#6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,183.50	482.42
26 05 13 00-0029	MLF	#4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,599.85	517.26
26 05 13 00-0030	MLF	#2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,316.34	654.12
26 05 13 00-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,297.88	794.07
26 05 13 00-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,000.68	932.18
26 05 13 00-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,274.46	1,066.04
26 05 13 00-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,165.43	1,236.90
26 05 13 00-0035	MLF	250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,005.09	1,556.11
26 05 13 00-0036	MLF	350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	10,787.97	1,968.97
26 05 13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	13,988.57	2,473.81



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0038	5 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0002)</small>			
26 05 13 00-0039	MLF 1/0 5 KV Non-Shielded, Single Copper Conductor.....	6,108.57	1,519.45	
26 05 13 00-0040	MLF 3/0 5 KV Non-Shielded, Single Copper Conductor.....	7,834.83	1,563.13	
26 05 13 00-0041	MLF 4/0 5 KV Non-Shielded, Single Copper Conductor.....	8,152.02	1,597.67	
26 05 13 00-0042	MLF 350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	9,674.20	1,658.62	
26 05 13 00-0043	MLF 500 MCM 5 KV Non-Shielded, Single Copper Conductor.....	13,585.37	1,738.26	
26 05 13 00-0044	MLF 750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	20,831.61	2,172.81	
26 05 13 00-0045	MLF 1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	24,182.25	2,897.13	
26 05 13 00-0046	Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>			
26 05 13 00-0047	MLF #6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	2,996.55	762.44	
26 05 13 00-0048	MLF #4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,555.53	832.51	
26 05 13 00-0049	MLF #2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,249.94	940.61	
26 05 13 00-0050	MLF #1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,886.09	1,049.69	
26 05 13 00-0051	MLF #1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,522.53	1,158.87	
26 05 13 00-0052	MLF #2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	6,291.86	1,305.00	
26 05 13 00-0053	MLF #3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	7,741.30	1,448.51	
26 05 13 00-0054	MLF #4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	8,713.97	1,627.55	
26 05 13 00-0055	MLF 250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	10,359.25	1,810.71	
26 05 13 00-0056	MLF 350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	12,069.62	2,161.95	
26 05 13 00-0057	MLF 500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	15,239.41	2,541.32	
26 05 13 00-0058	MLF 750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	20,750.79	2,172.81	
26 05 13 00-0059	MLF 1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	30,373.56	3,448.91	
26 05 13 00-0060	Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>			
	Note: Excludes excavation.			
26 05 13 00-0061	MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,901.25		
26 05 13 00-0062	MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,284.98		
26 05 13 00-0063	MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,709.09		
26 05 13 00-0064	MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,162.57		
26 05 13 00-0065	MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,615.21		
26 05 13 00-0066	MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,019.13		
26 05 13 00-0067	MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,288.41		
26 05 13 00-0068	MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,813.50		
26 05 13 00-0069	MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,184.08		
26 05 13 00-0070	MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,111.49		
26 05 13 00-0071	MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	11,418.57		
26 05 13 00-0072	Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>			
	Note: Installed on poles.			
26 05 13 00-0073	MLF #6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,349.86	482.42	
26 05 13 00-0074	MLF #4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,824.74	517.26	
26 05 13 00-0075	MLF #2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,605.93	654.12	
26 05 13 00-0076	MLF #1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,150.86	723.58	
26 05 13 00-0077	MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,698.37	794.07	
26 05 13 00-0078	MLF #2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	5,462.79	932.18	
26 05 13 00-0079	MLF #3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	6,902.92	1,066.04	
26 05 13 00-0080	MLF #4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	7,873.99	1,236.90	
26 05 13 00-0081	MLF 250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	9,894.80	1,556.11	
26 05 13 00-0082	MLF 350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	11,804.61	1,968.97	
26 05 13 00-0083	MLF 500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	15,344.08	2,473.81	
26 05 13 00-0084	15 KV Cable <small>(26 05 13 00-0001)</small>			
26 05 13 00-0085	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>			
26 05 13 00-0086	Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>			
26 05 13 00-0087	MLF #4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,909.23	1,519.45	
26 05 13 00-0088	MLF #2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,338.59	1,519.45	
26 05 13 00-0089	MLF #1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,502.36	1,519.45	
26 05 13 00-0090	MLF #1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,035.87	1,519.45	
26 05 13 00-0091	MLF #2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,542.25	1,519.45	
26 05 13 00-0092	MLF #3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,558.62	1,586.05	
26 05 13 00-0093	MLF #4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,757.55	1,586.05	
26 05 13 00-0094	MLF 250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,024.27	1,658.62	
26 05 13 00-0095	MLF 350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,287.94	1,697.51	
26 05 13 00-0096	MLF 500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,840.86	1,912.08	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 00-0097	Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085) Note: Excludes excavation.		
26 05 13 00-0098	MLF #1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,867.89	
26 05 13 00-0099	MLF #1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,401.40	
26 05 13 00-0100	MLF #2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,907.78	
26 05 13 00-0101	MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,945.16	
26 05 13 00-0102	MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,144.09	
26 05 13 00-0103	MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,500.89	
26 05 13 00-0104	MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,766.98	
26 05 13 00-0105	MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation.....	12,102.60	
26 05 13 00-0106	Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085) Note: Installed on poles.		
26 05 13 00-0107	MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,502.72	689.15
26 05 13 00-0108	MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,310.16	794.07
26 05 13 00-0109	MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,177.04	932.18
26 05 13 00-0110	MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,376.61	1,066.04
26 05 13 00-0111	MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,021.52	1,236.90
26 05 13 00-0112	MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,636.77	1,439.92
26 05 13 00-0113	MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,424.32	1,677.87
26 05 13 00-0114	MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	14,148.73	1,949.01
26 05 13 00-0115	Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)		
26 05 13 00-0116	Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115)		
26 05 13 00-0117	MLF #4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,289.14	1,519.45
26 05 13 00-0118	MLF #2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,795.78	1,519.45
26 05 13 00-0119	MLF #1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,989.03	1,519.45
26 05 13 00-0120	MLF #1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,618.57	1,519.45
26 05 13 00-0121	MLF #2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,216.11	1,519.45
26 05 13 00-0122	MLF #3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,385.47	1,586.05
26 05 13 00-0123	MLF #4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,620.21	1,586.05
26 05 13 00-0124	MLF 250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,082.25	1,658.62
26 05 13 00-0125	MLF 350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,555.89	1,697.51
26 05 13 00-0126	MLF 500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,471.77	1,912.08
26 05 13 00-0127	Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115) Note: Excludes excavation.		
26 05 13 00-0128	MLF #1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,354.56	
26 05 13 00-0129	MLF #1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,984.10	
26 05 13 00-0130	MLF #2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,581.63	
26 05 13 00-0131	MLF #3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,772.01	
26 05 13 00-0132	MLF #4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,006.75	
26 05 13 00-0133	MLF 250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,555.79	
26 05 13 00-0134	MLF 350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,028.13	
26 05 13 00-0135	MLF 500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,733.52	
26 05 13 00-0136	Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115) Note: Installed on poles.		
26 05 13 00-0137	MLF #1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,989.39	689.15
26 05 13 00-0138	MLF #1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,892.86	794.07
26 05 13 00-0139	MLF #2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,850.89	932.18
26 05 13 00-0140	MLF #3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,203.46	1,066.04
26 05 13 00-0141	MLF #4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,884.18	1,236.90
26 05 13 00-0142	MLF 250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,694.75	1,439.92
26 05 13 00-0143	MLF 350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,692.27	1,677.87
26 05 13 00-0144	MLF 500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	15,779.65	1,949.01
26 05 13 00-0145	15 KV Non-Shielded Single Copper Conductor (26 05 13 00-0084)		
26 05 13 00-0146	MLF 1/0 15 KV Non-Shielded, Single Copper Conductor.....	8,205.51	1,524.78
26 05 13 00-0147	MLF 3/0 15 KV Non-Shielded, Single Copper Conductor.....	10,503.10	1,597.67
26 05 13 00-0148	MLF 350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	14,230.52	1,704.14
26 05 13 00-0149	Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 00-0084) Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150	Galvanized Steel Interlocked Armor Cable (26 05 13 00-0149)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.79	11.62
26 05 13 00-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.16	12.39
26 05 13 00-0153 Aluminum Interlocked Armor Cable (26 05 13 00-0149)		
26 05 13 00-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.79	11.62
26 05 13 00-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	48.16	12.39
26 05 13 00-0156 Type URD, 15 KV Primary Concentric UD Cable (26 05 13 00-0094)		
Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157 MLF #4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,929.67	762.44
26 05 13 00-0158 MLF #2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,465.11	832.51
26 05 13 00-0159 MLF #1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,133.50	940.61
26 05 13 00-0160 MLF #1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,353.81	1,155.72
26 05 13 00-0161 MLF #2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,096.30	1,301.08
26 05 13 00-0162 MLF #3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	7,488.62	1,448.51
26 05 13 00-0163 MLF #4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	8,413.91	1,621.46
26 05 13 00-0164 15 KV URD Cable Copper Direct Burial (26 05 13 00-0084)		
26 05 13 00-0165 MLF 15 KV 3/C URD Cable Copper Direct Burial #6	13,165.50	
26 05 13 00-0166 35 KV And 70 KV Cable (26 05 13 00-0001)		
26 05 13 00-0167 35 KV, Shielded, Single Copper Conductor (26 05 13 00-0166)		
26 05 13 00-0168 MLF 3/0 35 KV Shielded, Single Copper Conductor	14,531.29	2,538.84
26 05 13 00-0169 70 KV, Shielded, Single Copper Conductor (26 05 13 00-0166)		
26 05 13 00-0170 MLF 350 MCM 70 KV Shielded, Single Copper Conductor	45,377.71	2,894.32
26 05 13 00-0171 Wire Connections (26 05 13 00-0001)		
26 05 13 00-0172 Medium Voltage Up To 5 KV (26 05 13 00-0171)		
26 05 13 00-0173 Shielded One Conductor Cable Splice (26 05 13 00-0172)		
26 05 13 00-0174 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	242.96	100.29
26 05 13 00-0175 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	278.82	100.29
26 05 13 00-0176 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	278.82	100.29
26 05 13 00-0177 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	308.66	120.33
26 05 13 00-0178 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	308.66	120.33
26 05 13 00-0179 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	308.66	120.33
26 05 13 00-0180 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	348.46	140.39
26 05 13 00-0181 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	348.46	140.39
26 05 13 00-0182 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	348.46	140.39
26 05 13 00-0183 Cable Termination Without Stress Cone (26 05 13 00-0172)		
26 05 13 00-0184 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	241.79	120.33
26 05 13 00-0185 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	284.67	140.39
26 05 13 00-0186 Cable Termination With Stress Cone (26 05 13 00-0172)		
26 05 13 00-0187 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	785.67	240.68
26 05 13 00-0188 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,087.92	330.93
26 05 13 00-0189 Connect To Pothead, Pothead Included (26 05 13 00-0172)		
26 05 13 00-0190 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	807.33	240.68
26 05 13 00-0191 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	998.17	275.77
26 05 13 00-0192 Two Conductor Pothead (26 05 13 00-0172)		
Note: Includes 5 KV pothead.		
26 05 13 00-0193 EA #6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	799.00	330.93
26 05 13 00-0194 EA 250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,031.37	421.18
26 05 13 00-0195 EA 400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,365.46	477.54
26 05 13 00-0196 EA 750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,935.02	557.16
26 05 13 00-0197 EA 1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,312.94	835.65
26 05 13 00-0198 Three Conductor Pothead (26 05 13 00-0172)		
Note: Includes 5 KV pothead.		
26 05 13 00-0199 EA #6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,098.04	481.35
26 05 13 00-0200 EA 250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,341.87	561.58

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0201			Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small> Note: For bare wire.		
26 05 13 00-0202	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire.....	61.22	
26 05 13 00-0203	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire.....	67.13	
26 05 13 00-0204	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire.....	78.30	
26 05 13 00-0205	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire.....	89.17	
26 05 13 00-0206	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	100.45	
26 05 13 00-0207	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	111.57	
26 05 13 00-0208	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	122.63	
26 05 13 00-0209	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	133.97	
26 05 13 00-0210	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	145.14	
26 05 13 00-0211	EA		250 MCM Crimp Compression Connection For Bare Copper Wire.....	156.44	
26 05 13 00-0212	EA		300 MCM Crimp Compression Connection For Bare Copper Wire.....	167.91	
26 05 13 00-0213	EA		350 MCM Crimp Compression Connection For Bare Copper Wire.....	178.96	
26 05 13 00-0214	EA		400 MCM Crimp Compression Connection For Bare Copper Wire.....	201.79	
26 05 13 00-0215	EA		500 MCM Crimp Compression Connection For Bare Copper Wire.....	225.01	
26 05 13 00-0216			Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small> Note: For bare wire.		
26 05 13 00-0217	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	62.00	
26 05 13 00-0218	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	67.56	
26 05 13 00-0219	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	90.58	
26 05 13 00-0220	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	104.04	
26 05 13 00-0221	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	114.96	
26 05 13 00-0222	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	125.86	
26 05 13 00-0223	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	137.72	
26 05 13 00-0224	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	149.11	
26 05 13 00-0225	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	160.31	
26 05 13 00-0226	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	171.69	
26 05 13 00-0227	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	182.93	
26 05 13 00-0228	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	207.48	
26 05 13 00-0229	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	232.12	
26 05 13 00-0230			15 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0231			Single Conductor Pothead On Racks <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0232	EA		#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	986.13	421.18
26 05 13 00-0233	EA		250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,244.01	521.46
26 05 13 00-0234			Two Conductor Pothead On Rack <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0235	EA		#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,488.57	641.80
26 05 13 00-0236	EA		250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,772.60	762.14
26 05 13 00-0237			Three Conductor Pothead On Rack <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0238	EA		#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,920.15	832.33
26 05 13 00-0239	EA		250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,396.70	1,042.93
26 05 13 00-0240			Stress Relief Cone On Rack <small>(26 05 13 00-0230)</small>		
26 05 13 00-0241	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack.....	959.96	421.18
26 05 13 00-0242	EA		250 To 500 MCM Stress Relief Cone, On Rack.....	1,214.59	521.46
26 05 13 00-0243			Grounded, Shielded Cable Splice <small>(26 05 13 00-0230)</small>		
26 05 13 00-0244	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	691.64	310.88
26 05 13 00-0245	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	889.87	401.12
26 05 13 00-0246	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	3,195.30	1,103.09
26 05 13 00-0247	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,823.96	1,203.38
26 05 13 00-0248			Cable Termination <small>(26 05 13 00-0230)</small>		
26 05 13 00-0249	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	418.52	175.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.30	
26 05 13 00-0250	EA		4/0 To 250 MCM Cable Termination 15 KV.....	533.89	225.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.38	
26 05 13 00-0251	EA		350 To 500 MCM Cable Termination 15 KV.....	656.71	275.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.47	
26 05 13 00-0252	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV.....	251.50	100.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17	
26 05 13 00-0253			Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0254	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	411.72	130.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	462.86	144.09
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	532.07	157.68
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	656.63	181.67
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 00-0230)		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	823.45	261.17
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	925.79	288.17
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,052.45	309.51
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,313.25	363.34
26 05 13 00-0263 35 KV (26 05 13 00-0171)		
26 05 13 00-0264 35 KV One Conductor Splice (26 05 13 00-0263)		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,718.04	
26 05 13 00-0266 Cable Termination (26 05 13 00-0263)		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV.....	322.33	120.44
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV.....	463.06	181.71
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV.....	515.60	194.35
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	262.04	100.29
26 05 13 00-0271 70 KV (26 05 13 00-0171)		
26 05 13 00-0272 Cable Splice (26 05 13 00-0271)		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV.....	5,113.01	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV.....	1,744.51	
26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)		
26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)		
26 05 19 13-0001 Under Carpet Power System (26 05 19 13)		
Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002 LF Cable Flat 3 Conductor #12 With Attached Bottom Shield.....	3.27	0.46
26 05 19 13-0003 LF Top Shield, Steel.....	6.99	0.46
26 05 19 13-0004 EA Splice, 3-Conductor.....	23.19	7.80
26 05 19 13-0005 EA Splice Top Shield For 3 Conductor.....	7.97	3.67
26 05 19 13-0006 EA Tap 3-Conductor.....	28.43	9.17
26 05 19 13-0007 EA Insulating Patch, Splice Tap And End.....	38.53	7.80
26 05 19 13-0008 EA Transition Block Assembly 3-conductor.....	24.70	4.58
26 05 19 13-0009 EA Receptacles, Direct Connected Single, With Box.....	75.24	14.67
26 05 19 13-0010 EA Receptacles, Direct Connected Dual, With Box.....	124.04	22.92
26 05 19 13-0011 EA Box, Floor Mounted With Cover.....	119.59	18.34
26 05 19 13-0012 LF 5-Conductor #12 With Attached Bottom Shield.....	4.96	0.46
26 05 19 13-0013 LF Shield, Top, Steel For 5 Conductor.....	4.93	0.46
26 05 19 13-0014 EA Splice, 5 Conductor.....	23.41	7.80
26 05 19 13-0015 EA Insulating Patch Splice Tap And End.....	31.36	4.58
26 05 19 13-0016 EA Transition Block Assembly 5 Conductor.....	31.36	4.58
26 05 19 13-0017 EA Box, Wall, Flush With Cover.....	62.68	18.34
26 05 19 13-0018 EA Telephone Transition Fitting Wall Box.....	44.02	15.12
26 05 19 13-0019 EA Telephone Fitting With Duplex Jack And Cover RJ-45.....	55.71	17.42
26 05 19 13-0020 EA Telephone Miniature With Duplex RJ-45.....	23.43	6.87
26 05 19 13-0021 LF Telephone 4-Pair Level 5 Under Carpet Wire.....	1.41	0.46
26 05 19 13-0022 EA BNC Coax Connector Plug.....	21.97	9.17
26 05 19 13-0023 EA TNC Connector Coax Plug.....	21.97	9.17
26 05 19 13-0024 CLF Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	113.41	45.84
26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001 Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002 Pull Cord (26 05 19 16-0001)		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.31	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.16	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.69	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.39	
26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand.....	2.33	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand.....	2.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0010 EA Boring Minimum Set-Up Charge .....326.72 Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	326.72	
26 05 19 16-0011 Wire and Cable <small>(26 05 19 16)</small> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013 Multi-Conductor Cords <small>(26 05 19 16-0012)</small> Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0016 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0017 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.04	0.40
26 05 19 16-0018 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.08	0.40
26 05 19 16-0019 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.22	0.40
26 05 19 16-0020 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0021 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.19	0.40
26 05 19 16-0022 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.28	0.40
26 05 19 16-0023 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.40	0.40
26 05 19 16-0024 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0025 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.35	0.40
26 05 19 16-0026 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.48	0.40
26 05 19 16-0027 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.74	0.40
26 05 19 16-0028 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0029 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.57	0.40
26 05 19 16-0030 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.73	0.40
26 05 19 16-0031 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.96	0.40
26 05 19 16-0032 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0033 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.06	0.50
26 05 19 16-0034 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.17	0.50
26 05 19 16-0035 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.34	0.50
26 05 19 16-0036 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0037 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0038 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.08	0.40
26 05 19 16-0039 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.18	0.40
26 05 19 16-0040 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.30	0.40
26 05 19 16-0041 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.28	0.54
26 05 19 16-0042 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.51	0.56
26 05 19 16-0043 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.66	0.57
26 05 19 16-0044 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.59
26 05 19 16-0045 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.38	0.62
26 05 19 16-0046 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.86	0.63
26 05 19 16-0047 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.13	0.65
26 05 19 16-0048 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.21	0.66
26 05 19 16-0049 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.36	0.68
26 05 19 16-0050 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.97	0.69
26 05 19 16-0051 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.56	0.71
26 05 19 16-0052 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.88	0.75
26 05 19 16-0053 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0054 LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.27	0.40
26 05 19 16-0055 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.36	0.40
26 05 19 16-0056 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.52	0.40
26 05 19 16-0057 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.39	0.54
26 05 19 16-0058 LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.65	0.56
26 05 19 16-0059 LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.89	0.57
26 05 19 16-0060 LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.22	0.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0061	LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.34 0.60
26 05 19 16-0062	LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.73 0.62
26 05 19 16-0063	LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.36 0.63
26 05 19 16-0064	LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.69 0.65
26 05 19 16-0065	LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.30 0.66
26 05 19 16-0066	LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.14 0.68
26 05 19 16-0067	LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.90 0.69
26 05 19 16-0068	LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.36 0.71
26 05 19 16-0069	LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.20 0.72
26 05 19 16-0070	LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.73 0.75
26 05 19 16-0071 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0072	LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.51 0.40
26 05 19 16-0073	LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.60 0.40
26 05 19 16-0074	LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.84 0.40
26 05 19 16-0075	LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.13 0.54
26 05 19 16-0076	LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.77 0.56
26 05 19 16-0077	LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.98 0.57
26 05 19 16-0078	LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.50 0.59
26 05 19 16-0079	LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.83 0.60
26 05 19 16-0080	LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.41 0.62
26 05 19 16-0081	LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.95 0.63
26 05 19 16-0082	LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.59 0.65
26 05 19 16-0083	LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.93 0.66
26 05 19 16-0084	LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.91 0.69
26 05 19 16-0085	LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.53 0.71
26 05 19 16-0086	LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.46 0.75
26 05 19 16-0087 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0088	LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.74 0.40
26 05 19 16-0089	LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.92 0.40
26 05 19 16-0090	LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.10 0.40
26 05 19 16-0091	LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.60 0.54
26 05 19 16-0092	LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.19 0.56
26 05 19 16-0093	LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.78 0.57
26 05 19 16-0094	LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.44 0.59
26 05 19 16-0095	LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.89 0.60
26 05 19 16-0096	LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.69 0.62
26 05 19 16-0097	LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.62 0.63
26 05 19 16-0098	LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.50 0.65
26 05 19 16-0099	LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.37 0.66
26 05 19 16-0100	LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.79 0.68
26 05 19 16-0101	LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.29 0.69
26 05 19 16-0102	LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.84 0.71
26 05 19 16-0103	LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.39 0.72
26 05 19 16-0104	LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.89 0.74
26 05 19 16-0105	LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.43 0.75
26 05 19 16-0106 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0107	LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.02 0.50
26 05 19 16-0108	LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.17 0.50
26 05 19 16-0109	LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.33 0.50
26 05 19 16-0110	LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.10 0.54
26 05 19 16-0111	LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.15 0.56
26 05 19 16-0112	LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.06 0.57
26 05 19 16-0113	LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.83 0.62
26 05 19 16-0114	LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.98 0.63
26 05 19 16-0115	LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.47 0.66
26 05 19 16-0116	LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.74 0.69
26 05 19 16-0117 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0118	LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.09 0.60
26 05 19 16-0119	LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.45 0.70
26 05 19 16-0120	LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.11 0.70
26 05 19 16-0121 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0122	LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.90 0.70
26 05 19 16-0123	LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.13 0.80
26 05 19 16-0124	LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.55 1.00
26 05 19 16-0125 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0126 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.44	1.00
26 05 19 16-0127 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.37	1.10
26 05 19 16-0128 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.53	1.20
26 05 19 16-0129 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0130 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	14.10	2.00
26 05 19 16-0131 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.95	2.50
26 05 19 16-0132 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.67	3.31
26 05 19 16-0133 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0134 #18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0135 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.40	0.40
26 05 19 16-0136 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.55	0.40
26 05 19 16-0137 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.85	0.40
26 05 19 16-0138 #16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0139 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.40
26 05 19 16-0140 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.73	0.40
26 05 19 16-0141 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.84	0.40
26 05 19 16-0142 #14, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0143 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.09	0.40
26 05 19 16-0144 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.05	0.40
26 05 19 16-0145 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.92	0.50
26 05 19 16-0146 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0147 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0148 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.01	0.40
26 05 19 16-0149 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.42	0.40
26 05 19 16-0150 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.84	0.40
26 05 19 16-0151 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0152 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.15	0.40
26 05 19 16-0153 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.57	0.40
26 05 19 16-0154 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.22	0.40
26 05 19 16-0155 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.49	0.50
26 05 19 16-0156 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0157 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.67	0.40
26 05 19 16-0158 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.20	0.40
26 05 19 16-0159 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.58	0.50
26 05 19 16-0160 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0161 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.17	0.40
26 05 19 16-0162 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.64	0.40
26 05 19 16-0163 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.07	0.50
26 05 19 16-0164 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0165 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.64	0.50
26 05 19 16-0166 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.06	0.50
26 05 19 16-0167 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.47	0.50
26 05 19 16-0168 Multi-Conductor Type SEOW Cord (26 05 19 16-0013) Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0168)		
26 05 19 16-0170 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)		
26 05 19 16-0171 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.51	0.40
26 05 19 16-0172 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.67	0.40
26 05 19 16-0173 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.57	0.50
26 05 19 16-0174 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0175 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.00	0.40
26 05 19 16-0176 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.31	0.40
26 05 19 16-0177 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.34	0.50
26 05 19 16-0178 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)		
26 05 19 16-0179 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.51	0.40
26 05 19 16-0180 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.90	0.40
26 05 19 16-0181 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.67	0.50
26 05 19 16-0182 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)		
26 05 19 16-0183 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.19	0.50
26 05 19 16-0184 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.67	0.50
26 05 19 16-0185 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.93	0.50
26 05 19 16-0186 Multi-Conductor Type W Cord (26 05 19 16-0013) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0186)		
26 05 19 16-0188 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)		
26 05 19 16-0189 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.49	0.60
26 05 19 16-0190 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.82	0.70
26 05 19 16-0191 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.72	0.70
26 05 19 16-0192 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)		
26 05 19 16-0193 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.82	0.70
26 05 19 16-0194 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.75	0.80
26 05 19 16-0195 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.15	1.00
26 05 19 16-0196 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)		
26 05 19 16-0197 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.59	0.70
26 05 19 16-0198 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.79	0.80
26 05 19 16-0199 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.02	1.00
26 05 19 16-0200 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0012)		
26 05 19 16-0201 Cord Grips (26 05 19 16-0200)		
26 05 19 16-0202 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	62.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 19 16-0203 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	62.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 05 19 16-0204 Cable Reels (26 05 19 16-0200) Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	527.34	50.14
26 05 19 16-0206 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,444.89	50.14
26 05 19 16-0207 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,082.19	50.14
26 05 19 16-0208 Extension Cords (26 05 19 16-0200)		
26 05 19 16-0209 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	86.42	
26 05 19 16-0210 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	129.99	
26 05 19 16-0211 Plugs And Connector Bodies (26 05 19 16-0200) Note: Up to 277 volts.		
26 05 19 16-0212 NEMA Twist-Lock Plugs (26 05 19 16-0211)		
26 05 19 16-0213 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	67.37	
26 05 19 16-0214 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	68.69	
26 05 19 16-0215 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	63.11	
26 05 19 16-0216 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	67.20	
26 05 19 16-0217 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	86.36	
26 05 19 16-0218 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	91.55	
26 05 19 16-0219 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	96.63	
26 05 19 16-0220 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	87.13	
26 05 19 16-0221 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	99.61	
26 05 19 16-0222 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	102.04	
26 05 19 16-0223 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	105.13	
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)		
26 05 19 16-0225 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	71.12	

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0226 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	75.81	
26 05 19 16-0227 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	65.93	
26 05 19 16-0228 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	87.13	
26 05 19 16-0229 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	100.82	
26 05 19 16-0230 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	107.45	
26 05 19 16-0231 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	129.75	
26 05 19 16-0232 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	124.12	
26 05 19 16-0233 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	152.06	
26 05 19 16-0234 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	159.46	
26 05 19 16-0235 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	151.40	
26 05 19 16-0236 Watertight Pin And Sleeve Plug <small>(26 05 19 16-0211)</small>		
26 05 19 16-0237 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	167.71	30.09
26 05 19 16-0238 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	169.27	30.09
26 05 19 16-0239 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	181.38	30.09
26 05 19 16-0240 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	183.74	33.09
26 05 19 16-0241 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	181.39	33.09
26 05 19 16-0242 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	182.09	33.09
26 05 19 16-0243 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	249.61	37.01
26 05 19 16-0244 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	243.76	37.01
26 05 19 16-0245 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	268.89	37.01
26 05 19 16-0246 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	267.16	40.62
26 05 19 16-0247 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	257.00	40.62
26 05 19 16-0248 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	263.99	40.62
26 05 19 16-0249 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	337.65	48.14
26 05 19 16-0250 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	343.22	48.14
26 05 19 16-0251 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	330.01	48.14
26 05 19 16-0252 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	374.94	53.55
26 05 19 16-0253 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	366.27	53.55
26 05 19 16-0254 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	370.02	53.55
26 05 19 16-0255 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	459.24	60.17
26 05 19 16-0256 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	480.76	60.17
26 05 19 16-0257 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	473.99	66.18
26 05 19 16-0258 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	466.64	66.18
26 05 19 16-0259 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	470.61	66.18
26 05 19 16-0260 Watertight Pin And Sleeve Connector <small>(26 05 19 16-0211)</small>		
26 05 19 16-0261 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	176.68	30.09
26 05 19 16-0262 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	177.76	30.09
26 05 19 16-0263 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	205.65	30.09
26 05 19 16-0264 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	206.34	33.09
26 05 19 16-0265 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	203.51	33.09
26 05 19 16-0266 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	206.07	33.09
26 05 19 16-0267 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	254.97	37.01
26 05 19 16-0268 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	254.91	37.01
26 05 19 16-0269 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	264.53	37.01
26 05 19 16-0270 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	264.55	40.62
26 05 19 16-0271 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	266.53	40.62
26 05 19 16-0272 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	264.44	40.62
26 05 19 16-0273 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	392.62	48.14
26 05 19 16-0274 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	380.84	48.14
26 05 19 16-0275 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	373.82	48.14
26 05 19 16-0276 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	407.66	53.55
26 05 19 16-0277 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	417.90	53.55
26 05 19 16-0278 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	418.65	53.55
26 05 19 16-0279 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	519.54	60.17
26 05 19 16-0280 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	533.05	60.17
26 05 19 16-0281 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	576.83	66.18
26 05 19 16-0282 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	558.27	66.18
26 05 19 16-0283 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	564.60	66.18
26 05 19 16-0284 Accessories <small>(26 05 19 16-0200)</small>		
26 05 19 16-0285 EA 1/2" Straight Steel Cord Connector.....	39.12	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 19 16-0286 EA 1/2" Straight Nylon Cord Connector.....	24.57	7.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 19 16-0287 EA 1/2" 90 Degree Steel Cord Connector.....	45.56	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 19 16-0288 EA 1/2" 90 Degree Nylon Cord Connector.....	30.30	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 19 16-0289 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	45.09	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 05 19 16-0290 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	73.12	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 05 19 16-0291 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	29.94	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 05 19 16-0292 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	47.31	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0293 EA 3/4" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46 6.02	10.03
26 05 19 16-0294 EA 3/4" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.25 4.52	7.52
26 05 19 16-0295 EA 3/4" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.75 7.52	12.53
26 05 19 16-0296 EA 3/4" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.40 6.02	10.03
26 05 19 16-0297 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.52 9.03	15.04
26 05 19 16-0298 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.02 10.53	17.55
26 05 19 16-0299 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.37 7.52	12.53
26 05 19 16-0300 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85 9.03	15.04
26 05 19 16-0301 EA 1" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.07 6.02	10.03
26 05 19 16-0302 EA 1" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56 4.52	7.52
26 05 19 16-0303 EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.44 7.52	12.53
26 05 19 16-0304 EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.24 6.02	10.03
26 05 19 16-0305 EA 1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.56 9.03	15.04
26 05 19 16-0306 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.98 10.53	17.55
26 05 19 16-0307 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.96 7.52	12.53
26 05 19 16-0308 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.73 9.03	15.04
26 05 19 16-0309 600 Volt Wire (26 05 19 16-0011)		
26 05 19 16-0310 Single Solid Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0311 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	524.62	222.50
26 05 19 16-0312 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	649.53	261.74
26 05 19 16-0313 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	791.93	320.05
26 05 19 16-0314 MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	678.63	222.50
26 05 19 16-0315 MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	815.72	261.74
26 05 19 16-0316 MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	971.52	320.05
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW (26 05 19 16-0317)		
26 05 19 16-0319 MLF #16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	544.89	183.36
26 05 19 16-0320 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	645.71	220.03
26 05 19 16-0321 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	785.13	256.70
26 05 19 16-0322 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	950.63	293.37
26 05 19 16-0323 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,250.39	366.71
26 05 19 16-0324 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,651.71	440.05
26 05 19 16-0325 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,225.73	550.07
26 05 19 16-0326 MLF #3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,614.84	623.41
26 05 19 16-0327 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,068.11	696.75
26 05 19 16-0328 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,740.04	770.10
26 05 19 16-0329 MLF 1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,457.52	880.11
26 05 19 16-0330 MLF 2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,296.27	990.12
26 05 19 16-0331 MLF 3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,281.88	1,100.14
26 05 19 16-0332 MLF 4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,454.60	1,210.15
26 05 19 16-0333 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,925.63	1,320.16
26 05 19 16-0334 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,306.24	1,430.18
26 05 19 16-0335 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,937.47	1,540.19
26 05 19 16-0336 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,066.56	1,650.20
26 05 19 16-0337 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,712.56	1,760.22
26 05 19 16-0338 MLF 600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,558.98	1,906.90
26 05 19 16-0339 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	21,608.40	2,126.93
26 05 19 16-0340 MLF 1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	30,135.99	2,493.64
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0317)		
26 05 19 16-0342 MLF 2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,291.42	439.96
26 05 19 16-0343 MLF 3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,570.42	513.49
26 05 19 16-0344 MLF 4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,941.18	623.41
26 05 19 16-0345 MLF 6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,269.15	678.14
26 05 19 16-0346 MLF 7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,429.90	715.00
26 05 19 16-0347 MLF 9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,831.32	788.24
26 05 19 16-0348 MLF 10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,149.58	821.61
26 05 19 16-0349 MLF 12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,393.85	898.45
26 05 19 16-0350 MLF 14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,723.00	953.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 05 19 16-0351	MLF 24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,321.01	1,210.24
26 05 19 16-0352	MLF 37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	8,031.01	1,796.89
26 05 19 16-0353	MLF 2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,570.49	513.49
26 05 19 16-0354	MLF 3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,988.79	623.41
26 05 19 16-0355	MLF 4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,407.12	733.43
26 05 19 16-0356	MLF 2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,083.89	659.80
26 05 19 16-0357	MLF 3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,666.79	806.03
26 05 19 16-0358	MLF 4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,436.23	1,026.98
26 05 19 16-0359	MLF 6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,604.75	1,320.62
26 05 19 16-0360	MLF 9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,172.19	1,686.96
26 05 19 16-0361	MLF 2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,546.61	751.76
26 05 19 16-0362	MLF 3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,201.09	880.11
26 05 19 16-0363	MLF 4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,130.60	1,118.48
26 05 19 16-0364	MLF 2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,211.82	843.44
26 05 19 16-0365	MLF 3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,267.53	1,045.13
26 05 19 16-0366	MLF 4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,428.77	1,288.99
26 05 19 16-0367	MLF 2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,259.33	1,023.31
26 05 19 16-0368	MLF 3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,477.84	1,170.46
26 05 19 16-0369	MLF 4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,053.70	1,460.61
26 05 19 16-0370	MLF 2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,768.58	1,246.46
26 05 19 16-0371	MLF 3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,463.36	1,393.87
26 05 19 16-0372	MLF 4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,888.83	1,833.55
26 05 19 16-0373	MLF 3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,844.17	1,759.94
26 05 19 16-0374	MLF 4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	12,757.51	2,199.35
26 05 19 16-0375	MLF 3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	11,539.84	1,907.27
26 05 19 16-0376	MLF 3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	13,961.23	2,199.35
26 05 19 16-0377	MLF 3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	17,009.31	2,565.88
26 05 19 16-0378	MLF 4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	22,373.63	3,299.03
26 05 19 16-0379	MLF 3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	20,628.20	2,936.17
26 05 19 16-0380	MLF 3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	22,123.11	3,299.03
26 05 19 16-0381	MLF 3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	27,428.74	3,667.12
26 05 19 16-0382	MLF 3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	35,011.91	4,030.35

26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0383)

Note: Direct bury.

26 05 19 16-0384	MLF #10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,117.60	
26 05 19 16-0385	MLF #8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,583.76	
26 05 19 16-0386	MLF #6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,099.75	
26 05 19 16-0387	MLF #4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,498.95	
26 05 19 16-0388	MLF #2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	3,425.70	
26 05 19 16-0389	MLF #1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	4,282.61	
26 05 19 16-0390	MLF #1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	4,903.04	
26 05 19 16-0391	MLF #2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	5,786.44	
26 05 19 16-0392	MLF #3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	6,860.17	
26 05 19 16-0393	MLF #4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	7,899.28	
26 05 19 16-0394	MLF 250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	10,901.96	
26 05 19 16-0395	MLF 300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	12,611.50	
26 05 19 16-0396	MLF 350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	14,102.55	
26 05 19 16-0397	MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	16,040.62	
26 05 19 16-0398	MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	20,181.83	
26 05 19 16-0399	MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	23,911.48	
26 05 19 16-0400	MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	790.38	
26 05 19 16-0401	MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	963.40	
26 05 19 16-0402	MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,184.69	
26 05 19 16-0403	MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,437.83	
26 05 19 16-0404	MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,919.75	
26 05 19 16-0405	MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,631.13	
26 05 19 16-0406	MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,683.96	
26 05 19 16-0407	MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,479.83	
26 05 19 16-0408	MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,052.25	
26 05 19 16-0409	MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,698.24	
26 05 19 16-0410	MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,734.18	
26 05 19 16-0411	MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,037.90	
26 05 19 16-0412	MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,234.28	
26 05 19 16-0413	MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,509.66	
26 05 19 16-0414	MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,914.89	
26 05 19 16-0415	MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	13,376.64	
26 05 19 16-0416	MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	15,940.35	
26 05 19 16-0417	MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	28,478.53	
26 05 19 16-0418	MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	540.66	
26 05 19 16-0419	MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	667.77	
26 05 19 16-0420	MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	818.55	
26 05 19 16-0421	MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,132.87	
26 05 19 16-0422	MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,517.33	
26 05 19 16-0423	MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,976.07	
26 05 19 16-0424	MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,792.72	
26 05 19 16-0425	MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,302.69	
26 05 19 16-0426	MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,840.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0427 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,339.89	
26 05 19 16-0428 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,101.66	
26 05 19 16-0429 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,041.09	
26 05 19 16-0430 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,052.70	
26 05 19 16-0431 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,104.32	
26 05 19 16-0432 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,230.37	
26 05 19 16-0433 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,318.87	
26 05 19 16-0434 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,163.18	
26 05 19 16-0435 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	15,050.34	
26 05 19 16-0436 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	22,539.98	
26 05 19 16-0437 MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,518.89	
26 05 19 16-0438 MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,468.02	
26 05 19 16-0439 MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,183.45	
26 05 19 16-0440 MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,155.23	
26 05 19 16-0441 MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,061.57	
26 05 19 16-0442 MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,768.00	
26 05 19 16-0443 MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	13,948.12	
26 05 19 16-0444 MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	15,159.51	
26 05 19 16-0445 MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	17,269.36	
26 05 19 16-0446 600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0309)</small>		
26 05 19 16-0447 ACTHH, Solid <small>(26 05 19 16-0446)</small>		
26 05 19 16-0448 MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid.....	2,039.20	601.68
26 05 19 16-0449 MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid.....	2,346.77	681.91
26 05 19 16-0450 MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid.....	2,660.53	722.03
26 05 19 16-0451 MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	2,998.29	1,002.81
26 05 19 16-0452 MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	3,233.08	1,122.95
26 05 19 16-0453 MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	4,017.71	1,244.19
26 05 19 16-0454 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	5,139.90	1,364.32
26 05 19 16-0455 MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	3,587.41	1,122.95
26 05 19 16-0456 MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	3,787.08	1,244.19
26 05 19 16-0457 MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	4,763.32	1,404.54
26 05 19 16-0458 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	6,059.73	1,524.07
26 05 19 16-0459 MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	4,237.32	1,244.19
26 05 19 16-0460 MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	4,660.70	1,404.54
26 05 19 16-0461 MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	5,835.78	1,564.48
26 05 19 16-0462 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	7,423.74	1,685.43
26 05 19 16-0463 ACTHH, Stranded <small>(26 05 19 16-0446)</small>		
26 05 19 16-0464 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,341.40	1,444.95
26 05 19 16-0465 MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	6,464.90	1,643.91
26 05 19 16-0466 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	6,260.90	1,604.50
26 05 19 16-0467 MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	7,766.52	1,803.66
26 05 19 16-0468 MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	9,715.18	2,005.62
26 05 19 16-0469 MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	11,127.90	2,203.98
26 05 19 16-0470 MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	12,702.16	2,404.85
26 05 19 16-0471 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	8,022.21	1,924.80
26 05 19 16-0472 MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	9,628.78	2,124.56
26 05 19 16-0473 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,221.56	2,326.72
26 05 19 16-0474 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	13,384.07	2,525.98
26 05 19 16-0475 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	15,769.49	2,725.04
26 05 19 16-0476 HCFC, Solid <small>(26 05 19 16-0446)</small>		
26 05 19 16-0477 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,306.86	1,002.81
26 05 19 16-0478 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,632.45	1,126.76
26 05 19 16-0479 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid.....	4,051.44	1,238.07
26 05 19 16-0480 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,972.50	1,126.76
26 05 19 16-0481 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid.....	4,273.96	1,238.07
26 05 19 16-0482 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid.....	5,505.62	1,412.46
26 05 19 16-0483 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,821.33	1,238.07
26 05 19 16-0484 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid.....	5,292.16	1,412.46
26 05 19 16-0485 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid.....	7,086.46	1,566.90
26 05 19 16-0486 MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0446)</small>		
26 05 19 16-0487 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,023.42	1,002.81
26 05 19 16-0488 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,378.53	1,126.76
26 05 19 16-0489 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,034.23	1,238.07
26 05 19 16-0490 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,098.96	1,323.01
26 05 19 16-0491 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,292.09	1,402.53
26 05 19 16-0492 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,484.75	1,126.76
26 05 19 16-0493 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,924.07	1,238.07
26 05 19 16-0494 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,949.38	1,412.46
26 05 19 16-0495 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,360.36	1,524.07

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0496 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	7,406.51	1,643.91
26 05 19 16-0497 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,103.98	1,765.56
26 05 19 16-0498 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	11,581.15	1,884.99
26 05 19 16-0499 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,024.59	1,238.07
26 05 19 16-0500 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,609.25	1,412.46
26 05 19 16-0501 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,837.00	1,566.90
26 05 19 16-0502 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,183.84	1,726.04
26 05 19 16-0503 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	11,165.81	1,846.78
26 05 19 16-0504 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	14,629.77	1,966.32
26 05 19 16-0505 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	18,799.57	2,084.85
26 05 19 16-0506 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0446)		
26 05 19 16-0507 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,000.56	1,002.81
26 05 19 16-0508 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,319.25	1,126.76
26 05 19 16-0509 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,981.81	1,238.07
26 05 19 16-0510 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,580.22	1,126.76
26 05 19 16-0511 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,871.41	1,238.07
26 05 19 16-0512 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	4,907.74	1,412.46
26 05 19 16-0513 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,478.46	1,238.07
26 05 19 16-0514 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,938.21	1,412.46
26 05 19 16-0515 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,837.00	1,566.90
26 05 19 16-0516 FPLP Solid TFN Red Armored Cable (26 05 19 16-0446)		
Note: Color coded red.		
26 05 19 16-0517 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,752.57	762.14
26 05 19 16-0518 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,139.26	882.47
26 05 19 16-0519 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,819.53	1,002.81
26 05 19 16-0520 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,359.60	1,123.15
26 05 19 16-0521 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,144.85	882.47
26 05 19 16-0522 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,685.43	1,002.81
26 05 19 16-0523 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,520.62	1,123.15
26 05 19 16-0524 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,115.56	1,243.49
26 05 19 16-0525 FPLP Solid THHN Red Armored Cable (26 05 19 16-0446)		
Note: Color coded red.		
26 05 19 16-0526 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,511.21	1,002.81
26 05 19 16-0527 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,263.60	1,123.15
26 05 19 16-0528 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,474.67	1,243.49
26 05 19 16-0529 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,285.98	1,363.82
26 05 19 16-0530 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,317.44	1,123.15
26 05 19 16-0531 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	5,179.56	1,243.49
26 05 19 16-0532 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0446)		
Note: Color coded red.		
26 05 19 16-0533 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,935.43	762.14
26 05 19 16-0534 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,626.27	1,123.15
26 05 19 16-0535 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,566.94	882.47
26 05 19 16-0536 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	4,182.19	1,002.81
26 05 19 16-0537 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,696.63	1,243.49
26 05 19 16-0538 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,185.45	1,042.93
26 05 19 16-0539 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,103.65	1,203.38
26 05 19 16-0540 Armored Cable Connectors (26 05 19 16-0446)		
26 05 19 16-0541 EA 3/4" Armored Cable Connector	5.88	2.20
For Work In Restricted Working Space, Add	1.65	
For Installation Above 14', Add	0.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.65	
26 05 19 16-0542 EA 1" Armored Cable Connector	6.92	2.57
For Work In Restricted Working Space, Add	1.92	
For Installation Above 14', Add	0.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 19 16-0543 EA 1-1/4" Armored Cable Connector	9.84	3.67
For Work In Restricted Working Space, Add	2.75	
For Installation Above 14', Add	1.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 19 16-0544 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0309)		
26 05 19 16-0545 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	705.16	146.96
For EPR Insulation, Add	23.26	
For Hypalon (CSPE) Jacket, Add	54.28	
26 05 19 16-0546 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	799.83	162.73
For EPR Insulation, Add	23.71	
For Hypalon (CSPE) Jacket, Add	55.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0547 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	964.25 34.62 80.79	203.43
26 05 19 16-0548 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	1,296.24 56.92 132.81	323.63
26 05 19 16-0549 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	1,737.78 95.65 223.17	388.34
26 05 19 16-0550 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	2,339.84 144.70 337.63	450.87
26 05 19 16-0551 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	2,667.16 166.30 388.02	516.06
26 05 19 16-0552 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	3,308.63 235.01 548.36	581.23
26 05 19 16-0553 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	4,042.18 317.54 740.93	647.33
26 05 19 16-0554 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	4,844.17 396.59 925.37	730.31
26 05 19 16-0555 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	5,798.77 498.52 1,163.21	809.88
26 05 19 16-0556 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	6,903.40 622.96 1,453.57	904.13
26 05 19 16-0557 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	7,768.16 711.42 1,659.97	1,005.24
26 05 19 16-0558 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	8,291.64 748.68 1,746.93	1,102.52
26 05 19 16-0559 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	9,706.35 919.64 2,145.82	1,211.98
26 05 19 16-0560 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	10,794.00 1,041.53 2,430.23	1,284.87
26 05 19 16-0561 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	12,047.71 1,188.33 2,772.77	1,436.04
26 05 19 16-0562 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	13,690.10 1,393.43 3,251.35	1,597.12
26 05 19 16-0563 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	15,935.06 1,675.17 3,908.73	1,661.66
26 05 19 16-0564 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	25,260.70 2,991.51 6,980.18	1,726.12
26 05 19 16-0565 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	31,559.86 3,881.37 9,056.54	1,844.38
26 05 19 16-0566 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,212.45	329.86
26 05 19 16-0567 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,492.15	366.71
26 05 19 16-0568 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,862.24	440.43
26 05 19 16-0569 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,203.47	513.21
26 05 19 16-0570 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,170.67	549.52
26 05 19 16-0571 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	412.72	183.36
26 05 19 16-0572 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	515.01	201.69
26 05 19 16-0573 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	540.66	147.05
26 05 19 16-0574 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	667.77	175.29
26 05 19 16-0575 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	818.57	220.49
26 05 19 16-0576 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,132.87	290.62
26 05 19 16-0577 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,517.33	350.95
26 05 19 16-0578 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,976.07	414.75
26 05 19 16-0579 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,351.45	469.49
26 05 19 16-0580 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,792.72	525.78
26 05 19 16-0581 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,302.69	593.34
26 05 19 16-0582 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,840.20	649.72
26 05 19 16-0583 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,339.89	718.02
26 05 19 16-0584 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,101.66	759.46
26 05 19 16-0585 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,041.09	854.43
26 05 19 16-0586 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,052.70	908.99
26 05 19 16-0587 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,104.32	1,029.46
26 05 19 16-0588 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,230.38	1,139.28
26 05 19 16-0589 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,318.88	1,170.46
26 05 19 16-0590 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,163.18	1,238.29
26 05 19 16-0591 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,958.66	1,457.22
26 05 19 16-0592 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	22,539.96	1,726.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0593 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	26,953.04	2,084.03
26 05 19 16-0594 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,985.34	440.43
26 05 19 16-0595 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,221.67	513.21
26 05 19 16-0596 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,569.30	587.20
26 05 19 16-0597 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,275.19	659.80
26 05 19 16-0598 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,702.31	733.43
26 05 19 16-0599 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,641.78	806.03
26 05 19 16-0600 600 Volt, Feeder Wire, Single Stranded Aluminum <small>(26 05 19 16-0309)</small>		
26 05 19 16-0601 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,370.21	275.51
26 05 19 16-0602 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,645.19	320.35
26 05 19 16-0603 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,173.29	411.23
26 05 19 16-0604 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,820.92	459.21
26 05 19 16-0605 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,301.29	517.37
26 05 19 16-0606 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,802.76	571.03
26 05 19 16-0607 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,557.10	644.43
26 05 19 16-0608 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,056.96	710.98
26 05 19 16-0609 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,953.98	781.59
26 05 19 16-0610 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	7,653.29	849.97
26 05 19 16-0611 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	7,915.47	918.33
26 05 19 16-0612 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	9,121.69	1,021.44
26 05 19 16-0613 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	10,055.64	1,124.50
26 05 19 16-0614 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	12,455.22	1,309.92
26 05 19 16-0615 MLF 700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	14,185.66	1,436.03
26 05 19 16-0616 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	14,430.61	1,489.27
26 05 19 16-0617 MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit.....	20,445.34	1,806.57
26 05 19 16-0618 MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,319.13	325.55
26 05 19 16-0619 MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,549.32	366.71
26 05 19 16-0620 MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,911.54	451.15
26 05 19 16-0621 MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,445.68	553.00
26 05 19 16-0622 MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,180.41	651.00
26 05 19 16-0623 MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,698.09	733.70
26 05 19 16-0624 MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,242.09	814.92
26 05 19 16-0625 MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,957.31	889.09
26 05 19 16-0626 MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,409.70	946.21
26 05 19 16-0627 MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,243.89	1,012.40
26 05 19 16-0628 MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	7,844.13	1,085.00
26 05 19 16-0629 MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	8,146.47	1,172.10
26 05 19 16-0630 MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	9,292.12	1,278.17
26 05 19 16-0631 MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	10,391.59	1,466.85
26 05 19 16-0632 MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	12,380.94	1,543.67
26 05 19 16-0633 MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	13,903.88	1,627.47
26 05 19 16-0634 MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	14,263.22	1,729.59
26 05 19 16-0635 MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	20,854.87	2,423.97
26 05 19 16-0636 MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,089.98	366.71
26 05 19 16-0637 MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,350.21	451.06
26 05 19 16-0638 MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,671.40	553.74
26 05 19 16-0639 MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,028.99	647.33
26 05 19 16-0640 MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,290.89	730.31
26 05 19 16-0641 MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,569.08	809.88
26 05 19 16-0642 MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,905.68	889.09
26 05 19 16-0643 MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,137.53	946.21
26 05 19 16-0644 MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,469.65	1,011.76
26 05 19 16-0645 MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,002.58	1,086.39
26 05 19 16-0646 MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,270.31	1,173.66
26 05 19 16-0647 MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,692.56	1,275.24
26 05 19 16-0648 MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,399.12	1,466.85
26 05 19 16-0649 MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,976.70	1,539.55
26 05 19 16-0650 MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,513.34	1,627.47
26 05 19 16-0651 MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	6,814.96	1,724.37
26 05 19 16-0652 Non-Metallic Sheathed Cable <small>(26 05 19 16-0309)</small>		
26 05 19 16-0653 Indoor Installation <small>(26 05 19 16-0652)</small>		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0654 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	1,989.95	696.66
For Installation In Wood Stud Wall (Includes Drilling), Add	261.24	
26 05 19 16-0655 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,445.98	843.44
For Installation In Wood Stud Wall (Includes Drilling), Add	316.30	
26 05 19 16-0656 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,199.79	792.10
For Installation In Wood Stud Wall (Includes Drilling), Add	281.91	
26 05 19 16-0657 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,694.85	879.93
For Installation In Wood Stud Wall (Includes Drilling), Add	329.98	
26 05 19 16-0658 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	2,730.34	880.38
For Installation In Wood Stud Wall (Includes Drilling), Add	330.15	
26 05 19 16-0659 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	3,335.02	1,026.98
For Installation In Wood Stud Wall (Includes Drilling), Add	385.11	
26 05 19 16-0660 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable.....	3,449.26	1,054.30
For Installation In Wood Stud Wall (Includes Drilling), Add	375.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0661 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,454.00 453.81	1,274.33
26 05 19 16-0662 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,132.32 426.30	1,200.98
26 05 19 16-0663 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5,303.11 515.69	1,448.51
26 05 19 16-0664 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6,806.46 567.26	1,595.20
26 05 19 16-0665 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9,352.19 618.82	1,732.71
26 05 19 16-0666 Direct Burial Cable <small>(26 05 19 16-0652)</small>		
<small>Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.</small>		
26 05 19 16-0667 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,096.05	
26 05 19 16-0668 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,652.48	
26 05 19 16-0669 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,642.62	
26 05 19 16-0670 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,087.38	
26 05 19 16-0671 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,897.71	
26 05 19 16-0672 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,637.31	
26 05 19 16-0673 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,809.98	
26 05 19 16-0674 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,788.55	
26 05 19 16-0675 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,850.14	
26 05 19 16-0676 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,768.30	
26 05 19 16-0677 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0652)</small>		
26 05 19 16-0678 MLF 12-12-12 Cable SEU Copper	2,541.68	882.77
26 05 19 16-0679 MLF 10-10-10 Cable SEU Copper	3,105.53	1,002.81
26 05 19 16-0680 MLF 8-8-8 Cable SEU Copper	3,764.06	1,122.95
26 05 19 16-0681 MLF 6-6-8 Cable SEU Copper	4,423.75	1,203.88
26 05 19 16-0682 MLF 6-6-6 Cable SEU Copper	4,718.05	1,244.19
26 05 19 16-0683 MLF 4-4-6 Cable SEU Copper	5,629.69	1,364.32
26 05 19 16-0684 MLF 4-4-4 Cable SEU Copper	6,013.65	1,404.54
26 05 19 16-0685 MLF 3-3-5 Cable SEU Copper	6,913.18	1,524.07
26 05 19 16-0686 MLF 3-3-3 Cable SEU Copper	7,331.61	1,604.50
26 05 19 16-0687 MLF 2-2-4 Cable SEU Copper	7,809.33	1,685.43
26 05 19 16-0688 MLF 2-2-2 Cable SEU Copper	8,320.31	1,765.56
26 05 19 16-0689 MLF 1-1-1 Cable SEU Copper	10,061.01	2,005.62
26 05 19 16-0690 MLF 1/0-1/0-1/0 Cable SEU Copper	11,863.57	2,248.51
26 05 19 16-0691 MLF 2/0-2/0-2/0 Cable SEU Copper	14,147.10	2,532.40
26 05 19 16-0692 MLF 3/0-3/0-3/0 Cable SEU Copper	16,838.53	2,816.90
26 05 19 16-0693 MLF 4/0-4/0-4/0 Cable SEU Copper	18,814.48	3,143.61
26 05 19 16-0694 SEU Cable Aluminum, 3 Conductor <small>(26 05 19 16-0652)</small>		
26 05 19 16-0695 MLF 8-8-8 Cable SEU Aluminum	3,892.16	1,126.76
26 05 19 16-0696 MLF 6-6-6 Cable SEU Aluminum	4,477.56	1,238.07
26 05 19 16-0697 MLF 4-4-6 Cable SEU Aluminum	5,059.37	1,355.20
26 05 19 16-0698 MLF 4-4-4 Cable SEU Aluminum	5,303.51	1,412.46
26 05 19 16-0699 MLF 2-2-4 Cable SEU Aluminum	6,361.77	1,671.39
26 05 19 16-0700 MLF 2-2-2 Cable SEU Aluminum	6,766.25	1,759.33
26 05 19 16-0701 MLF 1-1-1 Cable SEU Aluminum	8,222.97	2,005.62
26 05 19 16-0702 MLF 1/0-1/0-2 Cable SEU Aluminum	8,714.97	2,111.22
26 05 19 16-0703 MLF 1/0-1/0-1/0 Cable SEU Aluminum	10,091.68	2,228.45
26 05 19 16-0704 MLF 2/0-2/0-1 Cable SEU Aluminum	9,836.18	2,387.70
26 05 19 16-0705 MLF 2/0-2/0-2/0 Cable SEU Aluminum	10,404.50	2,507.03
26 05 19 16-0706 MLF 3/0-3/0-1/0 Cable SEU Aluminum	11,428.18	2,625.17
26 05 19 16-0707 MLF 3/0-3/0-3/0 Cable SEU Aluminum	12,246.57	2,785.61
26 05 19 16-0708 MLF 4/0-4/0-2/0 Cable SEU Aluminum	12,866.94	3,011.44
26 05 19 16-0709 MLF 4/0-4/0-4/0 Cable SEU Aluminum	13,630.71	3,133.79
26 05 19 16-0710 SER Cable Copper, 4 Conductor <small>(26 05 19 16-0652)</small>		
26 05 19 16-0711 MLF 6-6-6-6 Cable SER Copper	6,398.88	1,444.95
26 05 19 16-0712 MLF 4-4-4-6 Cable SER Copper	7,927.15	1,564.48
26 05 19 16-0713 MLF 3-3-3-5 Cable SER Copper	9,230.02	1,765.56
26 05 19 16-0714 MLF 2-2-2-4 Cable SER Copper	10,626.73	1,924.80
26 05 19 16-0715 MLF 1-1-1-3 Cable SER Copper	12,791.07	2,203.98
26 05 19 16-0716 MLF 1/0-1/0-1/0-2 Cable SER Copper	15,970.02	2,525.98
26 05 19 16-0717 MLF 2/0-2/0-2/0-1 Cable SER Copper	18,757.49	2,725.04
26 05 19 16-0718 MLF 3/0-3/0-3/0-1/0 Cable SER Copper	22,366.35	3,048.05
26 05 19 16-0719 ACSR (Aluminum Conductor Steel Reinforced) <small>(26 05 19 16-0011)</small>		
<small>Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.</small>		
26 05 19 16-0720 ACSR Cable <small>(26 05 19 16-0719)</small>		
26 05 19 16-0721 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,251.72	447.38
26 05 19 16-0722 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,313.64	464.53
26 05 19 16-0723 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	1,389.52	482.42

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0724 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,452.01	499.89
26 05 19 16-0725 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,556.78	516.84
26 05 19 16-0726 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,789.14	585.89
26 05 19 16-0727 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	2,032.44	653.40
26 05 19 16-0728 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	2,292.59	721.82
26 05 19 16-0729 MLF #1 Bare Aluminum Wire.....	1,772.92	632.94
26 05 19 16-0730 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	2,810.26	927.63
26 05 19 16-0731 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	3,210.09	1,064.07
26 05 19 16-0732 All Aluminum Conductors (26 05 19 16-0719)		
26 05 19 16-0733 MLF 795.0 ACSR Conductor Aluminum.....	23,809.91	8,691.26
26 05 19 16-0734 Single Copper Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0735 Bare Stranded Conductor (26 05 19 16-0734)		
26 05 19 16-0736 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,108.07	379.06
26 05 19 16-0737 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,288.19	413.16
26 05 19 16-0738 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,469.39	447.69
26 05 19 16-0739 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,778.63	482.42
26 05 19 16-0740 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,140.09	517.26
26 05 19 16-0741 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,025.84	620.42
26 05 19 16-0742 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,469.38	689.15
26 05 19 16-0743 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,949.47	756.66
26 05 19 16-0744 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,258.48	897.45
26 05 19 16-0745 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,362.47	1,031.82
26 05 19 16-0746 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,849.19	1,169.41
26 05 19 16-0747 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,636.51	1,378.21
26 05 19 16-0748 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,847.89	1,450.78
26 05 19 16-0749 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,951.57	1,519.31
26 05 19 16-0750 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	12,070.80	1,581.64
26 05 19 16-0751 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	14,008.76	1,649.14
26 05 19 16-0752 Insulated Stranded Conductor (26 05 19 16-0734)		
26 05 19 16-0753 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,188.00	379.06
26 05 19 16-0754 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,391.33	413.16
26 05 19 16-0755 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,673.00	447.69
26 05 19 16-0756 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,817.17	482.42
26 05 19 16-0757 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,198.89	517.26
26 05 19 16-0758 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,940.92	620.42
26 05 19 16-0759 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,460.91	689.15
26 05 19 16-0760 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,067.71	756.66
26 05 19 16-0761 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,895.39	897.45
26 05 19 16-0762 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	5,856.37	1,031.82
26 05 19 16-0763 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	6,888.67	1,169.41
26 05 19 16-0764 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,394.94	1,378.21
26 05 19 16-0765 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,487.32	1,450.78
26 05 19 16-0766 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,381.18	1,519.31
26 05 19 16-0767 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	11,597.87	1,581.64
26 05 19 16-0768 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	13,002.85	1,649.14
26 05 19 16-0769 Bare Solid Conductor (26 05 19 16-0734)		
26 05 19 16-0770 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,108.07	379.06
26 05 19 16-0771 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,469.39	447.69
26 05 19 16-0772 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,778.63	482.42
26 05 19 16-0773 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	2,115.79	517.26
26 05 19 23 Manufactured Wiring Assemblies (26 05 19)		
26 05 19 23-0001 Festoon Cable Systems Complete System (26 05 19 23)		
26 05 19 23-0002 Components (26 05 19 23-0001)		
26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components	13.41	6.02
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components	53.32	22.06
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components.....	43.64	22.06
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components	11.09	5.01
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	55.43	25.07
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	42.82	2.00
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	49.11	2.00
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	321.26	125.35
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components.....	28.90	10.04
26 05 19 23-0012 Cable (26 05 19 23-0001)		
26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.60	2.00
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	7.06	2.00
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.14	2.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.13	2.00
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.61	2.00
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.17	2.00
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.41	2.00
26 05 19 23-0020 Complete Systems <small>(26 05 19 23-0001)</small>		
26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment.....	5,343.01	2,005.62
Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.		
26 05 23 Control-Voltage Electrical Power Cables <small>(26 05)</small>		
26 05 23 00-0001 Cable For Sound System <small>(26 05 23)</small>		
26 05 23 00-0002 Shielded Conductors <small>(26 05 23 00-0001)</small>		
Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.		
26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	800.57	366.71
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,198.08	366.71
26 05 23 00-0005 MLF 3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	1,019.42	217.31
26 05 23 00-0006 MLF 6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	1,069.65	222.23
26 05 23 00-0007 Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts <small>(26 05 23 00-0007)</small>		
Note: For surface or conduit installation.		
26 05 23 00-0009 MLF #20/2 Conductor, Low Volt Thermostat Cable	386.72	116.89
26 05 23 00-0010 MLF #20/3 Conductor, Low Volt Thermostat Cable	438.90	123.12
26 05 23 00-0011 MLF #20/4 Conductor, Low Volt Thermostat Cable	474.87	130.19
26 05 23 00-0012 MLF #20/5 Conductor, Low Volt Thermostat Cable	563.63	135.69
26 05 23 00-0013 MLF #20/6 Conductor, Low Volt Thermostat Cable	590.34	142.10
26 05 23 00-0014 MLF #20/7 Conductor, Low Volt Thermostat Cable	647.99	148.01
26 05 23 00-0015 MLF #20/8 Conductor, Low Volt Thermostat Cable	698.28	153.93
26 05 23 00-0016 MLF #20/9 Conductor, Low Volt Thermostat Cable	756.34	160.07
26 05 23 00-0017 MLF #20/10 Conductor, Low Volt Thermostat Cable	811.88	164.87
26 05 23 00-0018 MLF #18/2 Conductor, Low Volt Thermostat Cable	417.45	116.89
26 05 23 00-0019 MLF #18/3 Conductor, Low Volt Thermostat Cable	493.73	123.12
26 05 23 00-0020 MLF #18/4 Conductor, Low Volt Thermostat Cable	561.86	130.19
26 05 23 00-0021 MLF #18/5 Conductor, Low Volt Thermostat Cable	599.54	135.69
26 05 23 00-0022 MLF #18/6 Conductor, Low Volt Thermostat Cable	662.48	142.10
26 05 23 00-0023 MLF #18/7 Conductor, Low Volt Thermostat Cable	681.11	148.01
26 05 23 00-0024 MLF #18/8 Conductor, Low Volt Thermostat Cable	748.82	153.93
26 05 23 00-0025 MLF #18/9 Conductor, Low Volt Thermostat Cable	877.62	160.07
26 05 23 00-0026 MLF #18/10 Conductor, Low Volt Thermostat Cable	961.46	164.87
26 05 26 Grounding And Bonding For Electrical Systems <small>(26 05)</small>		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>		
26 05 26 00-0002 Single Conductor <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003 Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	490.87	186.50
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	644.19	186.50
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	798.27	224.65
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,089.09	224.65
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,454.57	271.27
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	2,274.30	271.27
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	2,628.68	326.37
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	3,082.26	326.37
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	4,307.09	411.14
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	5,304.01	411.14
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	5,634.90	546.78
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	7,222.58	546.78
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	7,251.21	631.55
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	9,750.41	631.55
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	13,296.07	779.90
26 05 26 00-0019 Copper Insulated Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	906.24	254.31
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	968.66	254.31
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,238.87	254.31
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,409.27	440.82
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	1,900.55	440.82
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	2,678.06	440.82
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	3,234.06	771.42

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	3,942.90	771.42
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	4,617.07	771.42
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	5,494.04	771.42
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	6,474.98	1,008.79
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	7,821.76	1,008.79
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	9,105.25	1,008.79
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	10,672.26	1,568.28
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	13,918.34	1,568.28
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	490.87	186.50
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	644.19	186.50
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	798.27	224.65
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,089.09	224.65
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,454.57	271.27
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	2,274.30	271.27
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	3,082.26	326.37
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	5,634.90	432.33
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	540.15	224.65
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	590.24	224.65
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	667.64	271.27
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	824.34	271.27
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	940.19	326.37
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	1,076.71	326.37
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	1,226.77	411.14
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	1,405.20	411.14
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	1,674.94	546.78
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	1,869.32	546.78
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	2,198.72	631.55
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	2,481.33	631.55
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	2,926.04	779.90
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	540.15	224.65
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	590.24	224.65
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	667.64	271.27
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	824.34	271.27
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	905.98	432.33
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	1,076.71	432.33
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	1,142.02	411.14
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	1,234.55	411.14
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	1,674.94	546.78
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	1,869.32	546.78
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	2,198.72	631.55
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	2,481.33	631.55
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	2,926.04	779.90
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.14	0.69
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.36	0.76
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.78	0.87
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.73	0.89
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.94	0.93
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	99.35	25.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 15.04</i>		
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	164.73	30.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 18.05</i>		
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	206.60	30.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 18.05</i>		
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	247.89	30.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 18.05</i>		
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	220.31	32.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 22.56</i>		
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	280.53	32.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 22.56</i>		
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	332.86	32.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 22.56</i>		
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	282.92	41.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 24.82</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	340.44 30.09	50.14
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.01 31.34	55.15
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.93 38.57	55.15
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.15 45.58	85.24
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	355.60 55.71	85.24
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	84.77	75.21
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	88.27	75.21
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	102.40	75.21
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	99.71	75.21
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	104.09	75.21
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	121.75	75.21
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	261.00	75.21
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	323.26	75.21
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	494.02	75.21
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	167.73	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	175.43	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	461.23	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	468.94	
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	281.47	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	328.40	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	595.39	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	269.79	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	272.05	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	571.73	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	157.42	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	168.49	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	177.64	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	124.75	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	177.91	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	303.19	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	397.58	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	247.86	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	352.35	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	368.00	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	448.18	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	206.26	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	348.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	374.06	
26 05 26 00-0132 Polymer Concrete Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	294.42	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	321.50	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	323.42	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	353.18	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	353.51	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	386.16	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	466.08	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	510.38	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	115.55	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	158.90	
26 05 26 00-0144 Ground Rod Clamps And Fittings <small>(26 05 26)</small>		
26 05 26 00-0145 Bronze Ground Rod Clamp <small>(26 05 26 00-0144)</small>		
26 05 26 00-0146 EA 1/2" Bronze Ground Rod Clamp	20.00	11.33
26 05 26 00-0147 EA 5/8" Bronze Ground Rod Clamp	20.88	11.33
26 05 26 00-0148 EA 3/4" Bronze Ground Rod Clamp	22.14	11.33
26 05 26 00-0149 Bronze Pipe Clamps <small>(26 05 26 00-0144)</small>		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	27.30	18.85
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe	35.03	22.56
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe	53.65	26.38
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe	65.28	33.89
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe	100.54	48.94
26 05 26 00-0155 Grounding Fittings <small>(26 05 26 00-0144)</small>		
26 05 26 00-0156 Embedded Fittings <small>(26 05 26 00-0155)</small>		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	134.61	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	142.61	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded	156.79	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	132.30	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	158.53	
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	185.91	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	209.44	
26 05 26 00-0164 Ground Rod Receptacle <small>(26 05 26 00-0155)</small>		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle	290.10	104.29
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle	303.01	107.23
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle	316.23	110.15
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0155)</small>		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit	65.20	25.07
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit	56.77	25.07
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit	71.92	25.07
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit	61.41	25.07
26 05 26 00-0173 Insulated Grounding Bars <small>(26 05 26 00-0144)</small>		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.70 45.13	25.17
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.68 45.13	25.17
26 05 26 00-0176 Ground Conductor Bonding <small>(26 05 26)</small>		
26 05 26 00-0177 Ground Conductor Bonding <small>(26 05 26 00-0176)</small>		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	118.15	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	128.17	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	138.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	198.36	
26 05 26 00-0183 Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	133.18	
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	153.24	
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	188.34	
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	228.45	
26 05 26 00-0188 Grounding Equipment <small>(26 05 26)</small>		
26 05 26 00-0189 Special Grounding Equipment <small>(26 05 26 00-0188)</small>		
26 05 26 00-0190 Ground Reels And Ground Bus <small>(26 05 26 00-0189)</small>		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable	613.95	
26 05 26 00-0192 Copper Bars <small>(26 05 26 00-0189)</small>		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar	35.72	
26 05 26 00-0194 Phenolic Insulators <small>(26 05 26 00-0189)</small>		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.09 6.02	
26 05 26 00-0196 Grounding Studs <small>(26 05 26 00-0189)</small>		
26 05 26 00-0197 EA Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.82 8.98	
26 05 26 00-0198 Equipment Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.10 6.02	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.94 6.62	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.01 7.52	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.75 9.03	
26 05 26 00-0203 Panelboard Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0204 EA Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.71 7.52	7.52
26 05 26 00-0205 Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.08 4.51	4.51
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66 4.51	4.51
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.36 4.51	4.51
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.62 5.12	5.11
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.43 5.72	5.72
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.69 6.32	6.32
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.80 7.22	7.22
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.90 8.42	8.43
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.73 6.32	6.32
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.95 7.22	7.22
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.20 8.42	8.43
26 05 29 Hangers And Supports For Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001 Metal Framing Channel And Fittings <small>(26 05 29)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0002 Metal Framing Channel <small>(26 05 29 00-0001)</small>		
26 05 29 00-0003 14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	16.91	5.50
26 05 29 00-0005 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	18.21	5.50
26 05 29 00-0006 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.21	2.06
26 05 29 00-0007 12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0008 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	17.90	5.50
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	17.56	5.50
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	17.34	5.50
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	20.19	5.50
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	19.52	5.50
26 05 29 00-0013 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	19.09	5.50
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.20	2.06
26 05 29 00-0015 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.86	2.06
26 05 29 00-0016 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.64	2.06
26 05 29 00-0017 Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>		
26 05 29 00-0018 Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0017)</small>		
26 05 29 00-0019 LF Raceway Closure Strip For Unistrut Channel	4.39	0.50
26 05 29 00-0020 EA End Cap For Unistrut Channel	11.37	5.02
26 05 29 00-0021 Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0022 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	4.57	
26 05 29 00-0023 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	4.54	
26 05 29 00-0024 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting	5.42	
26 05 29 00-0025 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0026 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Unistrut Channel Fitting	4.44	
26 05 29 00-0027 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Unistrut Channel Fitting	3.80	
26 05 29 00-0028 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Unistrut Channel Fitting	6.19	
26 05 29 00-0029 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Unistrut Channel Fitting	6.11	
26 05 29 00-0030 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0031 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Unistrut Channel Fitting	8.63	
26 05 29 00-0032 U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0033 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Unistrut Channel Fitting	4.93	
26 05 29 00-0034 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Unistrut Channel Fitting	5.59	
26 05 29 00-0035 Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0036 EA 3-Hole, Z-Bracket, Unistrut Channel Fitting	8.85	
26 05 29 00-0037 Unistrut Channel Pipe Clamps <small>(26 05 29 00-0017)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0038 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.95	1.50
26 05 29 00-0039 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.97	1.50
26 05 29 00-0040 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.04	1.50
26 05 29 00-0041 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.14	2.01
26 05 29 00-0042 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.53	2.01
26 05 29 00-0043 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.57	2.01
26 05 29 00-0044 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.85	2.51
26 05 29 00-0045 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.19	2.51
26 05 29 00-0046 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.52	2.51
26 05 29 00-0047 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.63	2.51
26 05 29 00-0048 Beam Clamps <small>(26 05 29 00-0017)</small>		
26 05 29 00-0049 EA Set Screw Beam Clamp, Unistrut Channel Fitting	28.24	9.17
26 05 29 00-0050 EA "C" Beam Clamp Use With 1/2" Rod Metal Framing Channel Fittings	22.85	9.17
26 05 29 00-0051 EA "U" Bolt Beam Clamp, Unistrut Channel Fitting	27.47	9.17
26 05 29 00-0052 Square Washers For Unistrut Channel <small>(26 05 29 00-0017)</small>		
26 05 29 00-0053 EA 1/2" Bolt Size, Square Washer For Unistrut Channel	3.28	
26 05 29 00-0054 Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0055 EA 16" Diagonal Bar Brace For Unistrut Channel	23.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0056 Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0017)</small>		
26 05 29 00-0057 EA Trolley Track Hanger For Unistrut Channel	29.30	
26 05 29 00-0058 Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0017)</small>		
<small>Note: Includes hex bolt.</small>		
26 05 29 00-0059 EA 1/4-20 Lock Nut With Spring For Unistrut Channel	6.33	
26 05 29 00-0060 EA 3/8-16 Lock Nut With Spring For Unistrut Channel	6.79	
26 05 29 00-0061 EA 1/2-13 Lock Nut With Spring For Unistrut Channel	7.14	
26 05 29 00-0062 EA 5/8-11 Lock Nut With Spring For Unistrut Channel	9.02	
26 05 29 00-0063 Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0017)</small>		
<small>Note: Includes hex bolt.</small>		
26 05 29 00-0064 EA 1/4-20 Lock Nut Without Spring For Unistrut Channel	6.34	
26 05 29 00-0065 EA 3/8-16 Lock Nut Without Spring For Unistrut Channel	6.86	
26 05 29 00-0066 EA 1/2-13 Lock Nut Without Spring For Unistrut Channel	7.17	
26 05 29 00-0067 EA 5/8-11 Lock Nut Without Spring For Unistrut Channel	9.57	
26 05 29 00-0068 Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0069 Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070 Galvanized Steel Back Plate <small>(26 05 29 00-0069)</small>		
26 05 29 00-0071 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	336.33	60.17
26 05 29 00-0072 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	85.68	20.06
26 05 29 00-0073 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	216.58	50.14
26 05 29 00-0074 Aluminum Mounting Assemblies <small>(26 05 29 00-0068)</small>		
26 05 29 00-0075 Aluminum Back Plate <small>(26 05 29 00-0074)</small>		
26 05 29 00-0076 EA 3/16" x 2' x 2' Aluminum Back Plate	203.29	75.21
26 05 29 00-0077 EA 3/16" x 4' x 4' Aluminum Back Plate	451.54	75.21
26 05 29 00-0078 Supports <small>(26 05 29)</small>		
26 05 29 00-0079 One Hole Steel Conduit Straps <small>(26 05 29 00-0078)</small>		
26 05 29 00-0080 EA 1/2", One Hole Steel Conduit Strap	3.51	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.17	
<i>For >100 To 250, Deduct</i>		
	-0.34	
<i>For >250 To 500, Deduct</i>		
	-0.66	
<i>For >500, Deduct</i>		
	-0.99	
26 05 29 00-0081 EA 3/4", One Hole Steel Conduit Strap	3.55	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.17	
<i>For >100 To 250, Deduct</i>		
	-0.34	
<i>For >250 To 500, Deduct</i>		
	-0.67	
<i>For >500, Deduct</i>		
	-1.00	
26 05 29 00-0082 EA 1", One Hole Steel Conduit Strap	3.72	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.17	
<i>For >100 To 250, Deduct</i>		
	-0.35	
<i>For >250 To 500, Deduct</i>		
	-0.68	
<i>For >500, Deduct</i>		
	-1.01	
26 05 29 00-0083 EA 1-1/4", One Hole Steel Conduit Strap	3.85	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.18	
<i>For >100 To 250, Deduct</i>		
	-0.35	
<i>For >250 To 500, Deduct</i>		
	-0.69	
<i>For >500, Deduct</i>		
	-1.03	
26 05 29 00-0084 EA 1-1/2", One Hole Steel Conduit Strap	3.93	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.18	
<i>For >100 To 250, Deduct</i>		
	-0.36	
<i>For >250 To 500, Deduct</i>		
	-0.70	
<i>For >500, Deduct</i>		
	-1.04	
26 05 29 00-0085 EA 2", One Hole Steel Conduit Strap	4.45	
<i>For Work In Restricted Working Space, Add</i>		
	0.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>		
	0.90	
<i>For >50 To 100, Deduct</i>		
	-0.19	
<i>For >100 To 250, Deduct</i>		
	-0.38	
<i>For >250 To 500, Deduct</i>		
	-0.74	
<i>For >500, Deduct</i>		
	-1.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0086	EA		2-1/2", One Hole Steel Conduit Strap	4.98	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.14	
26 05 29 00-0087	EA		3", One Hole Steel Conduit Strap	5.16	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0088	EA		3-1/2", One Hole Steel Conduit Strap	6.03	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.25	
26 05 29 00-0089	EA		4", One Hole Steel Conduit Strap	6.72	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.31	
26 05 29 00-0090			One Hole Iron Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0091	EA		1/2", One Hole Iron Conduit Strap	3.60	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0092	EA		3/4", One Hole Iron Conduit Strap	3.68	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.01	
26 05 29 00-0093	EA		1", One Hole Iron Conduit Strap	3.83	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0094	EA		1-1/4", One Hole Iron Conduit Strap	4.19	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0095	EA		1-1/2", One Hole Iron Conduit Strap	4.34	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0096	EA		2", One Hole Iron Conduit Strap	5.25	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0097	EA		2-1/2", One Hole Iron Conduit Strap	7.23	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.37	
26 05 29 00-0098	EA		3", One Hole Iron Conduit Strap	8.87	
			<i>For Work In Restricted Working Space, Add</i>	0.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500, Deduct</i>	-1.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0099 EA 3-1/2", One Hole Iron Conduit Strap	11.27	
For Work In Restricted Working Space, Add	0.96	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.77	
26 05 29 00-0100 EA 4", One Hole Iron Conduit Strap	20.89	
For Work In Restricted Working Space, Add	0.96	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.60	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.73	
26 05 29 00-0101 EA 5", One Hole Iron Conduit Strap	26.06	
For Work In Restricted Working Space, Add	0.96	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.90	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-3.25	
26 05 29 00-0102 Two Hole Steel Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0103 EA 1/2", Two Hole Steel Conduit Strap	4.01	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.12	
26 05 29 00-0104 EA 3/4", Two Hole Steel Conduit Strap	4.07	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.13	
26 05 29 00-0105 EA 1", Two Hole Steel Conduit Strap	4.10	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.13	
26 05 29 00-0106 EA 1-1/4", Two Hole Steel Conduit Strap	4.14	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.14	
26 05 29 00-0107 EA 1-1/2", Two Hole Steel Conduit Strap	4.17	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.14	
26 05 29 00-0108 EA 2", Two Hole Steel Conduit Strap	4.24	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.15	
26 05 29 00-0109 EA 2-1/2", Two Hole Steel Conduit Strap	4.64	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.19	
26 05 29 00-0110 EA 3", Two Hole Steel Conduit Strap	4.72	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.19	
26 05 29 00-0111 EA 3-1/2", Two Hole Steel Conduit Strap	5.03	
For Work In Restricted Working Space, Add	1.08	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.10	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0112	EA		4", Two Hole Steel Conduit Strap	5.25	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.10	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.25	
26 05 29 00-0113	EA		5", Two Hole Steel Conduit Strap	5.53	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.10	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0114			Clamp Back Spacers (26 05 29 00-0078)		
26 05 29 00-0115	EA		1/2" Conduit, Clamp Back Spacer.....	3.10	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0116	EA		3/4" Conduit, Clamp Back Spacer.....	3.30	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0117	EA		1" Conduit, Clamp Back Spacer.....	3.49	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0118	EA		1-1/4" Conduit, Clamp Back Spacer	4.23	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0119	EA		1-1/2" Conduit, Clamp Back Spacer	4.82	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0120	EA		2" Conduit, Clamp Back Spacer.....	5.45	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0121	EA		2-1/2" Conduit, Clamp Back Spacer	7.99	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.30	
26 05 29 00-0122	EA		3" Conduit, Clamp Back Spacer.....	11.03	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0123	EA		3-1/2" Conduit, Clamp Back Spacer	13.98	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.90	
26 05 29 00-0124	EA		4" Conduit, Clamp Back Spacer.....	27.82	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-3.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0125 EA 5" Conduit, Clamp Back Spacer.....	51.19	
<i>For Work In Restricted Working Space, Add</i>	0.75	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.73	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 250, Deduct</i>	-2.68	
<i>For >250 To 500, Deduct</i>	-4.15	
<i>For >500, Deduct</i>	-5.62	
26 05 29 00-0126 Conduit Clips <small>(26 05 29 00-0078)</small>		
Note: Push in or clip.		
26 05 29 00-0127 EA 1/2" Conduit Clip.....	3.87	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0128 EA 3/4" Conduit Clip.....	3.87	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0129 EA 1" Conduit Clip.....	3.75	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0130 EA 1-1/4" Conduit Clip.....	3.86	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.90	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0131 Bolt And Nut Conduit Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0132 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	4.88	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.10	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.87	
<i>For >500, Deduct</i>	-1.29	
26 05 29 00-0133 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	5.03	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.10	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.31	
26 05 29 00-0134 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.36	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.17	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.39	
26 05 29 00-0135 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.44	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.17	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0136 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.17	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0137 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	6.49	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.55	
26 05 29 00-0138 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	6.99	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
<i>For >50 To 100, Deduct</i>	-0.29	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0139 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	12.17	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.35	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.54	
<i>For >500, Deduct</i>	-2.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0140 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0078) Note: Bat wing.		
26 05 29 00-0141 EA 1/2", Conduit Hanger From Flange, Wire Or Rod .....2.76		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.76	
26 05 29 00-0142 EA 3/4", Conduit Hanger From Flange, Wire Or Rod .....2.79		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.76	
26 05 29 00-0143 EA 1", Conduit Hanger From Flange, Wire Or Rod .....2.88		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.77	
26 05 29 00-0144 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod .....3.09		
For Installation On Concrete (Includes Drilling And Fastener), Add	0.70	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.79	
26 05 29 00-0145 Beam Flange Clamps (26 05 29 00-0078) Note: For threaded rod, nut not required.		
26 05 29 00-0146 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) .....3.70		
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0147 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) .....3.65		
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0148 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) .....3.98		
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.90	
26 05 29 00-0149 T-Bar Support Clips (26 05 29 00-0078)		
26 05 29 00-0150 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) .....6.47		
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.11	
For >500, Deduct	-1.65	
26 05 29 00-0151 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) .....6.21		
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.62	
26 05 29 00-0152 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) .....2.14		
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.46	
26 05 29 00-0153 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) .....14.86		
For >50 To 100, Deduct	-0.42	
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.89	
26 05 29 00-0154 Switch And Outlet Box Type Supports (26 05 29 00-0078)		
26 05 29 00-0155 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....4.20		
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.82	
26 05 29 00-0156 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) .....3.66		
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0157 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.12	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0158 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.88	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0159 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	2.98	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0160 Lighting Fixture Hanger <small>(26 05 29 00-0078)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0161 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.54	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0162 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	12.57	
<i>For >50 To 100, Deduct</i>	-0.41	
<i>For >100 To 250, Deduct</i>	-0.83	
<i>For >250 To 500, Deduct</i>	-1.44	
<i>For >500, Deduct</i>	-2.06	
26 05 29 00-0163 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	16.79	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.48	
26 05 29 00-0164 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0165 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.95	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-1.00	
<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 29 00-0166 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.97	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-1.00	
<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 29 00-0167 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.04	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.01	
<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 29 00-0168 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.14	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.89	
<i>For >500, Deduct</i>	-1.32	
<i>For Work In Restricted Working Space, Add</i>	1.20	
26 05 29 00-0169 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.53	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.36	
<i>For Work In Restricted Working Space, Add</i>	1.20	
26 05 29 00-0170 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.57	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.48	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.36	
<i>For Work In Restricted Working Space, Add</i>	1.20	
26 05 29 00-0171 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.84	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.59	
<i>For >250 To 500, Deduct</i>	-1.14	
<i>For >500, Deduct</i>	-1.69	
<i>For Work In Restricted Working Space, Add</i>	1.50	
26 05 29 00-0172 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.18	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.72	
<i>For Work In Restricted Working Space, Add</i>	1.50	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0173 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.51	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.75	
For Work In Restricted Working Space, Add	1.50	
26 05 29 00-0174 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.62	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.76	
For Work In Restricted Working Space, Add	1.50	
26 05 29 00-0175 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0176 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.20	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.02	
For Work In Restricted Working Space, Add	0.90	
26 05 29 00-0177 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.17	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.02	
For Work In Restricted Working Space, Add	0.90	
26 05 29 00-0178 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.13	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.02	
For Work In Restricted Working Space, Add	0.90	
26 05 29 00-0179 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.45	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.35	
For Work In Restricted Working Space, Add	1.20	
26 05 29 00-0180 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.11	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.41	
For Work In Restricted Working Space, Add	1.20	
26 05 29 00-0181 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.15	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.42	
For Work In Restricted Working Space, Add	1.20	
26 05 29 00-0182 "J" Type Conduit Hangers <small>(26 05 29 00-0078)</small>		
26 05 29 00-0183 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205)	15.88	
For >50 To 100, Deduct	-0.57	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.99	
For Work In Restricted Working Space, Add	2.11	
26 05 29 00-0184 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207)	16.03	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-3.01	
For Work In Restricted Working Space, Add	2.11	
26 05 29 00-0185 EA 1", "J" Type Conduit Hanger (Unistrut J1210)	17.17	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.32	
For Work In Restricted Working Space, Add	2.41	
26 05 29 00-0186 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	17.34	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-3.34	
For Work In Restricted Working Space, Add	2.41	
26 05 29 00-0187 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	18.46	
For >50 To 100, Deduct	-0.69	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.65	
For Work In Restricted Working Space, Add	2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0188 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	19.09	
<i>For >50 To 100, Deduct</i>	-0.70	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-2.56	
<i>For >500, Deduct</i>	-3.72	
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 29 00-0189 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	29.08	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100 To 250, Deduct</i>	-1.96	
<i>For >250 To 500, Deduct</i>	-3.43	
<i>For >500, Deduct</i>	-4.91	
<i>For Work In Restricted Working Space, Add</i>	3.01	
26 05 29 00-0190 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	31.03	
<i>For >50 To 100, Deduct</i>	-1.05	
<i>For >100 To 250, Deduct</i>	-2.10	
<i>For >250 To 500, Deduct</i>	-3.71	
<i>For >500, Deduct</i>	-5.31	
<i>For Work In Restricted Working Space, Add</i>	3.31	
26 05 29 00-0191 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	33.45	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 500, Deduct</i>	-4.01	
<i>For >500, Deduct</i>	-5.75	
<i>For Work In Restricted Working Space, Add</i>	3.61	
26 05 29 00-0192 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	43.20	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.76	
<i>For >250 To 500, Deduct</i>	-4.74	
<i>For >500, Deduct</i>	-6.73	
<i>For Work In Restricted Working Space, Add</i>	3.61	
26 05 29 00-0193 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	47.40	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100 To 250, Deduct</i>	-3.02	
<i>For >250 To 500, Deduct</i>	-5.18	
<i>For >500, Deduct</i>	-7.35	
<i>For Work In Restricted Working Space, Add</i>	3.91	
26 05 29 00-0194 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	65.76	
<i>For >50 To 100, Deduct</i>	-2.02	
<i>For >100 To 250, Deduct</i>	-4.04	
<i>For >250 To 500, Deduct</i>	-6.81	
<i>For >500, Deduct</i>	-9.58	
<i>For Work In Restricted Working Space, Add</i>	4.51	
26 05 29 00-0195 Between Studs Box Brackets <small>(26 05 29 00-0078)</small>		
26 05 29 00-0196 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.88	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.19	
<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 29 00-0197 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.87	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.89	
<i>For >500, Deduct</i>	-1.29	
<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 29 00-0198 Hangers And Brackets <small>(26 05 29 00-0078)</small>		
26 05 29 00-0199 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.38	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0200 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	2.32	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.63	
26 05 29 00-0201 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	2.32	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.63	
26 05 29 00-0202 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.92	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0203 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.93	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.69	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0204	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.86	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0205	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.92	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0206	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.93	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0207			Clips And Accessories <small>(26 05 29 00-0078)</small>		
26 05 29 00-0208	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.58	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500, Deduct</i>	-0.41	
26 05 29 00-0209	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.60	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.41	
26 05 29 00-0210	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.69	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.42	
26 05 29 00-0211	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.88	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.44	
26 05 29 00-0212			Wire Ties <small>(26 05 29 00-0078)</small>		
			Note: Per hundred (C).		
26 05 29 00-0213	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.31	
			<i>For UV Black, Add</i>	0.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 29 00-0214	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.42	
			<i>For UV Black, Add</i>	0.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 29 00-0215	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	13.50	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 29 00-0216	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	13.53	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 29 00-0217	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	14.02	
			<i>For UV Black, Add</i>	0.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	
26 05 29 00-0218	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties	16.92	
			<i>For UV Black, Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 29 00-0219	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	16.37	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 29 00-0220	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties	16.87	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	
26 05 29 00-0221	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties	17.39	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 29 00-0222	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties	26.11	
			<i>For UV Black, Add</i>	2.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 29 00-0223	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	27.36	
			<i>For UV Black, Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 29 00-0224	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties	18.27	
			<i>For UV Black, Add</i>	1.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 29 00-0225	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties	17.16	
			<i>For UV Black, Add</i>	0.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 29 00-0226	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	26.45	
			<i>For UV Black, Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0227 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	30.46	
For UV Black, Add	2.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.92	
26 05 29 00-0228 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	30.07	
For UV Black, Add	2.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 29 00-0229 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	32.97	
For UV Black, Add	3.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.69	
26 05 29 00-0230 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	40.24	
For UV Black, Add	4.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.92	
26 05 29 00-0231 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	58.46	
For UV Black, Add	6.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 29 00-0232 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	56.56	
For UV Black, Add	6.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 29 00-0233 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	69.37	
For UV Black, Add	8.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 29 00-0234 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	80.59	
For UV Black, Add	9.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.59	
26 05 29 00-0235 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	111.36	
For UV Black, Add	14.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 29 00-0236 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	32.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 05 29 00-0237 C 1.1" x 1.1" Tie Mounts With Screw.....	65.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 29 00-0238 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0239 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0240 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0241 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0242 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	54.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.94	
26 05 29 00-0243 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0244 Toggle Bolts <small>(26 05 29 00-0243)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0245 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	7.64	
For >50 To 100, Deduct	-0.74	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.70	
26 05 29 00-0246 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.74	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.79	
26 05 29 00-0247 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.19	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.73	
For >500, Deduct	-3.90	
26 05 29 00-0248 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.40	
For >50 To 100, Deduct	-0.80	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.80	
For >500, Deduct	-4.00	
26 05 29 00-0249 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.59	
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-4.09	
26 05 29 00-0250 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.41	
For >50 To 100, Deduct	-0.85	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.97	
For >500, Deduct	-4.24	
26 05 29 00-0251 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.75	
For >50 To 100, Deduct	-0.88	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-4.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0252			Machine Screws <small>(26 05 29 00-0243)</small> Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0253	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.27	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.12	
26 05 29 00-0254	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.30	
			For >50 To 100, Deduct	-0.22	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.12	
26 05 29 00-0255	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.89	
			For >50 To 100, Deduct	-0.28	
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.99	
			For >500, Deduct	-1.41	
26 05 29 00-0256	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.98	
			For >50 To 100, Deduct	-0.28	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.99	
			For >500, Deduct	-1.42	
26 05 29 00-0257	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.63	
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.19	
			For >500, Deduct	-1.70	
26 05 29 00-0258			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0243)</small> Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0259	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.44	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.46	
26 05 29 00-0260	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.41	
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.46	
26 05 29 00-0261	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.61	
			For >50 To 100, Deduct	-0.37	
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.26	
			For >500, Deduct	-1.80	
26 05 29 00-0262	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.75	
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.50	
			For >500, Deduct	-2.13	
26 05 29 00-0263			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0243)</small> Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0264	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.60	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-1.15	
26 05 29 00-0265	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.63	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-1.15	
26 05 29 00-0266	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.08	
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.30	
26 05 29 00-0267			Hollow Wall Screw Anchors <small>(26 05 29 00-0243)</small>		
26 05 29 00-0268	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.54	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.69	
26 05 29 00-0269	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.57	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.48	
			For >500, Deduct	-0.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0270 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.63	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0271 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.02	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0272 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.09	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0273 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.11	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0274 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.13	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0275 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.23	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0276 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.27	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0277 Lead Screw Anchors <small>(26 05 29 00-0243)</small>		
Note: Includes screw.		
26 05 29 00-0278 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.70	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.70	
<i>For >250 To 500, Deduct</i>	-1.22	
<i>For >500, Deduct</i>	-1.74	
26 05 29 00-0279 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.36	
<i>For >50 To 100, Deduct</i>	-0.41	
<i>For >100 To 250, Deduct</i>	-0.81	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-2.02	
26 05 29 00-0280 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.79	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.59	
26 05 29 00-0281 Acoustical T-Bar Clips <small>(26 05 29 00-0243)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0282 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	5.74	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.93	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-2.28	
26 05 29 00-0283 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	6.03	
<i>For >50 To 100, Deduct</i>	-0.49	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.40	
26 05 29 00-0284 EA 1" Conduit, Push-In Acoustical T-Bar Clip	6.52	
<i>For >50 To 100, Deduct</i>	-0.52	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.55	
26 05 29 00-0285 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0286 Threaded Rod And Rod Accessories <small>(26 05 29 00-0285)</small>		
26 05 29 00-0287 Carbon Steel Threaded Rod <small>(26 05 29 00-0286)</small>		
Note: Includes plain finish.		
26 05 29 00-0288 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.54	0.63
<i>For Galvanized, Add</i>	0.52	
<i>For Zinc Coated, Add</i>	0.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0289	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.38	0.67
			<i>For Galvanized, Add</i>	0.82	
			<i>For Zinc Coated, Add</i>	0.58	
26 05 29 00-0290	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.56	0.69
			<i>For Galvanized, Add</i>	1.27	
			<i>For Zinc Coated, Add</i>	0.91	
26 05 29 00-0291	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.20	0.71
			<i>For Galvanized, Add</i>	2.31	
			<i>For Zinc Coated, Add</i>	1.65	
26 05 29 00-0292	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.82	0.74
			<i>For Galvanized, Add</i>	2.54	
			<i>For Zinc Coated, Add</i>	1.81	
26 05 29 00-0293	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.60	0.83
			<i>For Galvanized, Add</i>	3.57	
			<i>For Zinc Coated, Add</i>	2.54	
26 05 29 00-0294	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.11	0.93
			<i>For Galvanized, Add</i>	4.50	
			<i>For Zinc Coated, Add</i>	3.21	
26 05 29 00-0295 Threaded Rod Couplings (26 05 29 00-0286)					
26 05 29 00-0296	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	7.57	
26 05 29 00-0297	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	8.54	
26 05 29 00-0298	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	10.34	
26 05 29 00-0299	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	12.22	
26 05 29 00-0300	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	16.69	
26 05 29 00-0301	EA		1" Diameter, Threaded Rod Coupling Nut.....	19.75	
26 05 29 00-0302	EA		1-1/8" Diameter, Threaded Rod Coupling Nut	34.44	
26 05 29 00-0303 Flat Washers (26 05 29 00-0286)					
26 05 29 00-0304	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.65	0.25
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0305	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.80	0.25
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0306	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.99	0.25
			<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0307	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.17	0.50
			<i>For Galvanized, Add</i>	0.12	
26 05 29 00-0308	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.30	0.50
			<i>For Galvanized, Add</i>	0.14	
26 05 29 00-0309	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.51	0.50
			<i>For Galvanized, Add</i>	0.17	
26 05 29 00-0310	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.70	0.50
			<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0311 Malleable Iron Eye Sockets (26 05 29 00-0286)					
			Note: Type 16.		
26 05 29 00-0312	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	8.36	
26 05 29 00-0313	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	9.94	
26 05 29 00-0314	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	16.92	
26 05 29 00-0315	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	23.93	
26 05 29 00-0316	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	25.53	
26 05 29 00-0317 Hex Nuts (26 05 29 00-0286)					
26 05 29 00-0318	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.63	0.25
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0319	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.77	0.25
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0320	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.99	0.25
			<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0321	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.14	0.50
			<i>For Galvanized, Add</i>	0.11	
26 05 29 00-0322	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.56	0.50
			<i>For Galvanized, Add</i>	0.21	
26 05 29 00-0323	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.95	0.50
			<i>For Galvanized, Add</i>	0.28	
26 05 29 00-0324	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.05	0.50
			<i>For Galvanized, Add</i>	0.53	
26 05 29 00-0325 Forged Steel Turnbuckles (26 05 29 00-0286)					
			Note: Type 13.		
26 05 29 00-0326	EA		3/8" Thread Diameter, Forged Steel Turnbuckle Body	20.83	
26 05 29 00-0327	EA		1/2" Thread Diameter, Forged Steel Turnbuckle Body	25.50	
26 05 29 00-0328	EA		5/8" Thread Diameter, Forged Steel Turnbuckle Body	33.67	
26 05 29 00-0329	EA		3/4" Thread Diameter, Forged Steel Turnbuckle Body	41.44	
26 05 29 00-0330	EA		7/8" Thread Diameter, Forged Steel Turnbuckle Body	98.37	
26 05 29 00-0331	EA		1" Thread Diameter, Forged Steel Turnbuckle Body	67.22	
26 05 29 00-0332	EA		1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	132.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0347				Attachments <small>(26 05 29 00-0285)</small>		
26 05 29 00-0348				Welded Beam Attachments <small>(26 05 29 00-0347)</small>		
				Note: Type 22.		
26 05 29 00-0349	EA			3/8" Rod Size, Welded Beam Attachment	38.58	10.03
26 05 29 00-0350	EA			1/2" Rod Size, Welded Beam Attachment	41.08	10.53
26 05 29 00-0351	EA			5/8" Rod Size, Welded Beam Attachment	43.69	11.13
26 05 29 00-0352	EA			3/4" Rod Size, Welded Beam Attachment	54.61	11.83
26 05 29 00-0353	EA			7/8" Rod Size, Welded Beam Attachment	64.76	12.53
26 05 29 00-0354	EA			1" Rod Size, Welded Beam Attachment	89.24	14.34
26 05 29 00-0355	EA			1-1/8" Rod Size, Welded Beam Attachment	123.91	15.04
26 05 29 00-0356				C-Clamp Style Beam Clamps <small>(26 05 29 00-0347)</small>		
				Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0357	EA			3/8" Rod Size, C-Clamp Style Beam Clamp	14.82	7.53
26 05 29 00-0358	EA			1/2" Rod Size, C-Clamp Style Beam Clamp	17.31	8.04
26 05 29 00-0359	EA			5/8" Rod Size, C-Clamp Style Beam Clamp	19.45	8.61
26 05 29 00-0360	EA			3/4" Rod Size, C-Clamp Style Beam Clamp	24.30	9.27
26 05 29 00-0361	EA			7/8" Rod Size, C-Clamp Style Beam Clamp	33.92	10.04
26 05 29 00-0362				Bottom Mount I-Beam Clamps <small>(26 05 29 00-0347)</small>		
				Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0363	EA			3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	36.62	10.04
26 05 29 00-0364	EA			1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	52.34	10.96
26 05 29 00-0365	EA			5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	73.36	12.05
26 05 29 00-0366	EA			3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	87.41	13.39
26 05 29 00-0367	EA			1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	204.84	15.06
26 05 29 00-0368				Steel U-Bolts <small>(26 05 29 00-0347)</small>		
				Note: Type 24. Includes plate and nuts.		
26 05 29 00-0369	EA			1/2" Pipe Size, Zinc Plated Steel, U-Bolt	12.03	6.03
26 05 29 00-0370	EA			3/4" Pipe Size, Zinc Plated Steel, U-Bolt	12.98	6.34
26 05 29 00-0371	EA			1" Pipe Size, Zinc Plated Steel, U-Bolt	13.92	6.69
26 05 29 00-0372	EA			1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	15.63	7.09
26 05 29 00-0373	EA			1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	16.21	7.53
26 05 29 00-0374	EA			2" Pipe Size, Zinc Plated Steel, U-Bolt	17.34	8.04
26 05 29 00-0375	EA			2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.82	8.61
26 05 29 00-0376	EA			3" Pipe Size, Zinc Plated Steel, U-Bolt	26.17	9.27
26 05 29 00-0377	EA			4" Pipe Size, Zinc Plated Steel, U-Bolt	31.16	10.04
26 05 29 00-0378				Stainless Steel Threaded Rod <small>(26 05 29 00-0285)</small>		
26 05 29 00-0379	LF			1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.13	0.50
				<i>For 316 Stainless Steel, Add</i>	0.46	
26 05 29 00-0380	LF			5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.04	0.55
				<i>For 316 Stainless Steel, Add</i>	0.79	
26 05 29 00-0381	LF			3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.83	0.63
				<i>For 316 Stainless Steel, Add</i>	1.04	
26 05 29 00-0382	LF			7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.13	0.65
				<i>For 316 Stainless Steel, Add</i>	1.56	
26 05 29 00-0383	LF			1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.07	0.67
				<i>For 316 Stainless Steel, Add</i>	1.92	
26 05 29 00-0384	LF			5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.82	0.68
				<i>For 316 Stainless Steel, Add</i>	3.02	
26 05 29 00-0385	LF			3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.12	0.69
				<i>For 316 Stainless Steel, Add</i>	4.35	
26 05 29 00-0386	LF			7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.47	0.71
				<i>For 316 Stainless Steel, Add</i>	6.10	
26 05 29 00-0387	LF			1" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.11	0.83
				<i>For 316 Stainless Steel, Add</i>	7.87	
26 05 29 00-0388	LF			1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	44.05	1.00
				<i>For 316 Stainless Steel, Add</i>	16.99	
26 05 29 00-0389				Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
				Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0390				Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0389)</small>		
26 05 29 00-0391				Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0390)</small>		
26 05 29 00-0392	EA			1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	47.76	20.06
26 05 29 00-0393	EA			3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.94	21.86
26 05 29 00-0394	EA			1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.77	24.06
26 05 29 00-0395	EA			1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.85	26.78
26 05 29 00-0396	EA			1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	75.68	30.09
26 05 29 00-0397	EA			2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.11	33.09
26 05 29 00-0398	EA			2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.40	36.10
26 05 29 00-0399	EA			3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.95	39.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0400 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	113.34	42.12
26 05 29 00-0401 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	122.31	45.12
26 05 29 00-0402 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0390)		
26 05 29 00-0403 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	50.52	20.06
26 05 29 00-0404 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.82	21.86
26 05 29 00-0405 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.38	24.06
26 05 29 00-0406 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.85	26.78
26 05 29 00-0407 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.45	30.09
26 05 29 00-0408 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.78	33.09
26 05 29 00-0409 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.90	36.10
26 05 29 00-0410 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	110.26	39.11
26 05 29 00-0411 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	117.52	42.12
26 05 29 00-0412 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	122.87	45.12
26 05 29 00-0413 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0390)		
26 05 29 00-0414 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.16	19.86
26 05 29 00-0415 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.94	21.66
26 05 29 00-0416 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	58.59	24.06
26 05 29 00-0417 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.86	26.48
26 05 29 00-0418 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.25	30.09
26 05 29 00-0419 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.62	33.09
26 05 29 00-0420 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0389)		
26 05 29 00-0421 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0420)		
26 05 29 00-0422 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.94	0.60
26 05 29 00-0423 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.34	0.60
26 05 29 00-0424 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.70	0.60
26 05 29 00-0425 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.30	0.60
26 05 29 00-0426 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.15	0.60
26 05 29 00-0427 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.09	0.60
26 05 29 00-0428 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.00	0.60
26 05 29 00-0429 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.05	0.60
26 05 29 00-0430 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.48	0.60
26 05 29 00-0431 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	60.01	0.60
26 05 29 00-0432 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0420)		
26 05 29 00-0433 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.74	1.20
26 05 29 00-0434 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.78	1.20
26 05 29 00-0435 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.02	1.20
26 05 29 00-0436 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.46	1.20
26 05 29 00-0437 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.79	1.20
26 05 29 00-0438 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.58	1.20
26 05 29 00-0439 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.33	1.20
26 05 29 00-0440 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.04	1.20
26 05 29 00-0441 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.16	1.20
26 05 29 00-0442 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.65	1.20
26 05 29 00-0443 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0389)		
26 05 29 00-0444 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0443)		
26 05 29 00-0445 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.89	1.20
26 05 29 00-0446 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	10.25	1.20
26 05 29 00-0447 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.73	1.20
26 05 29 00-0448 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.80	1.20
26 05 29 00-0449 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.61	1.20
26 05 29 00-0450 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.20	1.20
26 05 29 00-0451 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	47.31	1.20
26 05 29 00-0452 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	64.39	1.20
26 05 29 00-0453 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.26	1.20
26 05 29 00-0454 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.26	1.20
26 05 29 00-0455 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0389)		
26 05 29 00-0456 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0455)		
26 05 29 00-0457 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	6.09	0.80
26 05 29 00-0458 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	7.47	0.90
26 05 29 00-0459 Attachments (26 05 29 00-0389)		
26 05 29 00-0460 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0459)		
26 05 29 00-0461 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.14	6.03
26 05 29 00-0462 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.67	6.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0463 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.46	6.73
26 05 29 00-0464 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.44	7.13
26 05 29 00-0465 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.49	7.53
26 05 29 00-0466 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.44	8.04
26 05 29 00-0467 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.57	8.64
26 05 29 00-0468 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.99	9.24
26 05 29 00-0469 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	29.91	10.04
26 05 29 00-0470 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	46.34	11.45
26 05 29 00-0471 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	56.98	13.25
26 05 29 00-0472 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0459)		
26 05 29 00-0473 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	48.57	19.86
26 05 29 00-0474 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	55.16	19.86
26 05 29 00-0475 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	57.87	19.86
26 05 29 00-0476 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	63.42	21.06
26 05 29 00-0477 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	73.98	24.06
26 05 29 00-0478 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0459)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0479 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.88	6.62
26 05 29 00-0480 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.90	7.22
26 05 29 00-0481 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap	19.47	7.82
26 05 29 00-0482 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.04	9.03
26 05 29 00-0483 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.18	10.23
26 05 29 00-0484 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.69	10.83
26 05 29 00-0485 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	30.64	12.03
26 05 29 00-0486 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap	35.84	13.23
26 05 29 00-0487 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.83	13.84
26 05 29 00-0488 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	41.08	15.04
26 05 29 00-0489 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.33	16.85
26 05 29 00-0490 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0389)		
26 05 29 00-0491 LF Polyvinyl Chloride (PVC) Coated Channel, A12	15.35	3.01
26 05 29 00-0492 LF Polyvinyl Chloride (PVC) Coated Channel, A12A.....	26.57	4.21
26 05 29 00-0493 LF Polyvinyl Chloride (PVC) Coated Channel, A12P.....	16.28	3.01
26 05 29 00-0494 LF Polyvinyl Chloride (PVC) Coated Channel, C14	12.50	3.01
26 05 29 00-0495 LF Polyvinyl Chloride (PVC) Coated Channel, C14P.....	13.08	3.01
26 05 29 00-0496 Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.		
26 05 29 00-0497 Polymer Concrete, Box Pads (26 05 29 00-0496)		
26 05 29 00-0498 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	741.40	91.35
26 05 29 00-0499 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	764.49	91.35
26 05 29 00-0500 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	976.63	91.35
26 05 29 00-0501 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,011.80	91.35
26 05 29 00-0502 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	943.88	91.35
26 05 29 00-0503 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,109.99	91.35
26 05 29 00-0504 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,237.36	91.35
26 05 29 00-0505 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,199.73	114.19
26 05 29 00-0506 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,794.83	114.19
26 05 29 00-0507 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,392.87	114.19
26 05 29 00-0508 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0496)		
26 05 29 00-0509 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	366.61	52.72
26 05 29 00-0510 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	429.68	52.72
26 05 29 00-0511 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	550.46	68.51
26 05 29 00-0512 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	573.90	68.51
26 05 29 00-0513 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	812.50	68.51
26 05 29 00-0514 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	845.66	68.51
26 05 29 00-0515 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	907.45	68.51
26 05 29 00-0516 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	907.45	68.51
26 05 29 00-0517 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,683.73	68.51
26 05 29 00-0518 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,905.24	68.51
26 05 29 00-0519 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0496)		
26 05 29 00-0520 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	233.04	52.72
26 05 29 00-0521 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	249.26	52.72
26 05 29 00-0522 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	264.03	52.72
26 05 29 00-0523 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	313.08	52.72
26 05 29 00-0524 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	291.19	52.72
26 05 29 00-0525 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	301.50	52.72
26 05 29 00-0526 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	328.25	52.72
26 05 29 00-0527 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	343.85	52.72
26 05 29 00-0528 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	395.95	52.72

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0529 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	481.77	52.72
26 05 29 00-0530 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	697.55	68.51
26 05 29 00-0531 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	728.92	68.51
26 05 29 00-0532 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	738.81	68.51
26 05 29 00-0533 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	804.75	68.51
26 05 29 00-0534 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,686.71	68.51
26 05 29 00-0535 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,982.13	68.51

26 05 33 Raceway And Boxes For Electrical Systems (26 05)**26 05 33 13 Conduit For Electrical Systems** (26 05 33)**26 05 33 13-0001 Conduit Assemblies** (26 05 33 13)
Note: With fittings and wire.**26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies** (26 05 33 13-0001)

26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	646.32	301.71
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	181.03	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	707.52	329.67
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	197.79	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	683.18	315.56
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	189.32	
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	757.47	348.47
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	209.08	
26 05 33 13-0007 CLF 3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	742.49	343.97
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	206.39	
26 05 33 13-0008 CLF 3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	804.55	372.12
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	223.28	
26 05 33 13-0009 CLF 3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	865.64	399.99
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	240.01	
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	927.08	428.05
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	256.85	
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	779.78	357.82
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	214.68	
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	853.59	390.55
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	234.31	
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	926.96	423.00
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	253.79	
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly	1,000.29	455.46
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	273.27	
26 05 33 13-0015 CLF 1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	908.46	414.75
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	248.87	
26 05 33 13-0016 CLF 1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	968.75	442.26
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	265.35	
26 05 33 13-0017 CLF 1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	1,025.25	470.31
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	282.30	
26 05 33 13-0018 CLF 1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	1,090.74	498.36
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	298.75	
26 05 33 13-0019 CLF 1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	944.29	428.05
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	256.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0020 CLF 1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly.....	1,017.28	460.41
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	276.22	
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly.....	1,091.60	493.41
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	296.00	
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly.....	1,166.51	525.59
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	315.68	
26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small>		
Note: Includes conduit, terminations, straps, wire as indicated. Per CLF.		
26 05 33 13-0024 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	758.06	336.92
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	202.16	
26 05 33 13-0025 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	819.83	365.16
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	219.09	
26 05 33 13-0026 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	794.95	350.75
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	210.45	
26 05 33 13-0027 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	867.47	382.84
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	229.69	
26 05 33 13-0028 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	863.04	381.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	228.87	
26 05 33 13-0029 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	1,072.04	483.33
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	289.97	
26 05 33 13-0030 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	984.47	436.85
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	262.10	
26 05 33 13-0031 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	899.07	395.13
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	236.91	
26 05 33 13-0032 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	972.22	427.68
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	256.33	
26 05 33 13-0033 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,046.93	460.13
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	276.22	
26 05 33 13-0034 CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	1,097.55	477.64
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	286.73	
26 05 33 13-0035 CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	1,157.10	505.60
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	302.99	
26 05 33 13-0036 CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	1,220.51	533.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	320.42	
26 05 33 13-0037 CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	1,145.34	495.97
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	297.37	
26 05 33 13-0038 CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,219.99	528.43
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	317.24	
26 05 33 13-0039 CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....	1,292.23	560.98
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	336.39	
26 05 33 13-0040 Conduit <small>(26 05 33 13)</small>		
Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041 Conduit Installed Above Grade <small>(26 05 33 13-0040)</small>		
See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.52	2.01
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.53	
For Installation In Metal Stud Wall, Add	0.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.26	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.76	
For Work In Restricted Working Space, Add	1.51	
For Installation Above 14', Add	0.76	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0045 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	7.33	2.20
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.60	
For Installation In Metal Stud Wall, Add	0.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.83	
For Work In Restricted Working Space, Add	1.65	
For Installation Above 14', Add	0.83	
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.24	2.57
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.76	
For Installation In Metal Stud Wall, Add	0.64	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.60	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.96	
For Work In Restricted Working Space, Add	1.92	
For Installation Above 14', Add	0.96	
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.11	2.94
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.65	
For >1,000, Deduct	-0.93	
For Installation In Metal Stud Wall, Add	0.73	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
For Work In Restricted Working Space, Add	2.20	
For Installation Above 14', Add	1.10	
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.86	3.30
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.08	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.06	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Installation Above 14', Add	1.24	
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.25	4.04
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.37	
For Installation In Metal Stud Wall, Add	1.01	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.51	
For Work In Restricted Working Space, Add	3.02	
For Installation Above 14', Add	1.51	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	23.98	5.50
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-2.05	
For Installation In Metal Stud Wall, Add	1.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.44	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.06	
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	31.35	7.34
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.89	
For >1,000, Deduct	-2.68	
For Installation In Metal Stud Wall, Add	1.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.59	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.75	
For Work In Restricted Working Space, Add	5.50	
For Installation Above 14', Add	2.75	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.80	9.17
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-2.34	
For >1,000, Deduct	-3.31	
For Installation In Metal Stud Wall, Add	2.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.73	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.44	
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	45.97	11.00
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-2.76	
For >1,000, Deduct	-3.91	
For Installation In Metal Stud Wall, Add	2.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.88	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.13	
For Work In Restricted Working Space, Add	8.25	
For Installation Above 14', Add	4.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	72.27	13.94
For >250 To 500, Deduct	-1.87	
For >500 To 1,000, Deduct	-4.55	
For >1,000, Deduct	-6.36	
For Installation In Metal Stud Wall, Add	3.48	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.71	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.22	
For Work In Restricted Working Space, Add	10.45	
For Installation Above 14', Add	5.22	
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	96.63	17.60
For >250 To 500, Deduct	-2.63	
For >500 To 1,000, Deduct	-6.15	
For >1,000, Deduct	-8.56	
For Installation In Metal Stud Wall, Add	4.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	11.00	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.60	
For Work In Restricted Working Space, Add	13.20	
For Installation Above 14', Add	6.60	
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0057 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	26.66	9.08
For Work In Restricted Working Space, Add	6.83	
For Installation Above 14', Add	3.41	
26 05 33 13-0058 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	33.45	11.27
For Work In Restricted Working Space, Add	8.49	
For Installation Above 14', Add	4.25	
26 05 33 13-0059 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	42.43	13.84
For Work In Restricted Working Space, Add	10.35	
For Installation Above 14', Add	5.18	
26 05 33 13-0060 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	53.63	16.04
For Work In Restricted Working Space, Add	12.02	
For Installation Above 14', Add	6.01	
26 05 33 13-0061 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	62.16	18.43
For Work In Restricted Working Space, Add	13.80	
For Installation Above 14', Add	6.90	
26 05 33 13-0062 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	72.81	20.26
For Work In Restricted Working Space, Add	15.18	
For Installation Above 14', Add	7.59	
26 05 33 13-0063 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	102.83	25.30
For Work In Restricted Working Space, Add	18.98	
For Installation Above 14', Add	9.49	
26 05 33 13-0064 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	145.10	34.47
For Work In Restricted Working Space, Add	25.85	
For Installation Above 14', Add	12.93	
26 05 33 13-0065 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	189.32	38.87
For Work In Restricted Working Space, Add	29.16	
For Installation Above 14', Add	14.58	
26 05 33 13-0066 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	232.66	50.61
For Work In Restricted Working Space, Add	37.95	
For Installation Above 14', Add	18.97	
26 05 33 13-0067 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	380.49	82.51
For Work In Restricted Working Space, Add	61.89	
For Installation Above 14', Add	30.94	
26 05 33 13-0068 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	571.97	123.95
For Work In Restricted Working Space, Add	92.96	
For Installation Above 14', Add	46.48	
26 05 33 13-0069 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0070 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	26.66	9.08
For Work In Restricted Working Space, Add	6.83	
For Installation Above 14', Add	3.41	
26 05 33 13-0071 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	33.45	11.27
For Work In Restricted Working Space, Add	8.49	
For Installation Above 14', Add	4.25	
26 05 33 13-0072 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	42.43	13.84
For Work In Restricted Working Space, Add	10.35	
For Installation Above 14', Add	5.18	
26 05 33 13-0073 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	53.63	16.04
For Work In Restricted Working Space, Add	12.02	
For Installation Above 14', Add	6.01	
26 05 33 13-0074 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	62.16	18.43
For Work In Restricted Working Space, Add	13.80	
For Installation Above 14', Add	6.90	
26 05 33 13-0075 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	72.81	20.26
For Work In Restricted Working Space, Add	15.18	
For Installation Above 14', Add	7.59	
26 05 33 13-0076 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	101.22	25.30
For Work In Restricted Working Space, Add	18.98	
For Installation Above 14', Add	9.49	
26 05 33 13-0077 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	138.84	34.47
For Work In Restricted Working Space, Add	25.85	
For Installation Above 14', Add	12.93	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0078	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	180.51 29.16 14.58	38.87
26 05 33	13-0079	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	220.95 37.95 18.97	50.61
26 05 33	13-0080	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	380.49 61.89 30.94	82.51
26 05 33	13-0081	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	571.97 92.96 46.48	123.95
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0042)					
See CSI section 26 05 33 13-2183 for conduit field bending.					
26 05 33	13-0083	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.16 13.59 6.79	22.65
26 05 33	13-0084	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	73.97 15.73 7.87	26.22
26 05 33	13-0085	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.39 17.88 8.94	29.79
26 05 33	13-0086	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.94 19.67 9.83	32.78
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0042)					
See CSI section 26 05 33 13-2183 for conduit field bending.					
26 05 33	13-0088	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.05 13.59 6.79	22.65
26 05 33	13-0089	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.26 15.73 7.87	26.22
26 05 33	13-0090	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.25 17.88 8.94	29.79
26 05 33	13-0091	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.15 19.67 9.83	32.78
26 05 33	13-0092	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	130.99 24.67 12.33	41.12
26 05 33	13-0093	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	176.51 33.61 16.80	56.02
26 05 33 13-0094 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0042)					
See CSI section 26 05 33 13-2183 for conduit field bending.					
26 05 33	13-0095	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.28 13.59 6.79	22.65
26 05 33	13-0096	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.64 15.73 7.87	26.22
26 05 33	13-0097	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	91.35 17.88 8.94	29.79
26 05 33	13-0098	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	106.08 19.67 9.83	32.78
26 05 33	13-0099	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.44 24.67 12.33	41.12
26 05 33	13-0100	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	181.72 33.61 16.80	56.02
26 05 33	13-0101	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	224.84 37.90 18.95	63.16
26 05 33	13-0102	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	274.54 49.34 24.67	82.23
26 05 33 13-0103 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0042)					
See CSI section 26 05 33 13-2183 for conduit field bending.					
26 05 33	13-0104	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.08 13.59 6.79	22.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0105 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.30 15.73 7.87	26.22
26 05 33 13-0106 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.08 17.88 8.94	29.79
26 05 33 13-0107 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.53 19.67 9.83	32.78
26 05 33 13-0108 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.97 24.67 12.33	41.12
26 05 33 13-0109 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	199.79 33.61 16.80	56.02
26 05 33 13-0110 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	242.41 37.90 18.95	63.16
26 05 33 13-0111 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	288.55 49.34 24.67	82.23
26 05 33 13-0112 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0113 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	76.61 13.59 6.79	22.65
26 05 33 13-0114 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.99 15.73 7.87	26.22
26 05 33 13-0115 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	103.24 17.88 8.94	29.79
26 05 33 13-0116 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	122.58 19.67 9.83	32.78
26 05 33 13-0117 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.03 24.67 12.33	41.12
26 05 33 13-0118 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	214.06 33.61 16.80	56.02
26 05 33 13-0119 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	259.77 37.90 18.95	63.16
26 05 33 13-0120 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	314.25 49.34 24.67	82.23
26 05 33 13-0121 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	460.54 80.45 40.22	134.07
26 05 33 13-0122 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0123 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.78 13.59 6.79	22.65
26 05 33 13-0124 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.79 15.73 7.87	26.22
26 05 33 13-0125 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.04 17.88 8.94	29.79
26 05 33 13-0126 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	128.87 19.67 9.83	32.78
26 05 33 13-0127 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	173.14 24.67 12.33	41.12
26 05 33 13-0128 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	226.26 33.61 16.80	56.02
26 05 33 13-0129 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	282.20 37.90 18.95	63.16
26 05 33 13-0130 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	326.34 49.34 24.67	82.23
26 05 33 13-0131 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	559.20 80.45 40.22	134.07

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0132 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	722.59 120.85 60.43	201.42
26 05 33 13-0133 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0134 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.88 13.59 6.79	22.65
26 05 33 13-0135 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	103.24 15.73 7.87	26.22
26 05 33 13-0136 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	121.96 17.88 8.94	29.79
26 05 33 13-0137 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.15 19.67 9.83	32.78
26 05 33 13-0138 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	183.17 24.67 12.33	41.12
26 05 33 13-0139 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.14 33.61 16.80	56.02
26 05 33 13-0140 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	300.13 37.90 18.95	63.16
26 05 33 13-0141 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	377.94 49.34 24.67	82.23
26 05 33 13-0142 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	630.38 80.45 40.22	134.07
26 05 33 13-0143 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	784.22 120.85 60.43	201.42
26 05 33 13-0144 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0145 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	91.96 13.59 6.79	22.65
26 05 33 13-0146 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	108.99 15.73 7.87	26.22
26 05 33 13-0147 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.97 17.88 8.94	29.79
26 05 33 13-0148 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	152.63 19.67 9.83	32.78
26 05 33 13-0149 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	201.67 24.67 12.33	41.12
26 05 33 13-0150 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	262.16 33.61 16.80	56.02
26 05 33 13-0151 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	322.67 37.90 18.95	63.16
26 05 33 13-0152 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	405.32 49.34 24.67	82.23
26 05 33 13-0153 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	652.66 80.45 40.22	134.07
26 05 33 13-0154 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	796.69 120.85 60.43	201.42
26 05 33 13-0155 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0042)		
26 05 33 13-0156 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.95 3.50 1.75 3.50	5.84
26 05 33 13-0157 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.83 3.74 1.87 3.74	6.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0158 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	14.58	7.01
For Work In Restricted Working Space, Add	4.21	
For Installation Above 14', Add	2.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-0159 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.38	7.80
For Work In Restricted Working Space, Add	4.67	
For Installation Above 14', Add	2.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-0160 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.57	9.74
For Work In Restricted Working Space, Add	5.84	
For Installation Above 14', Add	2.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 33 13-0161 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.40	11.68
For Work In Restricted Working Space, Add	7.01	
For Installation Above 14', Add	3.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.01	
26 05 33 13-0162 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	31.75	13.64
For Work In Restricted Working Space, Add	8.18	
For Installation Above 14', Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 33 13-0163 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	35.88	15.58
For Work In Restricted Working Space, Add	9.35	
For Installation Above 14', Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.35	
26 05 33 13-0164 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	41.61	14.67
For Work In Restricted Working Space, Add	10.52	
For Installation Above 14', Add	5.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 05 33 13-0165 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	46.17	19.48
For Work In Restricted Working Space, Add	11.69	
For Installation Above 14', Add	5.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69	
26 05 33 13-0166 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	55.16	21.43
For Work In Restricted Working Space, Add	12.86	
For Installation Above 14', Add	6.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 33 13-0167 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	77.90	23.38
For Work In Restricted Working Space, Add	14.03	
For Installation Above 14', Add	7.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 05 33 13-0168 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0042)		
26 05 33 13-0169 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	14.43	6.87
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-0170 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	15.67	7.34
For Work In Restricted Working Space, Add	4.40	
For Installation Above 14', Add	2.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-0171 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	18.24	8.25
For Work In Restricted Working Space, Add	4.95	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-0172 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	20.48	9.17
For Work In Restricted Working Space, Add	5.50	
For Installation Above 14', Add	2.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.50	
26 05 33 13-0173 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	26.09	11.46
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-0174 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	30.91	13.75
For Work In Restricted Working Space, Add	8.25	
For Installation Above 14', Add	4.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.25	
26 05 33 13-0175 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	42.79	16.04
For Work In Restricted Working Space, Add	9.63	
For Installation Above 14', Add	4.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.63	
26 05 33 13-0176 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	50.72	18.34
For Work In Restricted Working Space, Add	11.00	
For Installation Above 14', Add	5.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.00	
26 05 33 13-0177 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	74.06	20.62
For Work In Restricted Working Space, Add	12.38	
For Installation Above 14', Add	6.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0178 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	99.04	22.92
For Work In Restricted Working Space, Add	13.75	
For Installation Above 14', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.75	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0179	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	131.12	25.21
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33	13-0180	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	191.20	27.50
			<i>For Work In Restricted Working Space, Add</i>	16.50	
			<i>For Installation Above 14', Add</i>	8.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.50	
26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>					
26 05 33	13-0182	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	15.24	6.87
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33	13-0183	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.88	7.34
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-0184	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.77	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0185	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.07	9.17
			<i>For Work In Restricted Working Space, Add</i>	5.50	
			<i>For Installation Above 14', Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50	
26 05 33	13-0186	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	28.78	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33	13-0187	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	35.69	13.75
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33	13-0188	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	49.27	16.04
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-0189	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	58.31	18.34
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.00	
26 05 33	13-0190	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	75.48	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Installation Above 14', Add</i>	6.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33	13-0191	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	105.37	22.92
			<i>For Work In Restricted Working Space, Add</i>	13.75	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33	13-0192	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	138.02	25.21
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33	13-0193	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	193.63	27.50
			<i>For Work In Restricted Working Space, Add</i>	16.50	
			<i>For Installation Above 14', Add</i>	8.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.50	
26 05 33 13-0194 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>					
26 05 33	13-0195	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	22.52	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0196	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.20	9.17
			<i>For Work In Restricted Working Space, Add</i>	5.50	
			<i>For Installation Above 14', Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50	
26 05 33	13-0197	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	28.73	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Installation Above 14', Add</i>	3.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33	13-0198	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	33.99	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33	13-0199	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	41.20	14.21
			<i>For Work In Restricted Working Space, Add</i>	8.53	
			<i>For Installation Above 14', Add</i>	4.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0200 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	51.68	16.96
For Work In Restricted Working Space, Add	10.18	
For Installation Above 14', Add	5.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.18	
26 05 33 13-0201 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	68.42	19.71
For Work In Restricted Working Space, Add	11.83	
For Installation Above 14', Add	5.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.83	
26 05 33 13-0202 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	75.76	22.92
For Work In Restricted Working Space, Add	13.75	
For Installation Above 14', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.75	
26 05 33 13-0203 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	85.61	25.67
For Work In Restricted Working Space, Add	15.40	
For Installation Above 14', Add	7.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.40	
26 05 33 13-0204 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	109.29	28.42
For Work In Restricted Working Space, Add	17.05	
For Installation Above 14', Add	8.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-0205 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	152.62	31.17
For Work In Restricted Working Space, Add	18.70	
For Installation Above 14', Add	9.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.70	
26 05 33 13-0206 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	207.93	34.38
For Work In Restricted Working Space, Add	20.63	
For Installation Above 14', Add	10.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 05 33 13-0207 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0042)</small>		
26 05 33 13-0208 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	12.84	4.22
For Work In Restricted Working Space, Add	3.14	
For Installation Above 14', Add	1.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-0209 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	15.41	4.86
For Work In Restricted Working Space, Add	3.63	
For Installation Above 14', Add	1.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.63	
26 05 33 13-0210 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	19.86	5.86
For Work In Restricted Working Space, Add	4.38	
For Installation Above 14', Add	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0211 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	28.48	7.25
For Work In Restricted Working Space, Add	5.45	
For Installation Above 14', Add	2.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0212 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	38.48	9.72
For Work In Restricted Working Space, Add	7.30	
For Installation Above 14', Add	3.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.30	
26 05 33 13-0213 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	64.19	14.58
For Work In Restricted Working Space, Add	10.93	
For Installation Above 14', Add	5.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.93	
26 05 33 13-0214 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	109.06	16.13
For Work In Restricted Working Space, Add	12.10	
For Installation Above 14', Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.10	
26 05 33 13-0215 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	130.19	19.53
For Work In Restricted Working Space, Add	14.66	
For Installation Above 14', Add	7.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.66	
26 05 33 13-0216 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	174.76	24.48
For Work In Restricted Working Space, Add	18.35	
For Installation Above 14', Add	9.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 05 33 13-0217 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	205.18	29.33
For Work In Restricted Working Space, Add	22.01	
For Installation Above 14', Add	11.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 05 33 13-0218 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	347.96	32.64
For Work In Restricted Working Space, Add	24.45	
For Installation Above 14', Add	12.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.45	
26 05 33 13-0219 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	414.21	36.67
For Work In Restricted Working Space, Add	27.50	
For Installation Above 14', Add	13.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.50	
26 05 33 13-0220 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	12.82	5.96
For Work In Restricted Working Space, Add	3.58	
For Installation Above 14', Add	1.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-0222 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	14.76	6.87
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-0223 EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	18.83	8.71
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
26 05 33 13-0224 EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	21.95	10.08
For Work In Restricted Working Space, Add	6.05	
For Installation Above 14', Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0225 EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	25.04	11.46
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-0226 EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.89	5.96
For Work In Restricted Working Space, Add	3.58	
For Installation Above 14', Add	1.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-0227 EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	14.87	6.87
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-0228 EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	18.95	8.71
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
26 05 33 13-0229 EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	22.12	10.08
For Work In Restricted Working Space, Add	6.05	
For Installation Above 14', Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0230 EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	25.31	11.46
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-0231 EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	28.56	12.84
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0232 EA 1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	12.97	5.96
For Work In Restricted Working Space, Add	3.58	
For Installation Above 14', Add	1.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-0233 EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	14.97	6.87
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-0234 EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	19.13	8.71
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
26 05 33 13-0235 EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	22.27	10.08
For Work In Restricted Working Space, Add	6.05	
For Installation Above 14', Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0236 EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	25.50	11.46
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-0237 EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	29.01	12.84
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-0238 EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	38.08	15.58
For Work In Restricted Working Space, Add	9.35	
For Installation Above 14', Add	4.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.35	
26 05 33 13-0239 EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	51.57	21.55
For Work In Restricted Working Space, Add	12.92	
For Installation Above 14', Add	6.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-0240 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.07	5.96
For Work In Restricted Working Space, Add	3.58	
For Installation Above 14', Add	1.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-0241 EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.03	6.87
For Work In Restricted Working Space, Add	4.13	
For Installation Above 14', Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0242 EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.36 5.23 2.61 5.23	8.71
26 05 33 13-0243 EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.56 6.05 3.02 6.05	10.08
26 05 33 13-0244 EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.88 6.88 3.44 6.88	11.46
26 05 33 13-0245 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.47 7.70 3.85 7.70	12.84
26 05 33 13-0246 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.34 9.35 4.68 9.35	15.58
26 05 33 13-0247 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.66 12.92 6.46 12.92	21.55
26 05 33 13-0248 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16 3.58 1.79 3.58	5.96
26 05 33 13-0249 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.20 4.13 2.06 4.13	6.87
26 05 33 13-0250 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.50 5.23 2.61 5.23	8.71
26 05 33 13-0251 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70 6.05 3.02 6.05	10.08
26 05 33 13-0252 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.14 6.88 3.44 6.88	11.46
26 05 33 13-0253 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.87 7.70 3.85 7.70	12.84
26 05 33 13-0254 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.72 9.35 4.68 9.35	15.58
26 05 33 13-0255 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.47 12.92 6.46 12.92	21.55
26 05 33 13-0256 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.22 14.57 7.29 14.57	24.29
26 05 33 13-0257 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.45 18.98 9.49 18.98	31.63
26 05 33 13-0258 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.31 3.58 1.79 3.58	5.96
26 05 33 13-0259 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.42 4.13 2.06 4.13	6.87
26 05 33 13-0260 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.77 5.23 2.61 5.23	8.71
26 05 33 13-0261 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.11 6.05 3.02 6.05	10.08
26 05 33 13-0262 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.54 6.88 3.44 6.88	11.46

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA		2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	30.57	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0264	EA		2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	41.28	15.58
			<i>For Work In Restricted Working Space, Add</i>	9.35	
			<i>For Installation Above 14', Add</i>	4.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-0265	EA		3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	55.16	21.55
			<i>For Work In Restricted Working Space, Add</i>	12.92	
			<i>For Installation Above 14', Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-0266	EA		3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	62.90	24.29
			<i>For Work In Restricted Working Space, Add</i>	14.57	
			<i>For Installation Above 14', Add</i>	7.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-0267	EA		4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	79.90	31.63
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-0268	EA		5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	119.39	43.54
			<i>For Work In Restricted Working Space, Add</i>	26.12	
			<i>For Installation Above 14', Add</i>	13.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-0269	EA		6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	152.01	55.83
			<i>For Work In Restricted Working Space, Add</i>	33.52	
			<i>For Installation Above 14', Add</i>	16.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.52	
26 05 33 13-0270	EA		1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	13.58	5.96
			<i>For Work In Restricted Working Space, Add</i>	3.58	
			<i>For Installation Above 14', Add</i>	1.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-0271	EA		3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	15.69	6.87
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-0272	EA		1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	19.99	8.71
			<i>For Work In Restricted Working Space, Add</i>	5.23	
			<i>For Installation Above 14', Add</i>	2.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-0273	EA		1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	23.48	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-0274	EA		1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	27.37	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-0275	EA		2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	31.27	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0276	EA		2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	42.64	15.58
			<i>For Work In Restricted Working Space, Add</i>	9.35	
			<i>For Installation Above 14', Add</i>	4.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-0277	EA		3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	56.87	21.55
			<i>For Work In Restricted Working Space, Add</i>	12.92	
			<i>For Installation Above 14', Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-0278	EA		3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	64.95	24.29
			<i>For Work In Restricted Working Space, Add</i>	14.57	
			<i>For Installation Above 14', Add</i>	7.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-0279	EA		4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	81.84	31.63
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-0280	EA		5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	122.24	43.54
			<i>For Work In Restricted Working Space, Add</i>	26.12	
			<i>For Installation Above 14', Add</i>	13.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-0281	EA		6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	156.18	55.83
			<i>For Work In Restricted Working Space, Add</i>	33.52	
			<i>For Installation Above 14', Add</i>	16.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.52	
26 05 33 13-0282	EA		1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	14.57	5.96
			<i>For Work In Restricted Working Space, Add</i>	3.58	
			<i>For Installation Above 14', Add</i>	1.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-0283	EA		3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	16.95	6.87
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0284	EA	1" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	21.48	8.71
			<i>For Work In Restricted Working Space, Add</i>	5.23	
			<i>For Installation Above 14', Add</i>	2.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33	13-0285	EA	1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	25.59	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33	13-0286	EA	1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	29.72	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33	13-0287	EA	2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	33.76	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0288	EA	2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	46.26	15.58
			<i>For Work In Restricted Working Space, Add</i>	9.35	
			<i>For Installation Above 14', Add</i>	4.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33	13-0289	EA	3" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	61.03	21.55
			<i>For Work In Restricted Working Space, Add</i>	12.92	
			<i>For Installation Above 14', Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33	13-0290	EA	3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	69.09	24.29
			<i>For Work In Restricted Working Space, Add</i>	14.57	
			<i>For Installation Above 14', Add</i>	7.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33	13-0291	EA	4" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	86.42	31.63
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33	13-0292	EA	5" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	128.84	43.54
			<i>For Work In Restricted Working Space, Add</i>	26.12	
			<i>For Installation Above 14', Add</i>	13.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33	13-0293	EA	6" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	163.59	55.83
			<i>For Work In Restricted Working Space, Add</i>	33.52	
			<i>For Installation Above 14', Add</i>	16.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.52	
26 05 33	13-0294	EA	1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	15.23	5.96
			<i>For Work In Restricted Working Space, Add</i>	3.58	
			<i>For Installation Above 14', Add</i>	1.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33	13-0295	EA	3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	17.60	6.87
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33	13-0296	EA	1" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	22.66	8.71
			<i>For Work In Restricted Working Space, Add</i>	5.23	
			<i>For Installation Above 14', Add</i>	2.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33	13-0297	EA	1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	26.99	10.08
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33	13-0298	EA	1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	31.10	11.46
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33	13-0299	EA	2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	35.36	12.84
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0300	EA	2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	48.69	15.58
			<i>For Work In Restricted Working Space, Add</i>	9.35	
			<i>For Installation Above 14', Add</i>	4.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33	13-0301	EA	3" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	64.29	21.55
			<i>For Work In Restricted Working Space, Add</i>	12.92	
			<i>For Installation Above 14', Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33	13-0302	EA	3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	73.39	24.29
			<i>For Work In Restricted Working Space, Add</i>	14.57	
			<i>For Installation Above 14', Add</i>	7.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33	13-0303	EA	4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	91.86	31.63
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33	13-0304	EA	5" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	136.04	43.54
			<i>For Work In Restricted Working Space, Add</i>	26.12	
			<i>For Installation Above 14', Add</i>	13.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0305 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	176.54	55.83
<i>For Work In Restricted Working Space, Add</i>	33.52	
<i>For Installation Above 14', Add</i>	16.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.52	
26 05 33 13-0306 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	15.74	5.96
<i>For Work In Restricted Working Space, Add</i>	3.58	
<i>For Installation Above 14', Add</i>	1.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-0307 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	18.07	6.87
<i>For Work In Restricted Working Space, Add</i>	4.13	
<i>For Installation Above 14', Add</i>	2.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-0308 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	23.36	8.71
<i>For Work In Restricted Working Space, Add</i>	5.23	
<i>For Installation Above 14', Add</i>	2.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-0309 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	28.12	10.08
<i>For Work In Restricted Working Space, Add</i>	6.05	
<i>For Installation Above 14', Add</i>	3.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-0310 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	31.80	11.46
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-0311 EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	36.70	12.84
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-0312 EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	51.55	15.58
<i>For Work In Restricted Working Space, Add</i>	9.35	
<i>For Installation Above 14', Add</i>	4.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-0313 EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	68.83	21.55
<i>For Work In Restricted Working Space, Add</i>	12.92	
<i>For Installation Above 14', Add</i>	6.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-0314 EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	77.58	24.29
<i>For Work In Restricted Working Space, Add</i>	14.57	
<i>For Installation Above 14', Add</i>	7.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-0315 EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	97.32	31.63
<i>For Work In Restricted Working Space, Add</i>	18.98	
<i>For Installation Above 14', Add</i>	9.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-0316 EA 5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	146.39	43.54
<i>For Work In Restricted Working Space, Add</i>	26.12	
<i>For Installation Above 14', Add</i>	13.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-0317 EA 6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	183.74	55.83
<i>For Work In Restricted Working Space, Add</i>	33.52	
<i>For Installation Above 14', Add</i>	16.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.52	
26 05 33 13-0318 Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0319 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	13.28	4.77
<i>For Work In Restricted Working Space, Add</i>	3.60	
<i>For Installation Above 14', Add</i>	1.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33 13-0320 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	15.62	5.50
<i>For Work In Restricted Working Space, Add</i>	4.10	
<i>For Installation Above 14', Add</i>	2.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.10	
26 05 33 13-0321 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	19.70	6.96
<i>For Work In Restricted Working Space, Add</i>	5.25	
<i>For Installation Above 14', Add</i>	2.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.25	
26 05 33 13-0322 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.54	8.34
<i>For Work In Restricted Working Space, Add</i>	6.29	
<i>For Installation Above 14', Add</i>	3.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.29	
26 05 33 13-0323 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	26.86	9.17
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-0324 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	34.48	11.27
<i>For Work In Restricted Working Space, Add</i>	8.48	
<i>For Installation Above 14', Add</i>	4.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.48	
26 05 33 13-0325 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	56.22	18.34
<i>For Work In Restricted Working Space, Add</i>	13.75	
<i>For Installation Above 14', Add</i>	6.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0326 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.82 18.98 9.49 18.98	25.30
26 05 33 13-0327 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.14 22.29 11.15 22.29	29.88
26 05 33 13-0328 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.23 25.86 12.93 25.86	34.47
26 05 33 13-0329 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0042)</small> Note: Erickson fittings.		
26 05 33 13-0330 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.60 11.02 5.51 11.02	14.67
26 05 33 13-0331 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.39 12.29 6.15 12.29	16.41
26 05 33 13-0332 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.09 13.70 6.85 13.70	18.25
26 05 33 13-0333 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.42 14.99 7.49 14.99	19.98
26 05 33 13-0334 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.00 16.40 8.20 16.40	21.82
26 05 33 13-0335 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.91 17.75 8.88 17.75	23.65
26 05 33 13-0336 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.00 22.01 11.00 22.01	29.33
26 05 33 13-0337 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.59 27.50 13.75 27.50	36.67
26 05 33 13-0338 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.17 33.02 16.51 33.02	44.00
26 05 33 13-0339 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	275.71 35.75 17.88 35.75	47.67
26 05 33 13-0340 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	467.95 44.00 22.00 44.00	58.67
26 05 33 13-0341 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	597.83 50.88 25.44 50.88	67.84
26 05 33 13-0342 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0343 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.74 5.50 2.75	7.34
26 05 33 13-0344 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.19 6.05 3.03	8.07
26 05 33 13-0345 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.71 6.88 3.44	9.17
26 05 33 13-0346 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.07 7.43 3.71	9.90
26 05 33 13-0347 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.32 8.25 4.13	11.00

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0348	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.27 9.08 4.54	12.11
26 05 33	13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.55 11.00 5.50	14.67
26 05 33	13-0350	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.31 13.75 6.88	18.34
26 05 33	13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.66 16.50 8.25	22.01
26 05 33	13-0352	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.99 17.88 8.94	23.84
26 05 33 13-0353 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0042)					
26 05 33	13-0354	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.82 4.95 2.48 4.95	8.25
26 05 33	13-0355	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.07 5.50 2.75 5.50	9.17
26 05 33	13-0356	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.30 6.88 3.44 6.88	11.46
26 05 33	13-0357	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.45 8.25 4.13 8.25	13.75
26 05 33	13-0358	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.21 11.00 5.50 11.00	18.34
26 05 33	13-0359	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.00 12.38 6.19 12.38	20.62
26 05 33	13-0360	EA	2-1/2" Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.67 13.75 6.88 13.75	22.92
26 05 33	13-0361	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.00 17.33 8.66 17.33	28.88
26 05 33	13-0362	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.38 20.90 10.45 20.90	34.83
26 05 33	13-0363	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.71 24.75 12.38 24.75	41.26
26 05 33 13-0364 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05 33 13-0042)					
Note: Type AX					
26 05 33	13-0365	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.91 11.00 5.50	14.67
26 05 33	13-0366	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.46 12.38 6.19	16.51
26 05 33	13-0367	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.99 13.76 6.88	18.34
26 05 33	13-0368	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	139.98 15.13 7.56	20.17
26 05 33	13-0369	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	174.69 16.50 8.25	22.01
26 05 33	13-0370	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	239.11 17.88 8.94	23.84
26 05 33	13-0371	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	363.55 22.01 11.00	29.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	465.44 27.50 13.75	36.67
26 05 33 13-0373 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	676.03 33.01 16.50	44.00
26 05 33 13-0374 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	720.92 35.75 17.88	47.67
26 05 33 13-0375 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,099.04 44.00 22.00	58.67
26 05 33 13-0376 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,347.57 48.85 24.42	65.09
26 05 33 13-0377 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type AX-8		
26 05 33 13-0378 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.14 11.00 5.50	14.67
26 05 33 13-0379 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	104.75 12.38 6.19	16.51
26 05 33 13-0380 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.43 13.76 6.88	18.34
26 05 33 13-0381 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	158.00 15.13 7.56	20.17
26 05 33 13-0382 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	210.50 16.50 8.25	22.01
26 05 33 13-0383 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	256.22 17.88 8.94	23.84
26 05 33 13-0384 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	474.47 22.01 11.00	29.33
26 05 33 13-0385 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	541.18 27.50 13.75	36.67
26 05 33 13-0386 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	825.71 33.01 16.50	44.00
26 05 33 13-0387 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	893.92 35.75 17.88	47.67
26 05 33 13-0388 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,244.86 44.00 22.00	58.67
26 05 33 13-0389 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,535.19 48.85 24.42	65.09
26 05 33 13-0390 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type EX		
26 05 33 13-0391 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	106.19 11.00 5.50	14.67
26 05 33 13-0392 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	133.15 12.38 6.19	16.51
26 05 33 13-0393 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	164.80 13.76 6.88	18.34
26 05 33 13-0394 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	199.55 15.13 7.56	20.17
26 05 33 13-0395 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	266.75 16.50 8.25	22.01
26 05 33 13-0396 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	364.92 17.88 8.94	23.84
26 05 33 13-0397 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	563.96 22.01 11.00	29.33
26 05 33 13-0398 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	759.07 27.50 13.75	36.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,135.62	44.00
			<i>For Work In Restricted Working Space, Add</i>	33.01	
			<i>For Installation Above 14', Add</i>	16.50	
26 05 33 13-0400	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,176.20	47.67
			<i>For Work In Restricted Working Space, Add</i>	35.75	
			<i>For Installation Above 14', Add</i>	17.88	
26 05 33 13-0401	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,765.22	58.67
			<i>For Work In Restricted Working Space, Add</i>	44.00	
			<i>For Installation Above 14', Add</i>	22.00	
26 05 33 13-0402	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,185.47	65.09
			<i>For Work In Restricted Working Space, Add</i>	48.85	
			<i>For Installation Above 14', Add</i>	24.42	
26 05 33 13-0403 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>					
Note: Type DX					
26 05 33 13-0404	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	180.46	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
26 05 33 13-0405	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	214.61	16.51
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Installation Above 14', Add</i>	6.19	
26 05 33 13-0406	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	258.80	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.76	
			<i>For Installation Above 14', Add</i>	6.88	
26 05 33 13-0407	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	303.70	20.17
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
26 05 33 13-0408	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	335.73	22.01
			<i>For Work In Restricted Working Space, Add</i>	16.50	
			<i>For Installation Above 14', Add</i>	8.25	
26 05 33 13-0409	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	413.63	23.84
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Installation Above 14', Add</i>	8.94	
26 05 33 13-0410	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	545.87	29.33
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Installation Above 14', Add</i>	11.00	
26 05 33 13-0411	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	692.05	36.67
			<i>For Work In Restricted Working Space, Add</i>	27.50	
			<i>For Installation Above 14', Add</i>	13.75	
26 05 33 13-0412	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	779.76	44.00
			<i>For Work In Restricted Working Space, Add</i>	33.01	
			<i>For Installation Above 14', Add</i>	16.50	
26 05 33 13-0413	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	943.36	47.67
			<i>For Work In Restricted Working Space, Add</i>	35.75	
			<i>For Installation Above 14', Add</i>	17.88	
26 05 33 13-0414	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,604.65	58.67
			<i>For Work In Restricted Working Space, Add</i>	44.00	
			<i>For Installation Above 14', Add</i>	22.00	
26 05 33 13-0415	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,540.56	65.09
			<i>For Work In Restricted Working Space, Add</i>	48.85	
			<i>For Installation Above 14', Add</i>	24.42	
26 05 33 13-0416 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>					
26 05 33 13-0417	EA		1/2" To 3/4" Conduit, 14" Bonding Jumper.....	47.98	7.34
			<i>For Work In Restricted Working Space, Add</i>	5.50	
			<i>For Installation Above 14', Add</i>	2.75	
26 05 33 13-0418	EA		1" To 1-1/4" Conduit, 14" Bonding Jumper.....	55.56	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
26 05 33 13-0419	EA		1-1/2" To 2" Conduit, 14" Bonding Jumper.....	68.38	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
26 05 33 13-0420	EA		2-1/2" To 3" Conduit, 14" Bonding Jumper.....	95.74	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
26 05 33 13-0421	EA		3-1/2" To 4" Conduit, 14" Bonding Jumper.....	144.97	22.01
			<i>For Work In Restricted Working Space, Add</i>	16.50	
			<i>For Installation Above 14', Add</i>	8.25	
26 05 33 13-0422	EA		5" To 6" Conduit, 14" Bonding Jumper.....	244.27	29.33
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Installation Above 14', Add</i>	11.00	
26 05 33 13-0423	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper.....	53.06	7.34
			<i>For Work In Restricted Working Space, Add</i>	5.50	
			<i>For Installation Above 14', Add</i>	2.75	
26 05 33 13-0424	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper.....	61.98	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
26 05 33 13-0425	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper.....	74.25	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0426 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	103.54	14.67
For Work In Restricted Working Space, Add	11.00	
For Installation Above 14', Add	5.50	
26 05 33 13-0427 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	155.32	22.01
For Work In Restricted Working Space, Add	16.50	
For Installation Above 14', Add	8.25	
26 05 33 13-0428 EA 5" To 6" Conduit, 24" Bonding Jumper	277.64	29.33
For Work In Restricted Working Space, Add	22.01	
For Installation Above 14', Add	11.00	
26 05 33 13-0429 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0430 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	69.43	22.92
For Work In Restricted Working Space, Add	13.75	
For Installation Above 14', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.75	
26 05 33 13-0431 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	82.71	27.50
For Work In Restricted Working Space, Add	16.50	
For Installation Above 14', Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.50	
26 05 33 13-0432 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	99.78	32.09
For Work In Restricted Working Space, Add	19.25	
For Installation Above 14', Add	9.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.25	
26 05 33 13-0433 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	116.58	36.67
For Work In Restricted Working Space, Add	22.01	
For Installation Above 14', Add	11.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 05 33 13-0434 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	147.60	41.26
For Work In Restricted Working Space, Add	24.75	
For Installation Above 14', Add	12.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.75	
26 05 33 13-0435 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	176.00	45.84
For Work In Restricted Working Space, Add	27.50	
For Installation Above 14', Add	13.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.50	
26 05 33 13-0436 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	241.03	55.01
For Work In Restricted Working Space, Add	33.00	
For Installation Above 14', Add	16.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.00	
26 05 33 13-0437 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	288.39	64.18
For Work In Restricted Working Space, Add	38.51	
For Installation Above 14', Add	19.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.51	
26 05 33 13-0438 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	608.25	73.35
For Work In Restricted Working Space, Add	44.00	
For Installation Above 14', Add	22.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.00	
26 05 33 13-0439 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	699.22	82.51
For Work In Restricted Working Space, Add	49.51	
For Installation Above 14', Add	24.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.51	
26 05 33 13-0440 Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0441 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	11.98	5.50
For Work In Restricted Working Space, Add	3.30	
For Installation Above 14', Add	1.65	
26 05 33 13-0442 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	16.81	7.80
For Work In Restricted Working Space, Add	4.67	
For Installation Above 14', Add	2.34	
26 05 33 13-0443 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	22.05	10.08
For Work In Restricted Working Space, Add	6.05	
For Installation Above 14', Add	3.03	
26 05 33 13-0444 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	25.29	11.46
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
26 05 33 13-0445 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	30.47	13.75
For Work In Restricted Working Space, Add	8.25	
For Installation Above 14', Add	4.13	
26 05 33 13-0446 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	35.59	15.58
For Work In Restricted Working Space, Add	9.35	
For Installation Above 14', Add	4.68	
26 05 33 13-0447 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	44.76	17.42
For Work In Restricted Working Space, Add	10.45	
For Installation Above 14', Add	5.22	
26 05 33 13-0448 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	52.33	19.71
For Work In Restricted Working Space, Add	11.83	
For Installation Above 14', Add	5.91	
26 05 33 13-0449 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	60.53	21.55
For Work In Restricted Working Space, Add	12.93	
For Installation Above 14', Add	6.46	
26 05 33 13-0450 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	64.01	22.92
For Work In Restricted Working Space, Add	13.75	
For Installation Above 14', Add	6.88	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0451		Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0452	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.70	0.91
	26 05 33 13-0453	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.75	1.37
	26 05 33 13-0454	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.23	2.29
	26 05 33 13-0455	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.99	3.21
	26 05 33 13-0456	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.75	3.67
	26 05 33 13-0457	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.59	4.13
26 05 33	13-0458		Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	121.77	11.13
			<i>For Work In Restricted Working Space, Add</i>	8.34	
			<i>For Installation Above 14', Add</i>	4.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.34	
	26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	124.46	12.20
			<i>For Work In Restricted Working Space, Add</i>	9.15	
			<i>For Installation Above 14', Add</i>	4.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.15	
	26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	148.40	13.39
			<i>For Work In Restricted Working Space, Add</i>	10.02	
			<i>For Installation Above 14', Add</i>	5.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.02	
	26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	162.92	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.01	
			<i>For Installation Above 14', Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
	26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	185.71	16.51
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Installation Above 14', Add</i>	6.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
	26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	270.26	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.76	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.76	
	26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	313.59	24.48
			<i>For Work In Restricted Working Space, Add</i>	18.35	
			<i>For Installation Above 14', Add</i>	9.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.35	
	26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	347.69	26.86
			<i>For Work In Restricted Working Space, Add</i>	20.16	
			<i>For Installation Above 14', Add</i>	10.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.16	
	26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	402.93	29.33
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Installation Above 14', Add</i>	11.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
	26 05 33 13-0468	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	454.16	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Installation Above 14', Add</i>	12.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
	26 05 33 13-0469	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	603.56	36.67
			<i>For Work In Restricted Working Space, Add</i>	27.50	
			<i>For Installation Above 14', Add</i>	13.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.50	
	26 05 33 13-0470	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	746.89	40.71
			<i>For Work In Restricted Working Space, Add</i>	30.53	
			<i>For Installation Above 14', Add</i>	15.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.53	
26 05 33	13-0471		Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0472	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.88	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Installation Above 14', Add</i>	2.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
	26 05 33 13-0473	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.35	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.54	
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.54	
	26 05 33 13-0474	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.81	7.80
			<i>For Work In Restricted Working Space, Add</i>	4.67	
			<i>For Installation Above 14', Add</i>	2.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
	26 05 33 13-0475	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.24	8.02
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Installation Above 14', Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
	26 05 33 13-0476	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.71	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0477 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.62 5.23 2.61 5.23	8.71
26 05 33 13-0478 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.22 5.50 2.75 5.50	9.17
26 05 33 13-0479 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.67 5.64 2.82 5.64	9.40
26 05 33 13-0480 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.59 5.91 2.96 5.91	9.85
26 05 33 13-0481 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50 6.19 3.09 6.19	10.31
26 05 33 13-0482 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.13 6.19 3.09 6.19	10.31
26 05 33 13-0483 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.59 6.32 3.16 6.32	10.54
26 05 33 13-0484 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.52 6.60 3.30 6.60	11.00
26 05 33 13-0485 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.43 6.88 3.44 6.88	11.46
26 05 33 13-0486 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.72 7.56 3.78 7.56	12.61
26 05 33 13-0487 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.40 8.94 4.47 8.94	14.90
26 05 33 13-0488 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0489 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1.89 0.55 0.27	0.91
26 05 33 13-0490 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.84 0.83 0.41	1.37
26 05 33 13-0491 EA 1" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.73 1.37 0.69	2.29
26 05 33 13-0492 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.65 1.92 0.96	3.21
26 05 33 13-0493 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.65 2.20 1.10	3.67
26 05 33 13-0494 EA 2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.63 2.48 1.24	4.13
26 05 33 13-0495 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.01 3.30 1.65	5.50
26 05 33 13-0496 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.86 4.13 2.06	6.87
26 05 33 13-0497 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.43 4.67 2.34	7.80
26 05 33 13-0498 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.55 5.23 2.61	8.71
26 05 33 13-0499 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0500 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.75 0.55 0.27	0.91

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0501 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.86 0.83 0.41	1.37
26 05 33 13-0502 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.16 1.37 0.69	2.29
26 05 33 13-0503 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.61 1.92 0.96	3.21
26 05 33 13-0504 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.75 2.20 1.10	3.67
26 05 33 13-0505 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.40 2.48 1.24	4.13
26 05 33 13-0506 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.85 3.30 1.65	5.50
26 05 33 13-0507 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.18 4.13 2.06	6.87
26 05 33 13-0508 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.64 4.67 2.34	7.80
26 05 33 13-0509 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.97 5.23 2.61	8.71
26 05 33 13-0510 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0511 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.81 1.65 0.83	2.75
26 05 33 13-0512 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.84 2.20 1.10	3.67
26 05 33 13-0513 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.54 2.75 1.38	4.58
26 05 33 13-0514 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.44 4.40 2.20	7.34
26 05 33 13-0515 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.77 4.95 2.48	8.25
26 05 33 13-0516 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.56 5.50 2.75	9.17
26 05 33 13-0517 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.11 6.60 3.30	11.00
26 05 33 13-0518 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.06 8.25 4.13	13.75
26 05 33 13-0519 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.62 11.00 5.50	18.34
26 05 33 13-0520 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.34 13.75 6.88	22.92
26 05 33 13-0521 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0522 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.13 4.95 2.48	8.25
26 05 33 13-0523 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.95 5.50 2.75	9.17
26 05 33 13-0524 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.99 6.88 3.44	11.46
26 05 33 13-0525 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.16 8.25 4.13	13.75
26 05 33 13-0526 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	47.28 11.00 5.50	18.34
26 05 33 13-0527 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	66.20 13.75 6.88	22.92
26 05 33 13-0528 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	101.97 16.50 8.25	27.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0529 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.43 19.25 9.63	32.09
26 05 33 13-0530 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	159.28 23.38 11.69	38.96
26 05 33 13-0531 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	191.26 27.50 13.75	45.84
26 05 33 13-0532 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0042)</small>		
26 05 33 13-0533 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.53 6.88 3.44	11.46
26 05 33 13-0534 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.69 8.25 4.13	13.75
26 05 33 13-0535 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.97 11.00 5.50	18.34
26 05 33 13-0536 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.65 13.75 6.88	22.92
26 05 33 13-0537 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.09 16.50 8.25	27.50
26 05 33 13-0538 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.96 19.25 9.63	32.09
26 05 33 13-0539 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	138.19 22.01 11.00	36.67
26 05 33 13-0540 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	149.16 18.98 9.49	31.63
26 05 33 13-0541 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	209.35 28.88 14.44	48.13
26 05 33 13-0542 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	254.72 33.00 16.50	55.01
26 05 33 13-0543 Rigid Galvanized Steel (RGS) Knock Out Seal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0544 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.78 1.37 0.69	2.29
26 05 33 13-0545 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.76 1.65 0.83	2.75
26 05 33 13-0546 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.82 1.92 0.96	3.21
26 05 33 13-0547 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.78 2.48 1.24	4.13
26 05 33 13-0548 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.91 2.75 1.38	4.58
26 05 33 13-0549 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.05 3.30 1.65	5.50
26 05 33 13-0550 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.20 4.13 2.06	6.87
26 05 33 13-0551 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.69 4.67 2.34	7.80
26 05 33 13-0552 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.03 5.23 2.61	8.71
26 05 33 13-0553 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.02 5.78 2.89	9.63
26 05 33 13-0554 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0555 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30 3.30 1.65 3.30	5.50

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0556	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.34 3.85 1.93 3.85	6.41
26 05 33	13-0557	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.67 4.67 2.34 4.67	7.80
26 05 33	13-0558	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24 5.50 2.75 5.50	9.17
26 05 33	13-0559	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.36 6.88 3.44 6.88	11.46
26 05 33	13-0560	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 8.25 4.13 8.25	13.75
26 05 33	13-0561	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.62 9.63 4.81 9.63	16.04
26 05 33	13-0562	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40 11.00 5.50 11.00	18.34
26 05 33	13-0563	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.92 12.38 6.19 12.38	20.62
26 05 33	13-0564	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.47 13.75 6.88 13.75	22.92
26 05 33	13-0565		Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0042)		
26 05 33	13-0566	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.70 4.95 2.48	8.25
26 05 33	13-0567	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.21 5.78 2.89	9.63
26 05 33	13-0568	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.91 6.60 3.30	11.00
26 05 33	13-0569	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.83 8.25 4.13	13.75
26 05 33	13-0570	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	54.16 9.90 4.95	16.51
26 05 33	13-0571	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.99 11.55 5.78	19.25
26 05 33	13-0572	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.29 13.20 6.60	22.01
26 05 33	13-0573	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	172.14 16.50 8.25	27.50
26 05 33	13-0574		Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0041) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0575		Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0574) Note: Includes field bending conduit up to and including 1".		
26 05 33	13-0576	LF	1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.48 -0.02 -0.23 -0.34 0.41 1.03 0.62 1.24 0.62	1.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0577 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.21	1.83
<i>For >250 To 500, Deduct</i>	-0.03	
<i>For >500 To 1,000, Deduct</i>	-0.28	
<i>For >1,000, Deduct</i>	-0.41	
<i>For Installation In Metal Stud Wall, Add</i>	0.46	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.15	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	1.37	
<i>For Installation Above 14', Add</i>	0.69	
26 05 33 13-0578 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	6.16	2.01
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.34	
<i>For >1,000, Deduct</i>	-0.49	
<i>For Installation In Metal Stud Wall, Add</i>	0.50	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.26	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	1.51	
<i>For Installation Above 14', Add</i>	0.76	
26 05 33 13-0579 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit	7.26	2.27
<i>For >250 To 500, Deduct</i>	-0.08	
<i>For >500 To 1,000, Deduct</i>	-0.40	
<i>For >1,000, Deduct</i>	-0.58	
<i>For Installation In Metal Stud Wall, Add</i>	0.57	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.42	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	1.70	
<i>For Installation Above 14', Add</i>	0.85	
26 05 33 13-0580 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit	8.35	2.57
<i>For >250 To 500, Deduct</i>	-0.10	
<i>For >500 To 1,000, Deduct</i>	-0.47	
<i>For >1,000, Deduct</i>	-0.67	
<i>For Installation In Metal Stud Wall, Add</i>	0.64	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.60	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.96	
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Installation Above 14', Add</i>	0.96	
26 05 33 13-0581 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	9.73	2.94
<i>For >250 To 500, Deduct</i>	-0.12	
<i>For >500 To 1,000, Deduct</i>	-0.55	
<i>For >1,000, Deduct</i>	-0.79	
<i>For Installation In Metal Stud Wall, Add</i>	0.73	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.84	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	2.20	
<i>For Installation Above 14', Add</i>	1.10	
26 05 33 13-0582 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	12.32	3.49
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.71	
<i>For >1,000, Deduct</i>	-1.01	
<i>For Installation In Metal Stud Wall, Add</i>	0.87	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.18	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	2.61	
<i>For Installation Above 14', Add</i>	1.31	
26 05 33 13-0583 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	14.68	4.04
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500 To 1,000, Deduct</i>	-0.85	
<i>For >1,000, Deduct</i>	-1.22	
<i>For Installation In Metal Stud Wall, Add</i>	1.01	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.52	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	3.02	
<i>For Installation Above 14', Add</i>	1.51	
26 05 33 13-0584 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	18.25	4.77
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500 To 1,000, Deduct</i>	-1.07	
<i>For >1,000, Deduct</i>	-1.53	
<i>For Installation In Metal Stud Wall, Add</i>	1.19	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.98	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	3.58	
<i>For Installation Above 14', Add</i>	1.79	
26 05 33 13-0585 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	24.34	6.95
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-1.39	
<i>For >1,000, Deduct</i>	-2.00	
<i>For Installation In Metal Stud Wall, Add</i>	1.74	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.35	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.61	
<i>For Work In Restricted Working Space, Add</i>	5.22	
<i>For Installation Above 14', Add</i>	2.61	
26 05 33 13-0586 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0574)</small>		
<i>See CSI section 26 05 33 13-2183 for conduit field bending.</i>		
26 05 33 13-0587 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0574)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0588 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.78	2.20
<i>For Work In Restricted Working Space, Add</i>	1.37	
<i>For Installation Above 14', Add</i>	0.69	
26 05 33 13-0589 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.85	2.20
<i>For Work In Restricted Working Space, Add</i>	1.65	
<i>For Installation Above 14', Add</i>	0.83	
26 05 33 13-0590 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.01	2.57
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Installation Above 14', Add</i>	0.96	
26 05 33 13-0591 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.32	3.30
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Installation Above 14', Add</i>	1.24	
26 05 33 13-0592 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	11.63	4.04
<i>For Work In Restricted Working Space, Add</i>	3.03	
<i>For Installation Above 14', Add</i>	1.51	
26 05 33 13-0593 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	15.78	5.50
<i>For Work In Restricted Working Space, Add</i>	4.13	
<i>For Installation Above 14', Add</i>	2.06	
26 05 33 13-0594 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	22.75	7.34
<i>For Work In Restricted Working Space, Add</i>	5.50	
<i>For Installation Above 14', Add</i>	2.75	
26 05 33 13-0595 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	28.29	8.44
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
26 05 33 13-0596 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	34.02	9.17
<i>For Work In Restricted Working Space, Add</i>	8.25	
<i>For Installation Above 14', Add</i>	4.13	
26 05 33 13-0597 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	89.25	25.21
<i>For Work In Restricted Working Space, Add</i>	24.48	
<i>For Installation Above 14', Add</i>	12.24	
26 05 33 13-0598 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0574)		
26 05 33 13-0599 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	6.36	2.40
<i>For Work In Restricted Working Space, Add</i>	1.81	
<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0600 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	6.91	2.57
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Installation Above 14', Add</i>	0.96	
26 05 33 13-0601 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.01	3.67
<i>For Work In Restricted Working Space, Add</i>	2.75	
<i>For Installation Above 14', Add</i>	1.38	
26 05 33 13-0602 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.49	4.40
<i>For Work In Restricted Working Space, Add</i>	3.30	
<i>For Installation Above 14', Add</i>	1.65	
26 05 33 13-0603 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	14.97	5.13
<i>For Work In Restricted Working Space, Add</i>	3.85	
<i>For Installation Above 14', Add</i>	1.93	
26 05 33 13-0604 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.63	6.23
<i>For Work In Restricted Working Space, Add</i>	4.67	
<i>For Installation Above 14', Add</i>	2.34	
26 05 33 13-0605 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	31.54	9.23
<i>For Work In Restricted Working Space, Add</i>	6.92	
<i>For Installation Above 14', Add</i>	3.46	
26 05 33 13-0606 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	36.12	10.27
<i>For Work In Restricted Working Space, Add</i>	7.70	
<i>For Installation Above 14', Add</i>	3.85	
26 05 33 13-0607 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	45.76	12.84
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Installation Above 14', Add</i>	4.81	
26 05 33 13-0608 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	56.13	16.51
<i>For Work In Restricted Working Space, Add</i>	12.38	
<i>For Installation Above 14', Add</i>	6.19	
26 05 33 13-0609 Electrical Metallic Tubing (EMT) Box Connectors With Set Screw (26 05 33 13-0574)		
26 05 33 13-0610 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	4.81	1.83
<i>For Work In Restricted Working Space, Add</i>	1.37	
<i>For Installation Above 14', Add</i>	0.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.37	
26 05 33 13-0611 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	5.90	2.20
<i>For Work In Restricted Working Space, Add</i>	1.65	
<i>For Installation Above 14', Add</i>	0.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0612 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	7.00	2.57
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Installation Above 14', Add</i>	0.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33 13-0613 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	10.14	3.67
<i>For Work In Restricted Working Space, Add</i>	2.75	
<i>For Installation Above 14', Add</i>	1.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0614 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	12.68	4.40
<i>For Work In Restricted Working Space, Add</i>	3.30	
<i>For Installation Above 14', Add</i>	1.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-0615 EA 2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	15.93	5.50
<i>For Work In Restricted Working Space, Add</i>	4.13	
<i>For Installation Above 14', Add</i>	2.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-0616 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	23.62	7.34
<i>For Work In Restricted Working Space, Add</i>	5.50	
<i>For Installation Above 14', Add</i>	2.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50	
26 05 33 13-0617 EA 3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	29.21	9.17
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-0618 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	34.96	11.00
<i>For Work In Restricted Working Space, Add</i>	8.25	
<i>For Installation Above 14', Add</i>	4.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33 13-0619 EA 4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	40.73	12.84
<i>For Work In Restricted Working Space, Add</i>	9.63	
<i>For Installation Above 14', Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33 13-0620 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw		
<small>(26 05 33 13-0574)</small>		
26 05 33 13-0621 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	6.90	2.48
<i>For Work In Restricted Working Space, Add</i>	1.84	
<i>For Installation Above 14', Add</i>	0.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33 13-0622 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	7.91	2.66
<i>For Work In Restricted Working Space, Add</i>	2.01	
<i>For Installation Above 14', Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33 13-0623 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	10.20	3.30
<i>For Work In Restricted Working Space, Add</i>	2.45	
<i>For Installation Above 14', Add</i>	1.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33 13-0624 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	14.02	4.22
<i>For Work In Restricted Working Space, Add</i>	3.14	
<i>For Installation Above 14', Add</i>	1.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33 13-0625 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	17.45	4.86
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For Installation Above 14', Add</i>	1.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-0626 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	22.27	5.86
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Installation Above 14', Add</i>	2.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-0627 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	53.99	8.16
<i>For Work In Restricted Working Space, Add</i>	6.11	
<i>For Installation Above 14', Add</i>	3.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-0628 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	66.90	10.82
<i>For Work In Restricted Working Space, Add</i>	8.14	
<i>For Installation Above 14', Add</i>	4.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-0629 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	88.97	13.94
<i>For Work In Restricted Working Space, Add</i>	10.48	
<i>For Installation Above 14', Add</i>	5.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.48	
26 05 33 13-0630 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	104.97	18.34
<i>For Work In Restricted Working Space, Add</i>	13.75	
<i>For Installation Above 14', Add</i>	6.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33 13-0631 Electrical Metallic Tubing (EMT) Box Compression Connectors		
<small>(26 05 33 13-0574)</small>		
26 05 33 13-0632 EA 1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	6.88	2.20
<i>For Work In Restricted Working Space, Add</i>	1.65	
<i>For Installation Above 14', Add</i>	0.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0633 EA 3/4" Electrical Metallic Tubing (EMT) Box Compression Connector	8.30	2.57
<i>For Work In Restricted Working Space, Add</i>	1.92	
<i>For Installation Above 14', Add</i>	0.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 05 33 13-0634 EA 1" Electrical Metallic Tubing (EMT) Box Compression Connector	10.65	2.94
<i>For Work In Restricted Working Space, Add</i>	2.20	
<i>For Installation Above 14', Add</i>	1.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0635	EA	1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	17.42	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Installation Above 14', Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33	13-0636	EA	1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	22.27	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Installation Above 14', Add</i>	1.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33	13-0637	EA	2" Electrical Metallic Tubing (EMT) Box Compression Connector	30.53	6.60
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0638	EA	2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	69.93	8.80
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0639	EA	3" Electrical Metallic Tubing (EMT) Box Compression Connector	91.73	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33	13-0640	EA	3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	124.87	12.84
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-0641	EA	4" Electrical Metallic Tubing (EMT) Box Compression Connector	132.51	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.00	
26 05 33	13-0642		Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0574)</small>		
26 05 33	13-0643	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.67	2.48
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Installation Above 14', Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33	13-0644	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	8.83	2.66
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33	13-0645	EA	1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	11.83	3.30
			<i>For Work In Restricted Working Space, Add</i>	2.45	
			<i>For Installation Above 14', Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33	13-0646	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	17.79	4.22
			<i>For Work In Restricted Working Space, Add</i>	3.14	
			<i>For Installation Above 14', Add</i>	1.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33	13-0647	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	22.85	4.86
			<i>For Work In Restricted Working Space, Add</i>	3.66	
			<i>For Installation Above 14', Add</i>	1.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33	13-0648	EA	2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	30.17	5.86
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-0649	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	80.50	8.16
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For Installation Above 14', Add</i>	3.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33	13-0650	EA	3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	104.63	10.82
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33	13-0651	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	141.98	13.94
			<i>For Work In Restricted Working Space, Add</i>	10.48	
			<i>For Installation Above 14', Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.48	
26 05 33	13-0652	EA	4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	161.05	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.75	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33	13-0653		Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0574)</small>		
			Note: Excludes jumper.		
26 05 33	13-0654	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Fitting	61.10	12.20
			<i>For Work In Restricted Working Space, Add</i>	9.15	
			<i>For Installation Above 14', Add</i>	4.58	
26 05 33	13-0655	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Fitting	73.48	14.76
			<i>For Work In Restricted Working Space, Add</i>	11.10	
			<i>For Installation Above 14', Add</i>	5.55	
26 05 33	13-0656	EA	1" Electrical Metallic Tubing (EMT) Expansion Fitting	92.38	18.52
			<i>For Work In Restricted Working Space, Add</i>	13.87	
			<i>For Installation Above 14', Add</i>	6.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0657 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.75 17.06 8.53	22.74
26 05 33 13-0658 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	143.97 20.01 10.01	26.68
26 05 33 13-0659 EA 2" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	196.04 24.36 12.18	32.46
26 05 33 13-0660 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	285.68 31.29 15.65	41.71
26 05 33 13-0661 EA 3" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	344.12 36.59 18.30	48.77
26 05 33 13-0662 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	438.83 39.89 19.95	53.17
26 05 33 13-0663 EA 4" Electrical Metallic Tubing (EMT) Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	533.08 44.02 22.01	58.67
 26 05 33 13-0664 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0574)</small>		
26 05 33 13-0665 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96 2.44 1.22 2.44	3.30
26 05 33 13-0666 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47 2.44 1.22 2.44	3.30
26 05 33 13-0667 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.34 2.72 1.36 2.72	3.58
26 05 33 13-0668 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.56 3.09 1.54 3.09	4.13
26 05 33 13-0669 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.13 3.74 1.87 3.74	4.95
26 05 33 13-0670 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.74 4.27 2.13 4.27	5.68
26 05 33 13-0671 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.33 5.34 2.67 5.34	7.16
 26 05 33 13-0672 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0673 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0672)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0674 LF 1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.65 -0.05 -0.08 -0.11 0.46 1.15 0.69 1.37 0.69	1.83
26 05 33 13-0675 LF 3/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.32 -0.06 -0.10 -0.13 0.50 1.26 0.76 1.51 0.76	2.01
26 05 33 13-0676 LF 1" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.47 -0.10 -0.15 -0.20 0.55 1.38 0.83 1.65 0.83	2.20

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0677	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit	8.91	4.40
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000, Deduct</i>	-0.25	
			<i>For Installation In Metal Stud Wall, Add</i>	0.64	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.60	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
			<i>For Installation Above 14', Add</i>	0.96	
26 05 33 13-0678	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit	10.29	2.94
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000, Deduct</i>	-0.30	
			<i>For Installation In Metal Stud Wall, Add</i>	0.73	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Installation Above 14', Add</i>	1.10	
26 05 33 13-0679	LF		2" Intermediate Metal Conduit (IMC) Conduit	12.25	3.30
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000, Deduct</i>	-0.40	
			<i>For Installation In Metal Stud Wall, Add</i>	0.83	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.06	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Installation Above 14', Add</i>	1.24	
26 05 33 13-0680	LF		2-1/2" Intermediate Metal Conduit (IMC) Conduit	19.86	4.40
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.89	
			<i>For Installation In Metal Stud Wall, Add</i>	1.10	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.75	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Installation Above 14', Add</i>	1.65	
26 05 33 13-0681	LF		3" Intermediate Metal Conduit (IMC) Conduit	24.66	5.50
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Installation In Metal Stud Wall, Add</i>	1.38	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.44	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.06	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
26 05 33 13-0682	LF		3-1/2" Intermediate Metal Conduit (IMC) Conduit	29.14	6.60
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.26	
			<i>For Installation In Metal Stud Wall, Add</i>	1.65	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	
26 05 33 13-0683	LF		4" Intermediate Metal Conduit (IMC) Conduit	34.12	7.70
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.49	
			<i>For Installation In Metal Stud Wall, Add</i>	1.93	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.81	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Installation Above 14', Add</i>	2.89	
26 05 33 13-0684			Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0672)		
			See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0685	EA		1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	43.58	13.84
			<i>For Work In Restricted Working Space, Add</i>	10.35	
			<i>For Installation Above 14', Add</i>	5.18	
26 05 33 13-0686	EA		1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	52.80	16.04
			<i>For Work In Restricted Working Space, Add</i>	12.02	
			<i>For Installation Above 14', Add</i>	6.01	
26 05 33 13-0687	EA		1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	62.09	18.43
			<i>For Work In Restricted Working Space, Add</i>	13.80	
			<i>For Installation Above 14', Add</i>	6.90	
26 05 33 13-0688	EA		2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	73.76	20.26
			<i>For Work In Restricted Working Space, Add</i>	15.18	
			<i>For Installation Above 14', Add</i>	7.59	
26 05 33 13-0689	EA		2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	102.57	25.30
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
26 05 33 13-0690	EA		3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	146.37	34.47
			<i>For Work In Restricted Working Space, Add</i>	25.85	
			<i>For Installation Above 14', Add</i>	12.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0691 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	203.46 29.16 14.58	38.87
26 05 33 13-0692 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	249.76 37.95 18.97	50.61
26 05 33 13-0693 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0672)</small>		
26 05 33 13-0694 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.31 3.58	4.77
26 05 33 13-0695 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.42 4.13	0.55
26 05 33 13-0696 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.54 5.23	6.96
26 05 33 13-0697 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.58 6.32	8.44
26 05 33 13-0698 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.05 6.88	9.17
26 05 33 13-0699 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.94 8.53	11.36
26 05 33 13-0700 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.80 13.75	18.34
26 05 33 13-0701 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.09 18.70	24.93
26 05 33 13-0702 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.88 22.28	29.70
26 05 33 13-0703 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.97 25.85	34.47
26 05 33 13-0704 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0672)</small>		
<i>Note: 3-Piece coupling.</i>		
26 05 33 13-0705 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.77 11.02 5.51 11.02	14.67
26 05 33 13-0706 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.91 12.29 6.15 12.29	16.41
26 05 33 13-0707 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.23 13.70 6.85 13.70	18.25
26 05 33 13-0708 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.89 14.99 7.49 14.99	19.98
26 05 33 13-0709 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.14 16.40 8.20 16.40	21.82
26 05 33 13-0710 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.16 17.75 8.88 17.75	23.65
26 05 33 13-0711 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.18 22.01 11.00 22.01	29.33
26 05 33 13-0712 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.78 27.50 13.75 27.50	36.67
26 05 33 13-0713 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.37 33.02 16.51 33.02	44.00
26 05 33 13-0714 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	336.16 35.75 17.88 35.75	47.67
26 05 33 13-0715 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0672)</small>		
26 05 33 13-0716 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.66 5.50 2.75	7.34

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0717	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	24.10	8.07
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Installation Above 14', Add</i>	3.03	
26 05 33	13-0718	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.60	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
26 05 33	13-0719	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.92	9.90
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Installation Above 14', Add</i>	3.71	
26 05 33	13-0720	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	36.11	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
26 05 33	13-0721	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	42.97	12.11
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Installation Above 14', Add</i>	4.54	
26 05 33	13-0722	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	57.06	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
26 05 33	13-0723	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	70.72	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.75	
			<i>For Installation Above 14', Add</i>	6.88	
26 05 33	13-0724	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	84.94	22.01
			<i>For Work In Restricted Working Space, Add</i>	16.50	
			<i>For Installation Above 14', Add</i>	8.25	
26 05 33	13-0725	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	95.14	23.84
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Installation Above 14', Add</i>	8.94	
26 05 33	13-0726		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0672)		
26 05 33	13-0727	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	19.72	7.34
			<i>For Work In Restricted Working Space, Add</i>	5.50	
			<i>For Installation Above 14', Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.50	
26 05 33	13-0728	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.00	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Installation Above 14', Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33	13-0729	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	30.58	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33	13-0730	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	36.43	12.84
			<i>For Work In Restricted Working Space, Add</i>	9.63	
			<i>For Installation Above 14', Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.63	
26 05 33	13-0731	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	42.26	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.00	
26 05 33	13-0732	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	49.33	16.51
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Installation Above 14', Add</i>	6.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33	13-0733	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	59.38	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.75	
			<i>For Installation Above 14', Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33	13-0734	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	68.66	20.17
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33	13-0735	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	83.24	23.84
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Installation Above 14', Add</i>	8.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88	
26 05 33	13-0736	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	94.01	25.67
			<i>For Work In Restricted Working Space, Add</i>	19.25	
			<i>For Installation Above 14', Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.25	
26 05 33	13-0737		Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0672)		
26 05 33	13-0738	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	96.54	14.67
			<i>For Work In Restricted Working Space, Add</i>	11.00	
			<i>For Installation Above 14', Add</i>	5.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0739 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	107.11 12.38 6.19	16.51
26 05 33 13-0740 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	119.03 13.76 6.88	18.34
26 05 33 13-0741 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	141.72 15.13 7.56	20.17
26 05 33 13-0742 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	170.80 16.50 8.25	22.01
26 05 33 13-0743 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	219.27 17.88 8.94	23.84
26 05 33 13-0744 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	324.16 22.01 11.00	29.33
26 05 33 13-0745 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	391.16 27.50 13.75	36.67
26 05 33 13-0746 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	537.87 33.01 16.50	44.00
26 05 33 13-0747 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	618.70 35.75 17.88	47.67
26 05 33 13-0748 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0672)</small>		
26 05 33 13-0749 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.87 13.75 6.88 13.75	22.92
26 05 33 13-0750 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.06 16.50 8.25 16.50	27.50
26 05 33 13-0751 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.95 19.25 9.63 19.25	32.09
26 05 33 13-0752 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.57 22.01 11.00 22.01	36.67
26 05 33 13-0753 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.08 24.75 12.38 24.75	41.26
26 05 33 13-0754 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.03 27.50 13.75 27.50	45.84
26 05 33 13-0755 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.97 33.00 16.50 33.00	55.01
26 05 33 13-0756 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.65 38.51 19.25 38.51	64.18
26 05 33 13-0757 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	597.47 44.00 22.00 44.00	73.35
26 05 33 13-0758 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	686.74 49.51 24.75 49.51	82.51
26 05 33 13-0759 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0672)</small>		
26 05 33 13-0760 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.78 3.30 1.65	4.40
26 05 33 13-0761 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.54 4.68 2.34	6.23
26 05 33 13-0762 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.57 6.05 3.02	8.07
26 05 33 13-0763 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.71 6.88 3.44	9.17

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0764	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	29.73	11.00
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.12	
26 05 33 13-0765	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling	34.15	12.47
			<i>For Work In Restricted Working Space, Add</i>	9.36	
			<i>For Installation Above 14', Add</i>	4.68	
26 05 33 13-0766	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	41.38	13.94
			<i>For Work In Restricted Working Space, Add</i>	10.45	
			<i>For Installation Above 14', Add</i>	5.22	
26 05 33 13-0767	EA		3" Intermediate Metal Conduit (IMC) Threaded Coupling	48.36	15.77
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Installation Above 14', Add</i>	5.91	
26 05 33 13-0768	EA		3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	55.05	17.24
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Installation Above 14', Add</i>	6.47	
26 05 33 13-0769	EA		4" Intermediate Metal Conduit (IMC) Threaded Coupling	57.88	18.34
			<i>For Work In Restricted Working Space, Add</i>	13.75	
			<i>For Installation Above 14', Add</i>	6.87	
26 05 33 13-0770			Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0672)</small>		
26 05 33 13-0771	EA		1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	5.46	1.83
			<i>For Work In Restricted Working Space, Add</i>	1.37	
			<i>For Installation Above 14', Add</i>	0.69	
26 05 33 13-0772	EA		3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	5.97	1.83
			<i>For Work In Restricted Working Space, Add</i>	1.38	
			<i>For Installation Above 14', Add</i>	0.69	
26 05 33 13-0773			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>		
			Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0774			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0773)</small>		
			Note: Includes field bending for conduit up to 1".		
26 05 33 13-0775	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	10.69	2.57
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.91	
			<i>For Installation Above 14', Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
26 05 33 13-0776	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.30	2.94
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.74	
			<i>For >1,000, Deduct</i>	-1.05	
			<i>For Installation Above 14', Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
26 05 33 13-0777	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	15.59	3.67
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.94	
			<i>For >1,000, Deduct</i>	-1.33	
			<i>For Installation Above 14', Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	2.75	
26 05 33 13-0778	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	19.14	4.40
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.64	
			<i>For Installation Above 14', Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	3.30	
26 05 33 13-0779	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	23.65	5.50
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.43	
			<i>For >1,000, Deduct</i>	-2.02	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
26 05 33 13-0780	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	29.41	6.60
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.79	
			<i>For >1,000, Deduct</i>	-2.53	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.95	
26 05 33 13-0781	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	38.81	7.70
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-3.40	
			<i>For Installation Above 14', Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	5.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0782 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	48.50	9.53
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500 To 1,000, Deduct</i>	-3.04	
<i>For >1,000, Deduct</i>	-4.25	
<i>For Installation Above 14', Add</i>	3.58	
<i>For Work In Restricted Working Space, Add</i>	7.15	
26 05 33 13-0783 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	59.50	11.73
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500 To 1,000, Deduct</i>	-3.73	
<i>For >1,000, Deduct</i>	-5.22	
<i>For Installation Above 14', Add</i>	4.40	
<i>For Work In Restricted Working Space, Add</i>	8.80	
26 05 33 13-0784 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	70.39	13.94
<i>For >250 To 500, Deduct</i>	-2.65	
<i>For >500 To 1,000, Deduct</i>	-4.41	
<i>For >1,000, Deduct</i>	-6.17	
<i>For Installation Above 14', Add</i>	5.22	
<i>For Work In Restricted Working Space, Add</i>	10.45	
26 05 33 13-0785 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	104.28	16.51
<i>For >250 To 500, Deduct</i>	-4.18	
<i>For >500 To 1,000, Deduct</i>	-6.79	
<i>For >1,000, Deduct</i>	-9.40	
<i>For Installation Above 14', Add</i>	6.19	
<i>For Work In Restricted Working Space, Add</i>	12.38	
26 05 33 13-0786 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	141.38	22.01
<i>For >250 To 500, Deduct</i>	-5.69	
<i>For >500 To 1,000, Deduct</i>	-9.23	
<i>For >1,000, Deduct</i>	-12.76	
<i>For Installation Above 14', Add</i>	8.25	
<i>For Work In Restricted Working Space, Add</i>	16.50	
26 05 33 13-0787 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0788 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	11.68	3.58
<i>For Installation Above 14', Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	2.15	
26 05 33 13-0789 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	14.27	4.77
<i>For Installation Above 14', Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	2.86	
26 05 33 13-0790 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	18.08	5.96
<i>For Installation Above 14', Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	3.58	
26 05 33 13-0791 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	20.28	6.55
<i>For Installation Above 14', Add</i>	1.97	
<i>For Work In Restricted Working Space, Add</i>	3.93	
26 05 33 13-0792 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	24.02	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
26 05 33 13-0793 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	30.36	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-0794 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	52.34	10.72
<i>For Installation Above 14', Add</i>	3.22	
<i>For Work In Restricted Working Space, Add</i>	6.44	
26 05 33 13-0795 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	67.30	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-0796 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	82.67	17.28
<i>For Installation Above 14', Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	10.37	
26 05 33 13-0797 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	103.92	23.84
<i>For Installation Above 14', Add</i>	7.15	
<i>For Work In Restricted Working Space, Add</i>	14.30	
26 05 33 13-0798 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	248.87	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-0799 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	241.72	18.47
<i>For Installation Above 14', Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-0800 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0773)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0801 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	45.63	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-0802 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	53.40	18.47
<i>For Installation Above 14', Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-0803 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	64.15	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0804 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	75.62	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
26 05 33 13-0805 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	88.07	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
26 05 33 13-0806 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	105.30	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
26 05 33 13-0807 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	157.13	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
26 05 33 13-0808 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	231.71	56.02
For Installation Above 14', Add	16.80	
For Work In Restricted Working Space, Add	33.61	
26 05 33 13-0809 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	283.37	63.16
For Installation Above 14', Add	18.95	
For Work In Restricted Working Space, Add	37.90	
26 05 33 13-0810 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	330.47	82.23
For Installation Above 14', Add	24.67	
For Work In Restricted Working Space, Add	49.34	
26 05 33 13-0811 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	668.20	134.07
For Installation Above 14', Add	40.22	
For Work In Restricted Working Space, Add	80.45	
26 05 33 13-0812 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,045.86	201.42
For Installation Above 14', Add	60.43	
For Work In Restricted Working Space, Add	120.85	
26 05 33 13-0813 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0814 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	101.49	22.65
For Installation Above 14', Add	6.79	
For Work In Restricted Working Space, Add	13.59	
26 05 33 13-0815 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	114.60	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
26 05 33 13-0816 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	130.75	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
26 05 33 13-0817 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	154.55	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
26 05 33 13-0818 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	212.87	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
26 05 33 13-0819 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0820 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	111.59	22.65
For Installation Above 14', Add	6.79	
For Work In Restricted Working Space, Add	13.59	
26 05 33 13-0821 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	131.29	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
26 05 33 13-0822 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	142.72	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
26 05 33 13-0823 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	180.64	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
26 05 33 13-0824 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	238.02	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
26 05 33 13-0825 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	306.31	56.02
For Installation Above 14', Add	16.80	
For Work In Restricted Working Space, Add	33.61	
26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0827 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	123.66	22.65
For Installation Above 14', Add	6.79	
For Work In Restricted Working Space, Add	13.59	
26 05 33 13-0828 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	139.98	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
26 05 33 13-0829 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	158.07	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
26 05 33 13-0830 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	189.29	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0831 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	266.93 12.33 24.67	41.12
26 05 33 13-0832 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	340.25 16.80 33.61	56.02
26 05 33 13-0833 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	425.49 18.95 37.90	63.16
26 05 33 13-0834 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	485.31 24.67 49.34	82.23
26 05 33 13-0835 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0836 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	144.52 6.79 13.59	22.65
26 05 33 13-0837 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	160.38 7.87 15.73	26.22
26 05 33 13-0838 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	181.23 8.94 17.88	29.79
26 05 33 13-0839 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.64 9.83 19.67	32.78
26 05 33 13-0840 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	318.66 12.33 24.67	41.12
26 05 33 13-0841 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	397.75 16.80 33.61	56.02
26 05 33 13-0842 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	460.60 18.95 37.90	63.16
26 05 33 13-0843 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	549.76 24.67 49.34	82.23
26 05 33 13-0844 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0845 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	160.74 6.79 13.59	22.65
26 05 33 13-0846 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	179.36 7.87 15.73	26.22
26 05 33 13-0847 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	204.02 8.94 17.88	29.79
26 05 33 13-0848 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	251.67 9.83 19.67	32.78
26 05 33 13-0849 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	346.89 12.33 24.67	41.12
26 05 33 13-0850 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	443.74 16.80 33.61	56.02
26 05 33 13-0851 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	545.96 18.95 37.90	63.16
26 05 33 13-0852 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	608.93 24.67 49.34	82.23
26 05 33 13-0853 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,013.59 40.22 80.45	134.07
26 05 33 13-0854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows (26 05 33 13-0773)		
26 05 33 13-0855 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	181.97 6.79 13.59	22.65
26 05 33 13-0856 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	202.31 7.87 15.73	26.22
26 05 33 13-0857 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	229.01 8.94 17.88	29.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0858 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	283.87	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-0859 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	393.93	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-0860 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	502.33	56.02
<i>For Installation Above 14', Add</i>	16.80	
<i>For Work In Restricted Working Space, Add</i>	33.61	
26 05 33 13-0861 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	588.73	63.16
<i>For Installation Above 14', Add</i>	18.95	
<i>For Work In Restricted Working Space, Add</i>	37.90	
26 05 33 13-0862 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	685.30	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
26 05 33 13-0863 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,067.12	134.07
<i>For Installation Above 14', Add</i>	40.22	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-0864 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,468.82	201.42
<i>For Installation Above 14', Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	120.85	
26 05 33 13-0865 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0866 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	211.51	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-0867 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	222.76	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-0868 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	262.45	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
26 05 33 13-0869 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	328.69	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-0870 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	457.35	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-0871 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	581.33	56.02
<i>For Installation Above 14', Add</i>	16.80	
<i>For Work In Restricted Working Space, Add</i>	33.61	
26 05 33 13-0872 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	707.64	63.16
<i>For Installation Above 14', Add</i>	18.95	
<i>For Work In Restricted Working Space, Add</i>	37.90	
26 05 33 13-0873 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	833.89	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
26 05 33 13-0874 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,241.72	134.07
<i>For Installation Above 14', Add</i>	40.22	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-0875 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,548.97	201.42
<i>For Installation Above 14', Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	120.85	
26 05 33 13-0876 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0877 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	218.63	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-0878 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	257.35	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-0879 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	291.38	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
26 05 33 13-0880 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	342.18	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-0881 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	473.19	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-0882 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	605.62	56.02
<i>For Installation Above 14', Add</i>	16.80	
<i>For Work In Restricted Working Space, Add</i>	33.61	
26 05 33 13-0883 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	772.40	63.16
<i>For Installation Above 14', Add</i>	18.95	
<i>For Work In Restricted Working Space, Add</i>	37.90	
26 05 33 13-0884 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	867.59	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0885 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,288.62	134.07
<i>For Installation Above 14', Add</i>	40.22	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-0886 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,589.69	201.42
<i>For Installation Above 14', Add</i>	60.43	
<i>For Work In Restricted Working Space, Add</i>	120.85	
26 05 33 13-0887 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0888 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	83.06	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-0889 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	102.15	19.66
<i>For Installation Above 14', Add</i>	5.90	
<i>For Work In Restricted Working Space, Add</i>	11.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80	
26 05 33 13-0890 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	135.00	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.59	
26 05 33 13-0891 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	218.09	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0892 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	241.09	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88	
26 05 33 13-0893 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	303.01	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-0894 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	809.62	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-0895 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	968.63	56.02
<i>For Installation Above 14', Add</i>	16.81	
<i>For Work In Restricted Working Space, Add</i>	33.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.61	
26 05 33 13-0896 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting	1,289.58	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0898 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	79.82	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-0899 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	98.49	19.66
<i>For Installation Above 14', Add</i>	5.90	
<i>For Work In Restricted Working Space, Add</i>	11.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80	
26 05 33 13-0900 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	135.00	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.59	
26 05 33 13-0901 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	216.21	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0902 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	233.49	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88	
26 05 33 13-0903 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	303.10	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-0904 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting	777.22	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0905 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	944.99	56.02
For Installation Above 14', Add	16.81	
For Work In Restricted Working Space, Add	33.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.61	
26 05 33 13-0906 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,289.53	82.23
For Installation Above 14', Add	24.67	
For Work In Restricted Working Space, Add	49.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.34	
26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0908 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	72.65	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-0909 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	87.61	19.66
For Installation Above 14', Add	5.90	
For Work In Restricted Working Space, Add	11.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.80	
26 05 33 13-0910 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	103.19	22.65
For Installation Above 14', Add	6.79	
For Work In Restricted Working Space, Add	13.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.59	
26 05 33 13-0911 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	144.62	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.73	
26 05 33 13-0912 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	168.66	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.88	
26 05 33 13-0913 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	256.25	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.67	
26 05 33 13-0914 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	687.00	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-0915 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	776.46	56.02
For Installation Above 14', Add	16.81	
For Work In Restricted Working Space, Add	33.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.61	
26 05 33 13-0916 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	995.07	82.23
For Installation Above 14', Add	24.67	
For Work In Restricted Working Space, Add	49.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.34	
26 05 33 13-0917 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0918 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	120.62	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-0919 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	180.89	19.66
For Installation Above 14', Add	5.90	
For Work In Restricted Working Space, Add	11.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.80	
26 05 33 13-0920 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	226.73	22.65
For Installation Above 14', Add	6.79	
For Work In Restricted Working Space, Add	13.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.59	
26 05 33 13-0921 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	261.74	26.22
For Installation Above 14', Add	7.87	
For Work In Restricted Working Space, Add	15.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.73	
26 05 33 13-0922 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	297.27	29.79
For Installation Above 14', Add	8.94	
For Work In Restricted Working Space, Add	17.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.88	
26 05 33 13-0923 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	389.10	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0924 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,204.01	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-0925 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,408.47	56.02
<i>For Installation Above 14', Add</i>	16.81	
<i>For Work In Restricted Working Space, Add</i>	33.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.61	
26 05 33 13-0926 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,736.13	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 05 33 13-0927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0928 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	133.35	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-0929 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	192.91	19.66
<i>For Installation Above 14', Add</i>	5.90	
<i>For Work In Restricted Working Space, Add</i>	11.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80	
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	229.02	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.59	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	265.51	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	307.60	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	479.95	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,341.08	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,887.04	56.02
<i>For Installation Above 14', Add</i>	16.81	
<i>For Work In Restricted Working Space, Add</i>	33.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.61	
26 05 33 13-0936 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,978.39	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 05 33 13-0937 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0938 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	106.59	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-0939 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	134.79	19.66
<i>For Installation Above 14', Add</i>	5.90	
<i>For Work In Restricted Working Space, Add</i>	11.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80	
26 05 33 13-0940 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	161.18	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0941	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	178.98	26.22
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0942	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	239.18	29.79
			<i>For Installation Above 14', Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88	
26 05 33 13-0943	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	334.95	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-0944	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,090.47	41.12
			<i>For Installation Above 14', Add</i>	12.33	
			<i>For Work In Restricted Working Space, Add</i>	24.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-0945	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,230.94	56.02
			<i>For Installation Above 14', Add</i>	16.81	
			<i>For Work In Restricted Working Space, Add</i>	33.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.61	
26 05 33 13-0946	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,468.08	82.23
			<i>For Installation Above 14', Add</i>	24.67	
			<i>For Work In Restricted Working Space, Add</i>	49.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.34	
26 05 33 13-0947			Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0948	EA		1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	101.57	28.60
			<i>For Installation Above 14', Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.16	
26 05 33 13-0949	EA		3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	114.74	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-0950	EA		1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	140.91	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.53	
26 05 33 13-0951	EA		1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	182.54	43.50
			<i>For Installation Above 14', Add</i>	13.05	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.10	
26 05 33 13-0952	EA		1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	212.02	47.67
			<i>For Installation Above 14', Add</i>	14.30	
			<i>For Work In Restricted Working Space, Add</i>	28.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.60	
26 05 33 13-0953	EA		2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	286.44	57.21
			<i>For Installation Above 14', Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	34.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.33	
26 05 33 13-0954	EA		2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	476.58	80.45
			<i>For Installation Above 14', Add</i>	24.14	
			<i>For Work In Restricted Working Space, Add</i>	48.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.27	
26 05 33 13-0955	EA		3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	611.65	107.27
			<i>For Installation Above 14', Add</i>	32.18	
			<i>For Work In Restricted Working Space, Add</i>	64.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.36	
26 05 33 13-0956	EA		3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	845.12	134.07
			<i>For Installation Above 14', Add</i>	40.22	
			<i>For Work In Restricted Working Space, Add</i>	80.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.45	
26 05 33 13-0957	EA		4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	973.29	163.28
			<i>For Installation Above 14', Add</i>	48.98	
			<i>For Work In Restricted Working Space, Add</i>	97.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0958				Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0959	EA			1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 132.76	132.76	37.54
				For Installation Above 14', Add	11.26	
				For Work In Restricted Working Space, Add	22.52	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-0960	EA			3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 150.97	150.97	41.71
				For Installation Above 14', Add	12.51	
				For Work In Restricted Working Space, Add	25.03	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 05 33 13-0961	EA			1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 182.74	182.74	45.89
				For Installation Above 14', Add	13.76	
				For Work In Restricted Working Space, Add	27.53	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.53	
26 05 33 13-0962	EA			1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 242.72	242.72	52.44
				For Installation Above 14', Add	15.73	
				For Work In Restricted Working Space, Add	31.46	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.46	
26 05 33 13-0963	EA			1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 285.28	285.28	57.21
				For Installation Above 14', Add	17.16	
				For Work In Restricted Working Space, Add	34.32	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.32	
26 05 33 13-0964	EA			2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 386.07	386.07	70.32
				For Installation Above 14', Add	21.10	
				For Work In Restricted Working Space, Add	42.19	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.19	
26 05 33 13-0965				Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0966	EA			1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 116.76	116.76	32.78
				For Installation Above 14', Add	9.83	
				For Work In Restricted Working Space, Add	19.67	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.67	
26 05 33 13-0967	EA			3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 133.47	133.47	38.14
				For Installation Above 14', Add	11.44	
				For Work In Restricted Working Space, Add	22.88	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.88	
26 05 33 13-0968	EA			1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 160.05	160.05	41.71
				For Installation Above 14', Add	12.51	
				For Work In Restricted Working Space, Add	25.03	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.03	
26 05 33 13-0969	EA			1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 203.20	203.20	47.67
				For Installation Above 14', Add	14.30	
				For Work In Restricted Working Space, Add	28.60	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.60	
26 05 33 13-0970	EA			1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 239.58	239.58	52.44
				For Installation Above 14', Add	15.73	
				For Work In Restricted Working Space, Add	31.46	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.46	
26 05 33 13-0971	EA			2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 318.36	318.36	61.38
				For Installation Above 14', Add	18.41	
				For Work In Restricted Working Space, Add	36.83	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.83	
26 05 33 13-0972	EA			2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 509.19	509.19	89.39
				For Installation Above 14', Add	26.82	
				For Work In Restricted Working Space, Add	53.63	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.63	
26 05 33 13-0973	EA			3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 673.30	673.30	116.21
				For Installation Above 14', Add	34.86	
				For Work In Restricted Working Space, Add	69.72	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.72	
26 05 33 13-0974	EA			3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 919.76	919.76	143.01
				For Installation Above 14', Add	42.90	
				For Work In Restricted Working Space, Add	85.81	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.81	
26 05 33 13-0975	EA			4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover 1,031.95	1,031.95	172.22
				For Installation Above 14', Add	51.67	
				For Work In Restricted Working Space, Add	103.33	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.33	
26 05 33 13-0976				Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0773)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0977	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	18.77	3.58
			<i>For Installation Above 14', Add</i>	1.07	
			<i>For Work In Restricted Working Space, Add</i>	2.15	
26 05 33	13-0978	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	21.16	4.17
			<i>For Installation Above 14', Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	2.50	
26 05 33	13-0979	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	27.54	5.36
			<i>For Installation Above 14', Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	3.22	
26 05 33	13-0980	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	35.17	6.55
			<i>For Installation Above 14', Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	3.93	
26 05 33	13-0981	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	39.68	7.75
			<i>For Installation Above 14', Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	4.65	
26 05 33	13-0982	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	48.63	8.94
			<i>For Installation Above 14', Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33	13-0983	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	61.84	10.13
			<i>For Installation Above 14', Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	6.08	
26 05 33	13-0984	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	70.18	14.30
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
26 05 33	13-0985	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	84.31	16.09
			<i>For Installation Above 14', Add</i>	4.83	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33	13-0986	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	92.66	20.26
			<i>For Installation Above 14', Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	12.16	
26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel					
(RGS) EYS Sealing Conduit Bodies (26 05 33 13-0773)					
26 05 33	13-0988	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	113.50	28.60
			<i>For Installation Above 14', Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.16	
26 05 33	13-0989	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	126.09	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33	13-0990	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	146.99	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.52	
26 05 33	13-0991	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	174.10	43.50
			<i>For Installation Above 14', Add</i>	13.05	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.10	
26 05 33	13-0992	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	214.40	47.67
			<i>For Installation Above 14', Add</i>	14.30	
			<i>For Work In Restricted Working Space, Add</i>	28.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.60	
26 05 33	13-0993	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	259.63	57.21
			<i>For Installation Above 14', Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.32	
26 05 33	13-0994	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	375.14	80.45
			<i>For Installation Above 14', Add</i>	24.14	
			<i>For Work In Restricted Working Space, Add</i>	48.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.27	
26 05 33	13-0995	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	482.48	107.27
			<i>For Installation Above 14', Add</i>	32.18	
			<i>For Work In Restricted Working Space, Add</i>	64.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.36	
26 05 33	13-0996	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	936.59	134.07
			<i>For Installation Above 14', Add</i>	40.22	
			<i>For Work In Restricted Working Space, Add</i>	80.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.45	
26 05 33	13-0997	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,359.81	163.28
			<i>For Installation Above 14', Add</i>	48.98	
			<i>For Work In Restricted Working Space, Add</i>	97.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.97	

26 05 33 13-0998 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) EYD Sealing Conduit Bodies (26 05 33 13-0773)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.77 8.58 17.16 17.16	28.60
26 05 33 13-1000 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.84 9.83 19.67 19.67	32.78
26 05 33 13-1001 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.52 11.26 22.52 22.52	37.54
26 05 33 13-1002 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.58 13.05 26.10 26.10	43.50
26 05 33 13-1003 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	311.65 14.30 28.60 28.60	47.67
26 05 33 13-1004 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.14 17.16 34.32 34.32	57.21
26 05 33 13-1005 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	495.43 24.14 48.27 48.27	80.45
26 05 33 13-1006 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	688.48 32.18 64.36 64.36	107.27
26 05 33 13-1007 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	996.41 40.22 80.45 80.45	134.07
26 05 33 13-1008 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,438.09 48.98 97.97 97.97	163.28
26 05 33 13-1009 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>		
26 05 33 13-1010 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.50 8.58 17.16 17.16	28.60
26 05 33 13-1011 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.34 9.83 19.67 19.67	32.78
26 05 33 13-1012 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.47 11.26 22.52 22.52	37.54
26 05 33 13-1013 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.62 13.05 26.10 26.10	43.50
26 05 33 13-1014 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.56 14.30 28.60 28.60	47.67
26 05 33 13-1015 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.90 17.16 34.32 34.32	57.21
26 05 33 13-1016 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	546.58 24.14 48.27 48.27	80.45
26 05 33 13-1017 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	792.55 32.18 64.36 64.36	107.27

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1018 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	996.41	134.07
For Installation Above 14', Add	40.22	
For Work In Restricted Working Space, Add	80.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.45	
26 05 33 13-1019 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>		
26 05 33 13-1020 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	197.12	28.60
For Installation Above 14', Add	8.58	
For Work In Restricted Working Space, Add	17.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.16	
26 05 33 13-1021 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	219.11	32.78
For Installation Above 14', Add	9.83	
For Work In Restricted Working Space, Add	19.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.67	
26 05 33 13-1022 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	270.48	37.54
For Installation Above 14', Add	11.26	
For Work In Restricted Working Space, Add	22.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-1023 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	332.47	43.50
For Installation Above 14', Add	13.05	
For Work In Restricted Working Space, Add	26.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.10	
26 05 33 13-1024 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	457.54	47.67
For Installation Above 14', Add	14.30	
For Work In Restricted Working Space, Add	28.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.60	
26 05 33 13-1025 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	548.38	57.21
For Installation Above 14', Add	17.16	
For Work In Restricted Working Space, Add	34.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.32	
26 05 33 13-1026 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0773)</small>		
26 05 33 13-1027 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	40.06	11.46
For Installation Above 14', Add	3.44	
For Work In Restricted Working Space, Add	6.88	
26 05 33 13-1028 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	52.62	13.75
For Installation Above 14', Add	4.13	
For Work In Restricted Working Space, Add	8.25	
26 05 33 13-1029 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	67.17	18.34
For Installation Above 14', Add	5.50	
For Work In Restricted Working Space, Add	11.00	
26 05 33 13-1030 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	91.61	22.92
For Installation Above 14', Add	6.88	
For Work In Restricted Working Space, Add	13.75	
26 05 33 13-1031 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	119.31	27.50
For Installation Above 14', Add	8.25	
For Work In Restricted Working Space, Add	16.50	
26 05 33 13-1032 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	200.14	32.09
For Installation Above 14', Add	9.63	
For Work In Restricted Working Space, Add	19.25	
26 05 33 13-1033 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	287.41	36.67
For Installation Above 14', Add	11.00	
For Work In Restricted Working Space, Add	22.01	
26 05 33 13-1034 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	357.01	41.26
For Installation Above 14', Add	12.38	
For Work In Restricted Working Space, Add	24.75	
26 05 33 13-1035 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	493.74	48.13
For Installation Above 14', Add	14.44	
For Work In Restricted Working Space, Add	28.88	
26 05 33 13-1036 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	598.30	55.01
For Installation Above 14', Add	16.50	
For Work In Restricted Working Space, Add	33.00	
26 05 33 13-1037 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	957.27	87.09
For Installation Above 14', Add	26.13	
For Work In Restricted Working Space, Add	52.26	
26 05 33 13-1038 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,313.34	132.93
For Installation Above 14', Add	39.88	
For Work In Restricted Working Space, Add	79.76	
26 05 33 13-1039 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1040 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	143.45	28.60
For Installation Above 14', Add	8.58	
For Work In Restricted Working Space, Add	17.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1041 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	168.81	31.59
<i>For Installation Above 14', Add</i>	9.47	
<i>For Work In Restricted Working Space, Add</i>	18.95	
26 05 33 13-1042 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	187.20	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.52	
26 05 33 13-1043 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	265.42	43.50
<i>For Installation Above 14', Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1044 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	346.76	47.67
<i>For Installation Above 14', Add</i>	14.30	
<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1045 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	376.27	57.21
<i>For Installation Above 14', Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1046 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	869.47	79.26
<i>For Installation Above 14', Add</i>	23.78	
<i>For Work In Restricted Working Space, Add</i>	47.56	
26 05 33 13-1047 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	925.65	107.27
<i>For Installation Above 14', Add</i>	32.18	
<i>For Work In Restricted Working Space, Add</i>	64.36	
26 05 33 13-1048 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,499.93	134.07
<i>For Installation Above 14', Add</i>	40.23	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-1049 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,570.29	163.28
<i>For Installation Above 14', Add</i>	48.99	
<i>For Work In Restricted Working Space, Add</i>	97.97	
26 05 33 13-1050 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1051 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	204.83	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1052 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	233.40	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1053 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	451.24	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.52	
26 05 33 13-1054 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	474.78	43.50
<i>For Installation Above 14', Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1055 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	644.99	47.67
<i>For Installation Above 14', Add</i>	14.30	
<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1056 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	690.13	57.21
<i>For Installation Above 14', Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1057 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,316.92	80.45
<i>For Installation Above 14', Add</i>	24.14	
<i>For Work In Restricted Working Space, Add</i>	48.27	
26 05 33 13-1058 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,393.40	107.27
<i>For Installation Above 14', Add</i>	32.18	
<i>For Work In Restricted Working Space, Add</i>	64.36	
26 05 33 13-1059 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,033.49	134.07
<i>For Installation Above 14', Add</i>	40.22	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-1060 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,306.48	163.28
<i>For Installation Above 14', Add</i>	48.98	
<i>For Work In Restricted Working Space, Add</i>	97.97	
26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1062 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	79.90	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1063 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	93.37	18.47
<i>For Installation Above 14', Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	11.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	111.44	22.65
			<i>For Installation Above 14', Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1065	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	131.38	26.22
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1066			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1067	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	63.91	14.90
			<i>For Installation Above 14', Add</i>	4.47	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1068	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	74.18	18.47
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-1069	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	102.09	22.65
			<i>For Installation Above 14', Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1070	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	131.45	26.22
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1071	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	159.51	29.79
			<i>For Installation Above 14', Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	17.88	
26 05 33 13-1072	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	226.21	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1073	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	307.98	41.12
			<i>For Installation Above 14', Add</i>	12.33	
			<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-1074			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1075	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	79.93	14.90
			<i>For Installation Above 14', Add</i>	4.47	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1076	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	95.58	18.47
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-1077	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	111.46	22.65
			<i>For Installation Above 14', Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1078	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	131.42	26.22
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1079			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1080	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	63.96	14.90
			<i>For Installation Above 14', Add</i>	4.47	
			<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1081	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	74.18	18.47
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-1082	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	95.47	22.65
			<i>For Installation Above 14', Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1083	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	118.59	26.22
			<i>For Installation Above 14', Add</i>	7.87	
			<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1084	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	138.57	29.79
			<i>For Installation Above 14', Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	17.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1085 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	159.12	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	290.87	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	336.17	56.02
<i>For Installation Above 14', Add</i>	16.80	
<i>For Work In Restricted Working Space, Add</i>	33.61	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	363.55	63.16
<i>For Installation Above 14', Add</i>	18.95	
<i>For Work In Restricted Working Space, Add</i>	37.90	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	449.88	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
26 05 33 13-1090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1091 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	133.09	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.16	
26 05 33 13-1092 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	144.42	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.67	
26 05 33 13-1093 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	158.61	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.52	
26 05 33 13-1094 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	210.85	43.50
<i>For Installation Above 14', Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	26.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.10	
26 05 33 13-1095 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	265.86	47.67
<i>For Installation Above 14', Add</i>	14.30	
<i>For Work In Restricted Working Space, Add</i>	28.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.60	
26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>		
26 05 33 13-1097 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	158.43	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1098 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	171.31	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1099 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	199.99	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.52	
26 05 33 13-1100 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	282.67	43.50
<i>For Installation Above 14', Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1101 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	451.97	47.67
<i>For Installation Above 14', Add</i>	14.30	
<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1102 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	490.15	57.21
<i>For Installation Above 14', Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>		
26 05 33 13-1104 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	172.81	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1105	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	195.29	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1106	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	213.68	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.52	
26 05 33 13-1107	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	296.58	43.50
			<i>For Installation Above 14', Add</i>	13.05	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1108	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	485.13	47.67
			<i>For Installation Above 14', Add</i>	14.30	
			<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1109	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	520.59	57.21
			<i>For Installation Above 14', Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1110			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>		
26 05 33 13-1111	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	172.92	28.60
			<i>For Installation Above 14', Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1112	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	191.05	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1113	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	226.89	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.53	
26 05 33 13-1114	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	307.17	43.50
			<i>For Installation Above 14', Add</i>	13.05	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1115	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	500.94	47.67
			<i>For Installation Above 14', Add</i>	14.30	
			<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1116	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	540.08	57.21
			<i>For Installation Above 14', Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1117			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>		
26 05 33 13-1118	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	212.73	28.60
			<i>For Installation Above 14', Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1119	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	235.30	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1120	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	255.67	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.53	
26 05 33 13-1121	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	628.89	43.50
			<i>For Installation Above 14', Add</i>	13.05	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1122			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0773)</small>		
			Note: Excludes cover.		
26 05 33 13-1123	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	106.59	28.60
			<i>For Installation Above 14', Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1124	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	117.60	32.78
			<i>For Installation Above 14', Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1125	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	131.60	37.54
			<i>For Installation Above 14', Add</i>	11.26	
			<i>For Work In Restricted Working Space, Add</i>	22.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1126 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	117.38	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1127 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	127.04	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1128 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	144.72	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.53	
26 05 33 13-1129 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0773)</small>		
<i>Note: Excludes cover.</i>		
26 05 33 13-1130 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	111.69	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1131 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	123.34	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1132 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	135.57	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.53	
26 05 33 13-1133 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	124.68	28.60
<i>For Installation Above 14', Add</i>	8.58	
<i>For Work In Restricted Working Space, Add</i>	17.16	
26 05 33 13-1134 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	136.46	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1135 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	154.41	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.53	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0773)</small>		
26 05 33 13-1137 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	37.71	3.58
<i>For Installation Above 14', Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	2.15	
26 05 33 13-1138 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	51.08	4.17
<i>For Installation Above 14', Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	2.50	
26 05 33 13-1139 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	48.28	4.17
<i>For Installation Above 14', Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	2.50	
26 05 33 13-1140 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	43.04	4.17
<i>For Installation Above 14', Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	2.50	
26 05 33 13-1141 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	205.84	5.96
<i>For Installation Above 14', Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	3.58	
26 05 33 13-1142 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	183.15	5.96
<i>For Installation Above 14', Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	3.58	
26 05 33 13-1143 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0773)</small>		
<i>Note: Includes covers.</i>		
26 05 33 13-1144 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	223.96	37.54
<i>For Installation Above 14', Add</i>	11.26	
<i>For Work In Restricted Working Space, Add</i>	22.52	
26 05 33 13-1145 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	251.94	43.50
<i>For Installation Above 14', Add</i>	13.05	
<i>For Work In Restricted Working Space, Add</i>	26.10	
26 05 33 13-1146 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	344.34	47.67
<i>For Installation Above 14', Add</i>	14.30	
<i>For Work In Restricted Working Space, Add</i>	28.60	
26 05 33 13-1147 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	410.43	57.21
<i>For Installation Above 14', Add</i>	17.16	
<i>For Work In Restricted Working Space, Add</i>	34.32	
26 05 33 13-1148 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	592.31	80.45
<i>For Installation Above 14', Add</i>	24.14	
<i>For Work In Restricted Working Space, Add</i>	48.27	
26 05 33 13-1149 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	749.01	107.27
<i>For Installation Above 14', Add</i>	32.18	
<i>For Work In Restricted Working Space, Add</i>	64.36	
26 05 33 13-1150 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,091.32	134.07
<i>For Installation Above 14', Add</i>	40.22	
<i>For Work In Restricted Working Space, Add</i>	80.45	
26 05 33 13-1151 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,353.24	163.28
<i>For Installation Above 14', Add</i>	48.98	
<i>For Work In Restricted Working Space, Add</i>	97.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1152	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 223.96 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.26 22.52	37.54
26 05 33 13-1153	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 251.94 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	13.05 26.10	43.50
26 05 33 13-1154	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 343.43 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.30 28.60	47.67
26 05 33 13-1155	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 401.19 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.16 34.32	57.21
26 05 33 13-1156	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 600.82 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	24.14 48.27	80.45
26 05 33 13-1157	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 787.17 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	32.18 64.36	107.27
26 05 33 13-1158	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,137.39 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	40.22 80.45	134.07
26 05 33 13-1159	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,381.93 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.98 97.97	163.28
26 05 33 13-1160	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 223.96 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.26 22.52	37.54
26 05 33 13-1161	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 251.94 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	13.05 26.10	43.50
26 05 33 13-1162	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 343.43 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.30 28.60	47.67
26 05 33 13-1163	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 401.19 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.16 34.32	57.21
26 05 33 13-1164	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 600.82 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	24.14 48.27	80.45
26 05 33 13-1165	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 787.17 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	32.18 64.36	107.27
26 05 33 13-1166	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,137.39 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	40.22 80.45	134.07
26 05 33 13-1167	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,381.93 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.98 97.97	163.28
26 05 33 13-1168	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 223.96 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.26 22.52	37.54
26 05 33 13-1169	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 251.94 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	13.05 26.10	43.50
26 05 33 13-1170	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 344.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.30 28.60	47.67
26 05 33 13-1171	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 406.16 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.16 34.32	57.21
26 05 33 13-1172	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 592.31 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	24.14 48.27	80.45
26 05 33 13-1173	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 749.01 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	32.18 64.36	107.27
26 05 33 13-1174	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,091.32 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	40.22 80.45	134.07
26 05 33 13-1175	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,365.19 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.98 97.97	163.28
26 05 33 13-1176			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0773)</small>		
26 05 33 13-1177	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover 107.72 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1.61 3.22	5.36
26 05 33 13-1178	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover 108.92 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1.79 3.58	5.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1179 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	153.95	8.34
<i>For Installation Above 14', Add</i>	2.50	
<i>For Work In Restricted Working Space, Add</i>	5.01	
26 05 33 13-1180 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	156.33	9.53
<i>For Installation Above 14', Add</i>	2.86	
<i>For Work In Restricted Working Space, Add</i>	5.72	
26 05 33 13-1181 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	271.72	11.32
<i>For Installation Above 14', Add</i>	3.40	
<i>For Work In Restricted Working Space, Add</i>	6.80	
26 05 33 13-1182 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	277.67	14.30
<i>For Installation Above 14', Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	8.58	
26 05 33 13-1183 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	416.74	16.09
<i>For Installation Above 14', Add</i>	4.83	
<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33 13-1184 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	426.27	20.85
<i>For Installation Above 14', Add</i>	6.26	
<i>For Work In Restricted Working Space, Add</i>	12.51	
26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	187.05	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	221.24	18.47
<i>For Installation Above 14', Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	262.09	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1189 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	322.42	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1190 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	429.59	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
26 05 33 13-1191 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	592.48	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1192 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	844.60	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
26 05 33 13-1193 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,051.54	56.02
<i>For Installation Above 14', Add</i>	16.80	
<i>For Work In Restricted Working Space, Add</i>	33.61	
26 05 33 13-1194 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,471.17	63.16
<i>For Installation Above 14', Add</i>	18.95	
<i>For Work In Restricted Working Space, Add</i>	37.90	
26 05 33 13-1195 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,698.14	82.23
<i>For Installation Above 14', Add</i>	24.67	
<i>For Work In Restricted Working Space, Add</i>	49.34	
26 05 33 13-1196 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0773)</small>		
26 05 33 13-1197 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	294.78	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1198 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	306.93	18.47
<i>For Installation Above 14', Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-1199 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	345.24	22.65
<i>For Installation Above 14', Add</i>	6.79	
<i>For Work In Restricted Working Space, Add</i>	13.59	
26 05 33 13-1200 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	417.44	26.22
<i>For Installation Above 14', Add</i>	7.87	
<i>For Work In Restricted Working Space, Add</i>	15.73	
26 05 33 13-1201 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	505.45	29.79
<i>For Installation Above 14', Add</i>	8.94	
<i>For Work In Restricted Working Space, Add</i>	17.88	
26 05 33 13-1202 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	644.70	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1203 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	949.81	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
26 05 33 13-1204 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,192.13	56.02
For Installation Above 14', Add	16.80	
For Work In Restricted Working Space, Add	33.61	
26 05 33 13-1205 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,516.55	63.16
For Installation Above 14', Add	18.95	
For Work In Restricted Working Space, Add	37.90	
26 05 33 13-1206 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,899.15	82.23
For Installation Above 14', Add	24.67	
For Work In Restricted Working Space, Add	49.34	
26 05 33 13-1207 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0773)		
26 05 33 13-1208 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	62.41	7.16
For Installation Above 14', Add	2.15	
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-1209 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	68.02	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1210 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	75.10	10.72
For Installation Above 14', Add	3.22	
For Work In Restricted Working Space, Add	6.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	
26 05 33 13-1211 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.24	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1212 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	113.85	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1213 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	138.69	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1214 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	197.66	20.85
For Installation Above 14', Add	6.26	
For Work In Restricted Working Space, Add	12.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.52	
26 05 33 13-1215 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	258.26	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.81	
26 05 33 13-1216 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	328.53	31.59
For Installation Above 14', Add	9.47	
For Work In Restricted Working Space, Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-1217 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	413.61	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-1218 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	518.86	66.74
For Installation Above 14', Add	20.02	
For Work In Restricted Working Space, Add	40.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.04	
26 05 33 13-1219 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	782.55	100.70
For Installation Above 14', Add	30.21	
For Work In Restricted Working Space, Add	60.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.43	
26 05 33 13-1220 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0773)		
26 05 33 13-1221 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	93.02	7.16
For Installation Above 14', Add	2.15	
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-1222 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	98.85	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1223 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	106.60	10.72
For Installation Above 14', Add	3.22	
For Work In Restricted Working Space, Add	6.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1224 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.97 3.93 7.87 7.87	13.11
26 05 33 13-1225 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.19 4.47 8.94 8.94	14.90
26 05 33 13-1226 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.35 5.01 10.01 10.01	16.69
26 05 33 13-1227 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.77 6.26 12.52 12.52	20.85
26 05 33 13-1228 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.95 8.40 16.81 16.81	28.01
26 05 33 13-1229 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	331.06 9.47 18.95 18.95	31.59
26 05 33 13-1230 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	429.91 12.33 24.67 24.67	41.12
26 05 33 13-1231 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	669.61 20.02 40.04 40.04	66.74
26 05 33 13-1232 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,093.20 30.21 60.43 60.43	100.70
26 05 33 13-1233 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0773)</small>		
26 05 33 13-1234 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.82 2.15 4.29 4.29	7.16
26 05 33 13-1235 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.31 2.68 5.36 5.36	8.94
26 05 33 13-1236 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.35 3.22 6.44 6.44	10.72
26 05 33 13-1237 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.46 3.93 7.87 7.87	13.11
26 05 33 13-1238 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.93 4.47 8.94 8.94	14.90
26 05 33 13-1239 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.42 5.01 10.01 10.01	16.69
26 05 33 13-1240 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0773)</small>		
26 05 33 13-1241 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	77.01 4.47 8.94	14.90
26 05 33 13-1242 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	85.03 5.54 11.09	18.47
26 05 33 13-1243 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	109.74 6.79 13.59	22.65
26 05 33 13-1244 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	156.17 7.87 15.73	26.22
26 05 33 13-1245 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	184.70 8.94 17.88	29.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	232.28 9.83 19.67	32.78
26 05 33 13-1247 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	307.96 12.33 24.67	41.12
26 05 33 13-1248 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	393.43 12.33 24.67	41.12
26 05 33 13-1249 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	512.35 18.95 37.90	63.16
26 05 33 13-1250 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	660.13 24.67 49.34	82.23
26 05 33 13-1251 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,194.61 40.22 80.45	134.07
26 05 33 13-1252 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,506.23 60.43 120.85	201.42
26 05 33 13-1253 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0773)		
26 05 33 13-1254 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	78.60 4.47 8.94	14.90
26 05 33 13-1255 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	91.10 5.54 11.09	18.47
26 05 33 13-1256 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	112.98 6.79 13.59	22.65
26 05 33 13-1257 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	162.11 7.87 15.73	26.22
26 05 33 13-1258 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	192.95 8.94 17.88	29.79
26 05 33 13-1259 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	250.10 9.83 19.67	32.78
26 05 33 13-1260 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	346.09 12.33 24.67	41.12
26 05 33 13-1261 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	432.20 12.33 24.67	41.12
26 05 33 13-1262 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	582.44 18.95 37.90	63.16
26 05 33 13-1263 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	729.96 24.67 49.34	82.23
26 05 33 13-1264 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,322.61 40.22 80.45	134.07
26 05 33 13-1265 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,712.92 60.43 120.85	201.42
26 05 33 13-1266 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings (26 05 33 13-0773)		
26 05 33 13-1267 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.47 1.43 2.86	4.77
26 05 33 13-1268 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	45.79 1.79 3.58	5.96
26 05 33 13-1269 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.76 1.79 3.58	5.96
26 05 33 13-1270 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	63.64 1.97 3.93	6.55
26 05 33 13-1271 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	67.08 1.97 3.93	6.55
26 05 33 13-1272 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	58.43 2.32 4.65	7.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	66.11	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
26 05 33 13-1274 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	100.67	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
26 05 33 13-1275 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	112.04	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1276 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	109.06	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1277 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	114.60	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1278 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	128.54	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
26 05 33 13-1279 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	128.37	10.72
<i>For Installation Above 14', Add</i>	3.22	
<i>For Work In Restricted Working Space, Add</i>	6.44	
26 05 33 13-1280 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	164.15	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
26 05 33 13-1281 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	239.91	17.28
<i>For Installation Above 14', Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	10.37	
26 05 33 13-1282 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	321.26	23.84
<i>For Installation Above 14', Add</i>	7.15	
<i>For Work In Restricted Working Space, Add</i>	14.30	
26 05 33 13-1283 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	402.88	32.78
<i>For Installation Above 14', Add</i>	9.83	
<i>For Work In Restricted Working Space, Add</i>	19.67	
26 05 33 13-1284 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0773)</small>		
26 05 33 13-1285 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	27.69	7.16
<i>For Installation Above 14', Add</i>	2.15	
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1286 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.53	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 33 13-1287 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.05	11.32
<i>For Installation Above 14', Add</i>	3.40	
<i>For Work In Restricted Working Space, Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.80	
26 05 33 13-1288 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.93	13.11
<i>For Installation Above 14', Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	7.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.87	
26 05 33 13-1289 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.08	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-1290 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.60	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1291 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.36	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 33 13-1292 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.90	11.32
<i>For Installation Above 14', Add</i>	3.40	
<i>For Work In Restricted Working Space, Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.80	
26 05 33 13-1293 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.89	13.11
<i>For Installation Above 14', Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	7.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.87	
26 05 33 13-1294 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.19	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-1295 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.68	16.69
<i>For Installation Above 14', Add</i>	5.01	
<i>For Work In Restricted Working Space, Add</i>	10.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1296 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.73	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1297 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.48	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1298 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.12	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1299 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.14	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1300 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.44	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1301 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.34	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1302 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.47	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1303 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.22	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1304 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.99	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1305 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.20	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1306 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.61	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1307 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.39	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1308 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.64	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-1309 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	102.66	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-1310 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.59	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1311 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.46	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1312 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.25	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1313 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.26	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1314 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.79	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1315 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.44	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1316 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.46	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1317 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	106.56	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-1318 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	126.20	31.59
For Installation Above 14', Add	9.47	
For Work In Restricted Working Space, Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-1319 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	149.67	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-1320 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.83	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1321 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.72	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1322 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.52	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1323 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.76	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1324 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.30	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1325 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.56	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1326 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	87.66	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-1327 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	112.39	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-1328 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	127.45	31.59
For Installation Above 14', Add	9.47	
For Work In Restricted Working Space, Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-1329 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	153.00	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-1330 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	223.30	56.61
For Installation Above 14', Add	16.98	
For Work In Restricted Working Space, Add	33.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.96	
26 05 33 13-1331 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.29	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1332 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.17	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1333 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.01	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1334 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.67	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1335 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.40	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1336 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.67	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1337 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	94.98	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1338 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	120.15	28.01
<i>For Installation Above 14', Add</i>	8.40	
<i>For Work In Restricted Working Space, Add</i>	16.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.80	
26 05 33 13-1339 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.43	31.59
<i>For Installation Above 14', Add</i>	9.47	
<i>For Work In Restricted Working Space, Add</i>	18.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.95	
26 05 33 13-1340 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	164.78	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-1341 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	240.92	56.61
<i>For Installation Above 14', Add</i>	16.98	
<i>For Work In Restricted Working Space, Add</i>	33.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.96	
26 05 33 13-1342 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.00	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1343 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.87	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 33 13-1344 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.11	11.32
<i>For Installation Above 14', Add</i>	3.40	
<i>For Work In Restricted Working Space, Add</i>	6.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 33 13-1345 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.91	13.11
<i>For Installation Above 14', Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	7.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.87	
26 05 33 13-1346 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.63	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-1347 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.12	16.69
<i>For Installation Above 14', Add</i>	5.01	
<i>For Work In Restricted Working Space, Add</i>	10.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33 13-1348 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	103.98	20.26
<i>For Installation Above 14', Add</i>	6.08	
<i>For Work In Restricted Working Space, Add</i>	12.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16	
26 05 33 13-1349 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	130.76	28.01
<i>For Installation Above 14', Add</i>	8.40	
<i>For Work In Restricted Working Space, Add</i>	16.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.80	
26 05 33 13-1350 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	151.92	31.59
<i>For Installation Above 14', Add</i>	9.47	
<i>For Work In Restricted Working Space, Add</i>	18.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.95	
26 05 33 13-1351 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	182.47	41.12
<i>For Installation Above 14', Add</i>	12.33	
<i>For Work In Restricted Working Space, Add</i>	24.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.67	
26 05 33 13-1352 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	253.00	56.61
<i>For Installation Above 14', Add</i>	16.98	
<i>For Work In Restricted Working Space, Add</i>	33.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.96	
26 05 33 13-1353 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.75	7.75
<i>For Installation Above 14', Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	4.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1354 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.60	8.94
<i>For Installation Above 14', Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	5.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 33 13-1355 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.19	11.32
<i>For Installation Above 14', Add</i>	3.40	
<i>For Work In Restricted Working Space, Add</i>	6.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 05 33 13-1356 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.20	13.11
<i>For Installation Above 14', Add</i>	3.93	
<i>For Work In Restricted Working Space, Add</i>	7.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.87	
26 05 33 13-1357 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.93	14.90
<i>For Installation Above 14', Add</i>	4.47	
<i>For Work In Restricted Working Space, Add</i>	8.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.94	
26 05 33 13-1358 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.14	16.69
<i>For Installation Above 14', Add</i>	5.01	
<i>For Work In Restricted Working Space, Add</i>	10.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1359 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	113.50	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-1360 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	144.35	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-1361 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.29	31.59
For Installation Above 14', Add	9.47	
For Work In Restricted Working Space, Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-1362 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	213.43	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-1363 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	277.09	56.61
For Installation Above 14', Add	16.98	
For Work In Restricted Working Space, Add	33.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.96	
26 05 33 13-1364 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.52	7.75
For Installation Above 14', Add	2.32	
For Work In Restricted Working Space, Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.65	
26 05 33 13-1365 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.46	8.94
For Installation Above 14', Add	2.68	
For Work In Restricted Working Space, Add	5.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.36	
26 05 33 13-1366 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.93	11.32
For Installation Above 14', Add	3.40	
For Work In Restricted Working Space, Add	6.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.79	
26 05 33 13-1367 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.62	13.11
For Installation Above 14', Add	3.93	
For Work In Restricted Working Space, Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.87	
26 05 33 13-1368 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.35	14.90
For Installation Above 14', Add	4.47	
For Work In Restricted Working Space, Add	8.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.94	
26 05 33 13-1369 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	81.57	16.69
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-1370 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	126.19	20.26
For Installation Above 14', Add	6.08	
For Work In Restricted Working Space, Add	12.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.16	
26 05 33 13-1371 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	164.73	28.01
For Installation Above 14', Add	8.40	
For Work In Restricted Working Space, Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-1372 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	181.56	31.59
For Installation Above 14', Add	9.47	
For Work In Restricted Working Space, Add	18.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.95	
26 05 33 13-1373 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	222.92	41.12
For Installation Above 14', Add	12.33	
For Work In Restricted Working Space, Add	24.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.67	
26 05 33 13-1374 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	280.53	56.61
For Installation Above 14', Add	16.98	
For Work In Restricted Working Space, Add	33.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.96	
26 05 33 13-1375 Aluminum Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1376 Aluminum Conduit With Threaded Coupling <small>(26 05 33 13-1375)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1377 LF 1/2" Aluminum Conduit With Threaded Coupling.....	5.61	1.83
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.69	
For Work In Restricted Working Space, Add	1.37	
26 05 33 13-1378 LF 3/4" Aluminum Conduit With Threaded Coupling.....	6.42	2.01
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.76	
For Work In Restricted Working Space, Add	1.51	
26 05 33 13-1379 LF 1" Aluminum Conduit With Threaded Coupling.....	7.46	2.20
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.83	
For Work In Restricted Working Space, Add	1.65	
26 05 33 13-1380 LF 1-1/4" Aluminum Conduit With Threaded Coupling.....	8.53	2.39
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
For Work In Restricted Working Space, Add	1.79	
26 05 33 13-1381 LF 1-1/2" Aluminum Conduit With Threaded Coupling.....	9.60	2.57
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.96	
For Work In Restricted Working Space, Add	1.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1382 LF 2" Aluminum Conduit With Threaded Coupling.....	11.61	2.94
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
For Work In Restricted Working Space, Add	2.20	
26 05 33 13-1383 LF 2-1/2" Aluminum Conduit With Threaded Coupling.....	15.91	3.67
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.38	
For Work In Restricted Working Space, Add	2.75	
26 05 33 13-1384 LF 3" Aluminum Conduit With Threaded Coupling.....	19.86	4.40
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.65	
For Work In Restricted Working Space, Add	3.30	
26 05 33 13-1385 LF 3-1/2" Aluminum Conduit With Threaded Coupling.....	24.38	5.50
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.06	
For Work In Restricted Working Space, Add	4.13	
26 05 33 13-1386 LF 4" Aluminum Conduit With Threaded Coupling.....	30.01	6.96
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.61	
For Work In Restricted Working Space, Add	5.23	
26 05 33 13-1387 LF 5" Aluminum Conduit With Threaded Coupling.....	40.03	8.80
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.30	
For Work In Restricted Working Space, Add	6.60	
26 05 33 13-1388 LF 6" Aluminum Conduit With Threaded Coupling.....	51.22	11.00
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.13	
For Work In Restricted Working Space, Add	8.25	
26 05 33 13-1389 Aluminum 90 Degree Elbows <small>(26 05 33 13-1375)</small>		
26 05 33 13-1390 EA 1" Aluminum 90 Degree Elbow	34.82	9.53
For Work In Restricted Working Space, Add	7.15	
26 05 33 13-1391 EA 1-1/4" Aluminum 90 Degree Elbow	44.49	10.82
For Work In Restricted Working Space, Add	8.12	
26 05 33 13-1392 EA 1-1/2" Aluminum 90 Degree Elbow	54.38	12.47
For Work In Restricted Working Space, Add	9.35	
26 05 33 13-1393 EA 2" Aluminum 90 Degree Elbow	69.93	14.30
For Work In Restricted Working Space, Add	10.73	
26 05 33 13-1394 EA 2-1/2" Aluminum 90 Degree Elbow	101.12	17.42
For Work In Restricted Working Space, Add	13.06	
26 05 33 13-1395 EA 3" Aluminum 90 Degree Elbow	145.32	22.55
For Work In Restricted Working Space, Add	16.91	
26 05 33 13-1396 EA 3-1/2" Aluminum 90 Degree Elbow	201.97	25.30
For Work In Restricted Working Space, Add	18.98	
26 05 33 13-1397 EA 4" Aluminum 90 Degree Elbow	243.78	31.72
For Work In Restricted Working Space, Add	23.79	
26 05 33 13-1398 EA 5" Aluminum 90 Degree Elbow	615.59	51.71
For Work In Restricted Working Space, Add	38.78	
26 05 33 13-1399 EA 6" Aluminum 90 Degree Elbow	867.23	77.75
For Work In Restricted Working Space, Add	58.31	
26 05 33 13-1400 Aluminum Bushing Set With Locknut <small>(26 05 33 13-1375)</small>		
26 05 33 13-1401 EA 1/2" Aluminum Bushing Set With Locknut.....	10.00	3.67
For Work In Restricted Working Space, Add	2.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 33 13-1402 EA 3/4" Aluminum Bushing Set With Locknut.....	15.28	4.77
For Work In Restricted Working Space, Add	3.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-1403 EA 1" Aluminum Bushing Set With Locknut.....	15.21	5.86
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-1404 EA 1-1/4" Aluminum Bushing Set With Locknut.....	17.11	6.60
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-1405 EA 1-1/2" Aluminum Bushing Set With Locknut.....	20.94	8.07
For Work In Restricted Working Space, Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-1406 EA 2" Aluminum Bushing Set With Locknut.....	25.57	9.72
For Work In Restricted Working Space, Add	7.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.29	
26 05 33 13-1407 EA 2-1/2" Aluminum Bushing Set With Locknut.....	31.48	11.55
For Work In Restricted Working Space, Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-1408 EA 3" Aluminum Bushing Set With Locknut.....	36.85	13.20
For Work In Restricted Working Space, Add	9.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 05 33 13-1409 EA 3-1/2" Aluminum Bushing Set With Locknut.....	39.86	14.30
For Work In Restricted Working Space, Add	10.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.73	
26 05 33 13-1410 EA 4" Aluminum Bushing Set With Locknut.....	43.42	15.40
For Work In Restricted Working Space, Add	11.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1411 EA 5" Aluminum Bushing Set With Locknut.....	57.50	20.53
For Work In Restricted Working Space, Add	15.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.40	
26 05 33 13-1412 EA 6" Aluminum Bushing Set With Locknut.....	85.47	30.81
For Work In Restricted Working Space, Add	23.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1413 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1414 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1413)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1415 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.64 0.21 0.40	1.39
26 05 33 13-1416 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.04 0.25 0.46	1.52
26 05 33 13-1417 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.77 0.30 0.56	1.78
26 05 33 13-1418 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.52 0.36 0.66	2.03
26 05 33 13-1419 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.46 0.43 0.78	2.37
26 05 33 13-1420 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.46 0.51 0.92	2.71
26 05 33 13-1421 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.14 0.68 1.19	3.22
26 05 33 13-1422 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.62 0.79 1.39	3.73
26 05 33 13-1423 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	12.68 0.97 1.68	4.41
26 05 33 13-1424 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.38 1.13 1.99	5.43
26 05 33 13-1425 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	21.72 1.61 2.83	7.63
26 05 33 13-1426 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.92 2.14 3.76	10.17
26 05 33 13-1427 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1413)</small> See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1428 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.57 1.00 1.91	6.78
26 05 33 13-1429 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.35 1.11 2.11	7.46
26 05 33 13-1430 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.32 1.34 2.51	8.47
26 05 33 13-1431 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.77 1.77 3.29	10.85
26 05 33 13-1432 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	36.13 2.25 4.17	13.56
26 05 33 13-1433 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	45.34 2.86 5.27	16.95
26 05 33 13-1434 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	56.41 3.93 7.03	20.35
26 05 33 13-1435 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	68.67 5.30 9.20	23.73
26 05 33 13-1436 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	85.18 6.88 11.80	28.82
26 05 33 13-1437 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	101.68 8.47 14.40	33.91

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1438 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	135.19 12.60 20.82	42.38
26 05 33 13-1439 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	164.46 15.68 25.77	50.86
26 05 33 13-1440 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1413) See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1441 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.44 0.97 1.87	6.78
26 05 33 13-1442 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.31 1.10 2.10	7.46
26 05 33 13-1443 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.25 1.32 2.49	8.47
26 05 33 13-1444 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.57 1.72 3.22	10.85
26 05 33 13-1445 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	35.69 2.14 4.01	13.56
26 05 33 13-1446 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	45.10 2.80 5.19	16.95
26 05 33 13-1447 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	55.96 3.82 6.87	20.35
26 05 33 13-1448 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	68.11 5.16 9.00	23.73
26 05 33 13-1449 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	83.61 6.49 11.25	28.82
26 05 33 13-1450 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	100.32 8.13 13.92	33.91
26 05 33 13-1451 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	133.43 12.16 20.21	42.38
26 05 33 13-1452 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	159.24 14.38 23.94	50.86
26 05 33 13-1453 Polyvinyl Chloride (PVC) Conduit Adapters (26 05 33 13-1413)		
26 05 33 13-1454 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.15 3.56	4.75
26 05 33 13-1455 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.93 4.07	5.43
26 05 33 13-1456 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77 4.58	6.10
26 05 33 13-1457 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.65 5.09	6.78
26 05 33 13-1458 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.93 6.36	8.47
26 05 33 13-1459 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.43 7.63	10.17
26 05 33 13-1460 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.94 10.17	13.56
26 05 33 13-1461 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.20 12.71	16.95
26 05 33 13-1462 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.71 16.53	22.04
26 05 33 13-1463 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.52 20.35	27.13
26 05 33 13-1464 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.06 25.43	33.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1465 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.72 31.79	42.38
26 05 33 13-1466 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1413)</small>		
26 05 33 13-1467 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.66 3.05	4.07
26 05 33 13-1468 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.49 3.56	4.75
26 05 33 13-1469 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34 4.07	5.43
26 05 33 13-1470 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.08 4.58	6.10
26 05 33 13-1471 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.19 5.09	6.78
26 05 33 13-1472 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.95 5.85	7.80
26 05 33 13-1473 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00 6.61	8.81
26 05 33 13-1474 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88 7.63	10.17
26 05 33 13-1475 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.60 8.90	11.87
26 05 33 13-1476 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.84 10.17	13.56
26 05 33 13-1477 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.98 11.45	15.26
26 05 33 13-1478 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.72 12.71	16.95
26 05 33 13-1479 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1413)</small>		
26 05 33 13-1480 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.27 3.91	
26 05 33 13-1481 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.00 4.69	
26 05 33 13-1482 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.80 5.21	
26 05 33 13-1483 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92 5.80	
26 05 33 13-1484 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1413)</small>		
26 05 33 13-1485 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.76 10.17	13.56
26 05 33 13-1486 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.17 11.45	15.26
26 05 33 13-1487 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.80 12.71	16.95
26 05 33 13-1488 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.18 15.26	20.35
26 05 33 13-1489 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.94 19.07	25.43
26 05 33 13-1490 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.34 22.89	30.51
26 05 33 13-1491 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.00 25.43	33.91
26 05 33 13-1492 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.17 27.98	37.29
26 05 33 13-1493 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.54 31.79	42.38
26 05 33 13-1494 EA 4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.86 36.88	49.17
26 05 33 13-1495 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1413)</small>		
26 05 33 13-1496 EA 1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.63 3.24 5.91 13.75	18.34
26 05 33 13-1497 EA 3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.13 3.70 6.69 15.13	20.17
26 05 33 13-1498 EA 1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.77 3.94 7.17 16.50	22.01
26 05 33 13-1499 EA 1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.86 5.38 9.46 19.25	25.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1500	EA	1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	88.13	31.17
			<i>For Schedule 60, Add</i>	6.45	
			<i>For Schedule 80, Add</i>	11.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.38	
26 05 33	13-1501	EA	2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	106.45	36.67
			<i>For Schedule 60, Add</i>	8.28	
			<i>For Schedule 80, Add</i>	14.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.50	
26 05 33	13-1502		Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1413)</small>		
26 05 33	13-1503	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	67.23	16.95
26 05 33	13-1504	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	76.29	20.35
26 05 33	13-1505	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	85.74	23.73
26 05 33	13-1506	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	94.80	27.13
26 05 33	13-1507	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	103.68	30.51
26 05 33	13-1508	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	113.62	33.91
26 05 33	13-1509	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	136.59	39.00
26 05 33	13-1510	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	161.04	44.08
26 05 33	13-1511	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	187.78	50.86
26 05 33	13-1512	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	222.18	59.34
26 05 33	13-1513	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	285.57	71.20
26 05 33	13-1514	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	373.58	91.55
26 05 33	13-1515		Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1413)</small>		
26 05 33	13-1516	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	9.75	3.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33	13-1517	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	11.57	4.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.05	
26 05 33	13-1518	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	13.37	4.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33	13-1519	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	15.72	5.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33	13-1520	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	18.10	6.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.58	
26 05 33	13-1521	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	20.87	6.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33	13-1522	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	28.05	7.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.85	
26 05 33	13-1523	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	30.97	8.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.61	
26 05 33	13-1524	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	38.23	9.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33	13-1525	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	44.88	10.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.88	
26 05 33	13-1526	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	51.27	11.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90	
26 05 33	13-1527	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	63.46	13.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.17	
26 05 33	13-1528		Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1413)</small>		
26 05 33	13-1529	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	94.56	30.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.89	
26 05 33	13-1530	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	88.66	20.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.26	
26 05 33	13-1531	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	200.69	33.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.43	
26 05 33	13-1532	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	375.30	49.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.88	
26 05 33	13-1533		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0041)</small>		
			Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33	13-1534		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1533)</small>		
26 05 33	13-1535	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	5.74	1.39
26 05 33	13-1536	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.37	1.52
26 05 33	13-1537	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.15	1.76
26 05 33	13-1538	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.94	2.03
26 05 33	13-1539	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.02	2.37
26 05 33	13-1540	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.94	2.71
26 05 33	13-1541	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.84	3.22
26 05 33	13-1542	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.86	3.73
26 05 33	13-1543	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	16.13	4.41
26 05 33	13-1544	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	19.24	5.43
26 05 33	13-1545	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	26.17	7.63
26 05 33	13-1546	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	34.30	10.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1547				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		
26 05 33 13-1548	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	58.87	6.78
				<i>For 24" Radius, Add</i>	3.99	
				<i>For 36" Radius, Add</i>	5.89	
				<i>For 48" Radius, Add</i>	7.78	
26 05 33 13-1549	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	65.58	7.46
				<i>For 24" Radius, Add</i>	4.45	
				<i>For 36" Radius, Add</i>	6.56	
				<i>For 48" Radius, Add</i>	8.66	
26 05 33 13-1550	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	68.60	8.47
				<i>For 24" Radius, Add</i>	4.62	
				<i>For 36" Radius, Add</i>	6.86	
				<i>For 48" Radius, Add</i>	9.10	
26 05 33 13-1551	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	75.00	10.85
				<i>For 24" Radius, Add</i>	4.95	
				<i>For 36" Radius, Add</i>	7.50	
				<i>For 48" Radius, Add</i>	10.05	
26 05 33 13-1552	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	82.26	13.56
				<i>For 24" Radius, Add</i>	5.32	
				<i>For 36" Radius, Add</i>	8.23	
				<i>For 48" Radius, Add</i>	11.13	
26 05 33 13-1553	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	97.40	16.95
				<i>For 24" Radius, Add</i>	6.25	
				<i>For 36" Radius, Add</i>	9.74	
				<i>For 48" Radius, Add</i>	13.23	
26 05 33 13-1554	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	116.71	20.35
				<i>For 24" Radius, Add</i>	7.48	
				<i>For 36" Radius, Add</i>	11.67	
				<i>For 48" Radius, Add</i>	15.86	
26 05 33 13-1555	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	138.36	23.73
				<i>For 24" Radius, Add</i>	8.89	
				<i>For 36" Radius, Add</i>	13.84	
				<i>For 48" Radius, Add</i>	18.78	
26 05 33 13-1556	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	160.96	28.82
				<i>For 24" Radius, Add</i>	10.27	
				<i>For 36" Radius, Add</i>	16.10	
				<i>For 48" Radius, Add</i>	21.92	
26 05 33 13-1557	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	183.54	33.91
				<i>For 24" Radius, Add</i>	11.65	
				<i>For 36" Radius, Add</i>	18.35	
				<i>For 48" Radius, Add</i>	25.06	
26 05 33 13-1558	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	229.44	42.38
				<i>For 24" Radius, Add</i>	14.56	
				<i>For 36" Radius, Add</i>	22.94	
				<i>For 48" Radius, Add</i>	31.33	
26 05 33 13-1559	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	281.50	50.86
				<i>For 24" Radius, Add</i>	17.93	
				<i>For 36" Radius, Add</i>	28.15	
				<i>For 48" Radius, Add</i>	38.37	
26 05 33 13-1560				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		
26 05 33 13-1561	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	51.33	6.78
				<i>For 24" Radius, Add</i>	3.43	
				<i>For 36" Radius, Add</i>	5.13	
				<i>For 48" Radius, Add</i>	6.84	
26 05 33 13-1562	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	57.14	7.46
				<i>For 24" Radius, Add</i>	3.82	
				<i>For 36" Radius, Add</i>	5.71	
				<i>For 48" Radius, Add</i>	7.61	
26 05 33 13-1563	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	60.07	8.47
				<i>For 24" Radius, Add</i>	3.98	
				<i>For 36" Radius, Add</i>	6.01	
				<i>For 48" Radius, Add</i>	8.04	
26 05 33 13-1564	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	66.39	10.85
				<i>For 24" Radius, Add</i>	4.30	
				<i>For 36" Radius, Add</i>	6.64	
				<i>For 48" Radius, Add</i>	8.98	
26 05 33 13-1565	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	73.56	13.56
				<i>For 24" Radius, Add</i>	4.67	
				<i>For 36" Radius, Add</i>	7.36	
				<i>For 48" Radius, Add</i>	10.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1566	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	87.49	16.95
			<i>For 24" Radius, Add</i>	5.50	
			<i>For 36" Radius, Add</i>	8.75	
			<i>For 48" Radius, Add</i>	12.00	
26 05 33 13-1567	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	104.86	20.35
			<i>For 24" Radius, Add</i>	6.59	
			<i>For 36" Radius, Add</i>	10.49	
			<i>For 48" Radius, Add</i>	14.38	
26 05 33 13-1568	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	124.14	23.73
			<i>For 24" Radius, Add</i>	7.83	
			<i>For 36" Radius, Add</i>	12.41	
			<i>For 48" Radius, Add</i>	17.00	
26 05 33 13-1569	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	144.96	28.82
			<i>For 24" Radius, Add</i>	9.07	
			<i>For 36" Radius, Add</i>	14.50	
			<i>For 48" Radius, Add</i>	19.92	
26 05 33 13-1570	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	165.77	33.91
			<i>For 24" Radius, Add</i>	10.31	
			<i>For 36" Radius, Add</i>	16.58	
			<i>For 48" Radius, Add</i>	22.84	
26 05 33 13-1571	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	207.21	42.38
			<i>For 24" Radius, Add</i>	12.89	
			<i>For 36" Radius, Add</i>	20.72	
			<i>For 48" Radius, Add</i>	28.55	
26 05 33 13-1572	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	253.71	50.86
			<i>For 24" Radius, Add</i>	15.85	
			<i>For 36" Radius, Add</i>	25.37	
			<i>For 48" Radius, Add</i>	34.89	
26 05 33 13-1573 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>					
26 05 33 13-1574	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	47.54	6.10
			<i>For 24" Radius, Add</i>	3.18	
			<i>For 36" Radius, Add</i>	4.75	
			<i>For 48" Radius, Add</i>	6.32	
26 05 33 13-1575	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	52.92	6.71
			<i>For 24" Radius, Add</i>	3.55	
			<i>For 36" Radius, Add</i>	5.29	
			<i>For 48" Radius, Add</i>	7.03	
26 05 33 13-1576	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	55.59	7.63
			<i>For 24" Radius, Add</i>	3.69	
			<i>For 36" Radius, Add</i>	5.56	
			<i>For 48" Radius, Add</i>	7.43	
26 05 33 13-1577	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	61.28	9.76
			<i>For 24" Radius, Add</i>	3.99	
			<i>For 36" Radius, Add</i>	6.13	
			<i>For 48" Radius, Add</i>	8.27	
26 05 33 13-1578	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	67.74	12.21
			<i>For 24" Radius, Add</i>	4.32	
			<i>For 36" Radius, Add</i>	6.77	
			<i>For 48" Radius, Add</i>	9.23	
26 05 33 13-1579	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	80.51	15.26
			<i>For 24" Radius, Add</i>	5.08	
			<i>For 36" Radius, Add</i>	8.05	
			<i>For 48" Radius, Add</i>	11.02	
26 05 33 13-1580	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.48	18.31
			<i>For 24" Radius, Add</i>	6.09	
			<i>For 36" Radius, Add</i>	9.65	
			<i>For 48" Radius, Add</i>	13.20	
26 05 33 13-1581	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	114.26	21.36
			<i>For 24" Radius, Add</i>	7.23	
			<i>For 36" Radius, Add</i>	11.43	
			<i>For 48" Radius, Add</i>	15.62	
26 05 33 13-1582	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	133.30	25.94
			<i>For 24" Radius, Add</i>	8.38	
			<i>For 36" Radius, Add</i>	13.33	
			<i>For 48" Radius, Add</i>	18.28	
26 05 33 13-1583	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	152.35	30.51
			<i>For 24" Radius, Add</i>	9.52	
			<i>For 36" Radius, Add</i>	15.24	
			<i>For 48" Radius, Add</i>	20.95	
26 05 33 13-1584	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	190.44	38.15
			<i>For 24" Radius, Add</i>	11.90	
			<i>For 36" Radius, Add</i>	19.04	
			<i>For 48" Radius, Add</i>	26.19	
26 05 33 13-1585	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	233.28	45.78
			<i>For 24" Radius, Add</i>	14.64	
			<i>For 36" Radius, Add</i>	23.33	
			<i>For 48" Radius, Add</i>	32.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1586				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		
26 05 33 13-1587	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	45.44	6.10
				For 24" Radius, Add.....	3.03	
				For 36" Radius, Add.....	4.54	
				For 48" Radius, Add.....	6.06	
26 05 33 13-1588	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	50.57	6.71
				For 24" Radius, Add.....	3.37	
				For 36" Radius, Add.....	5.06	
				For 48" Radius, Add.....	6.74	
26 05 33 13-1589	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	53.22	7.63
				For 24" Radius, Add.....	3.51	
				For 36" Radius, Add.....	5.32	
				For 48" Radius, Add.....	7.13	
26 05 33 13-1590	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	58.89	9.76
				For 24" Radius, Add.....	3.81	
				For 36" Radius, Add.....	5.89	
				For 48" Radius, Add.....	7.97	
26 05 33 13-1591	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	65.32	12.21
				For 24" Radius, Add.....	4.14	
				For 36" Radius, Add.....	6.53	
				For 48" Radius, Add.....	8.93	
26 05 33 13-1592	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	77.76	15.26
				For 24" Radius, Add.....	4.88	
				For 36" Radius, Add.....	7.78	
				For 48" Radius, Add.....	10.67	
26 05 33 13-1593	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	93.19	18.31
				For 24" Radius, Add.....	5.84	
				For 36" Radius, Add.....	9.32	
				For 48" Radius, Add.....	12.79	
26 05 33 13-1594	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	110.30	21.36
				For 24" Radius, Add.....	6.94	
				For 36" Radius, Add.....	11.03	
				For 48" Radius, Add.....	15.12	
26 05 33 13-1595	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	128.86	25.94
				For 24" Radius, Add.....	8.04	
				For 36" Radius, Add.....	12.89	
				For 48" Radius, Add.....	17.73	
26 05 33 13-1596	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	147.41	30.51
				For 24" Radius, Add.....	9.15	
				For 36" Radius, Add.....	14.74	
				For 48" Radius, Add.....	20.33	
26 05 33 13-1597	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	184.27	38.15
				For 24" Radius, Add.....	11.44	
				For 36" Radius, Add.....	18.43	
				For 48" Radius, Add.....	25.42	
26 05 33 13-1598	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	225.56	45.78
				For 24" Radius, Add.....	14.06	
				For 36" Radius, Add.....	22.56	
				For 48" Radius, Add.....	31.06	
26 05 33 13-1599				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1533)</small>		
26 05 33 13-1600	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	29.23	4.75
26 05 33 13-1601	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	32.90	5.43
26 05 33 13-1602	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	34.80	6.10
26 05 33 13-1603	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	36.65	6.78
26 05 33 13-1604	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	41.29	8.47
26 05 33 13-1605	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	49.37	10.17
26 05 33 13-1606	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	62.72	13.56
26 05 33 13-1607	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	76.95	16.95
26 05 33 13-1608	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	93.99	22.04
26 05 33 13-1609	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	111.03	27.13
26 05 33 13-1610	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	138.78	33.91
26 05 33 13-1611	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	173.47	42.38
26 05 33 13-1612				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1533)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1613 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	21.66	4.75
26 05 33 13-1614 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.44	5.43
26 05 33 13-1615 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	26.26	6.10
26 05 33 13-1616 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	28.06	6.78
26 05 33 13-1617 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.42	8.47
26 05 33 13-1618 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.72	10.17
26 05 33 13-1619 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.46	13.56
26 05 33 13-1620 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	58.65	16.95
26 05 33 13-1621 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	73.40	22.04
26 05 33 13-1622 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	88.15	27.13
26 05 33 13-1623 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	110.20	33.91
26 05 33 13-1624 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	137.74	42.38
26 05 33 13-1625 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1533)</small>		
26 05 33 13-1626 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	24.04	3.90
26 05 33 13-1627 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	27.09	5.43
26 05 33 13-1628 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	28.94	6.10
26 05 33 13-1629 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.71	6.78
26 05 33 13-1630 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	35.27	8.47
26 05 33 13-1631 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	42.19	10.17
26 05 33 13-1632 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	54.01	13.56
26 05 33 13-1633 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	66.50	16.95
26 05 33 13-1634 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	82.23	22.04
26 05 33 13-1635 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	97.96	27.13
26 05 33 13-1636 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	122.44	33.91
26 05 33 13-1637 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	153.07	42.38
26 05 33 13-1638 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1533)</small>		
26 05 33 13-1639 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	55.80	16.95
26 05 33 13-1640 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	65.74	20.35
26 05 33 13-1641 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	74.39	23.73
26 05 33 13-1642 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	82.97	27.13
26 05 33 13-1643 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.78	30.51
26 05 33 13-1644 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	103.21	33.91
26 05 33 13-1645 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	119.61	39.00
26 05 33 13-1646 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	136.75	44.08
26 05 33 13-1647 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	157.03	50.86
26 05 33 13-1648 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	181.54	59.34
26 05 33 13-1649 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	211.04	67.82
26 05 33 13-1650 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	242.60	76.29
26 05 33 13-1651 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1533)</small>		
26 05 33 13-1652 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	61.24	16.95
26 05 33 13-1653 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	71.85	20.35
26 05 33 13-1654 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	80.53	23.73
26 05 33 13-1655 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	89.17	27.13
26 05 33 13-1656 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	98.04	30.51
26 05 33 13-1657 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	110.35	33.91
26 05 33 13-1658 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	128.18	39.00
26 05 33 13-1659 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	147.04	44.08
26 05 33 13-1660 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	168.61	50.86
26 05 33 13-1661 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	194.41	59.34
26 05 33 13-1662 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	227.17	67.82
26 05 33 13-1663 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	262.76	76.29
26 05 33 13-1664 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1533)</small>		
26 05 33 13-1665 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	56.73	4.75
26 05 33 13-1666 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	63.39	5.43
26 05 33 13-1667 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	66.62	6.10
26 05 33 13-1668 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	69.91	6.78
26 05 33 13-1669 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	74.97	8.47
26 05 33 13-1670 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	84.33	10.17
26 05 33 13-1671 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	104.60	13.56
26 05 33 13-1672 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	127.16	16.95
26 05 33 13-1673 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	150.48	22.04
26 05 33 13-1674 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	173.81	27.13
26 05 33 13-1675 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	217.29	33.91
26 05 33 13-1676 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	270.59	42.38
26 05 33 13-1677 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1533)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1678 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	70.72	16.95
26 05 33 13-1679 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	82.35	20.35
26 05 33 13-1680 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	98.24	23.73
26 05 33 13-1681 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	120.27	27.13
26 05 33 13-1682 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	148.19	30.51
26 05 33 13-1683 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	191.34	33.91
26 05 33 13-1684 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	265.17	39.00
26 05 33 13-1685 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	318.13	44.08
26 05 33 13-1686 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	382.88	50.86
26 05 33 13-1687 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	451.87	59.34
26 05 33 13-1688 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	530.08	67.82
26 05 33 13-1689 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	802.80	76.29
26 05 33 13-1690 Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover <small>(26 05 33 13-1533)</small>		
26 05 33 13-1691 EA 1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	59.00	13.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.17	
26 05 33 13-1692 EA 3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	68.07	15.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.45	
26 05 33 13-1693 EA 1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	87.99	16.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.71	
26 05 33 13-1694 EA 1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	107.20	20.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.26	
26 05 33 13-1695 EA 1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	136.02	25.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.07	
26 05 33 13-1696 EA 2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	183.61	30.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.89	
26 05 33 13-1697 EA 2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	290.24	35.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.70	
26 05 33 13-1698 EA 3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	370.03	40.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.52	
26 05 33 13-1699 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	443.99	47.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.60	
26 05 33 13-1700 EA 4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	517.97	54.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.69	
26 05 33 13-1701 EA 5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	608.70	61.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.78	
26 05 33 13-1702 EA 6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	689.38	67.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.87	
26 05 33 13-1703 Explosion Proof Conduit Fittings <small>(26 05 33 13-0041)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1704 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1703)</small>		
26 05 33 13-1705 EA 1/2" Explosion Proof Malleable Iron Conduit Union	38.53	7.63
26 05 33 13-1706 EA 3/4" Explosion Proof Malleable Iron Conduit Union	47.77	8.44
26 05 33 13-1707 EA 1" Explosion Proof Malleable Iron Conduit Union	76.45	11.25
26 05 33 13-1708 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	103.92	12.45
26 05 33 13-1709 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	131.52	15.26
26 05 33 13-1710 EA 2" Explosion Proof Malleable Iron Conduit Union	164.18	17.68
26 05 33 13-1711 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	232.51	25.27
26 05 33 13-1712 EA 3" Explosion Proof Malleable Iron Conduit Union	324.13	30.09
26 05 33 13-1713 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	501.51	36.10
26 05 33 13-1714 EA 4" Explosion Proof Malleable Iron Conduit Union	551.74	46.13
26 05 33 13-1715 Explosion Proof Malleable Iron Hub Bodies <small>(26 05 33 13-1703)</small>		
26 05 33 13-1716 EA 1/2" Explosion Proof Malleable Iron Two Hub Body.....	81.12	24.10
26 05 33 13-1717 EA 3/4" Explosion Proof Malleable Iron Two Hub Body.....	97.12	27.32
26 05 33 13-1718 EA 1" Explosion Proof Malleable Iron Two Hub Body	107.35	30.13
26 05 33 13-1719 EA 1/2" Explosion Proof Malleable Iron Three Hub Body.....	105.84	30.13
26 05 33 13-1720 EA 3/4" Explosion Proof Malleable Iron Three Hub Body.....	126.31	36.15
26 05 33 13-1721 EA 1" Explosion Proof Malleable Iron Three Hub Body.....	142.33	41.37
26 05 33 13-1722 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1703)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1723 EA 1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	79.36	20.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06	
26 05 33 13-1724 EA 3/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	90.42	22.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.87	
26 05 33 13-1725 EA 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	105.42	24.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.38	
26 05 33 13-1726 EA 1-1/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	128.63	30.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-1727 EA 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	169.18	35.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.51	
26 05 33 13-1728 EA 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	205.41	40.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.13	
26 05 33 13-1729 EA 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	311.84	60.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13	
26 05 33 13-1730 EA 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	387.43	75.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.56	
26 05 33 13-1731 EA 3-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	788.81	83.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.27	
26 05 33 13-1732 EA 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	1,056.52	90.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.69	
26 05 33 13-1733 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1703)</small>		
26 05 33 13-1734 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	370.79	9.24
26 05 33 13-1735 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	517.92	10.44
26 05 33 13-1736 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small>		
Note: By direct burial in trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1737 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1736)</small>		
26 05 33 13-1738 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-1737)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1739 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	2.91	
<i>For Schedule 60, Add</i>	0.18	
<i>For Schedule 80, Add</i>	0.33	
26 05 33 13-1740 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.18	
<i>For Schedule 60, Add</i>	0.20	
<i>For Schedule 80, Add</i>	0.37	
26 05 33 13-1741 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.49	
<i>For Schedule 60, Add</i>	0.24	
<i>For Schedule 80, Add</i>	0.43	
26 05 33 13-1742 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.82	
<i>For Schedule 60, Add</i>	0.28	
<i>For Schedule 80, Add</i>	0.49	
26 05 33 13-1743 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.13	
<i>For Schedule 60, Add</i>	0.31	
<i>For Schedule 80, Add</i>	0.54	
26 05 33 13-1744 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.50	
<i>For Schedule 60, Add</i>	0.36	
<i>For Schedule 80, Add</i>	0.62	
26 05 33 13-1745 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.12	
<i>For Schedule 60, Add</i>	0.47	
<i>For Schedule 80, Add</i>	0.78	
26 05 33 13-1746 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.54	
<i>For Schedule 60, Add</i>	0.54	
<i>For Schedule 80, Add</i>	0.88	
26 05 33 13-1747 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.11	
<i>For Schedule 60, Add</i>	0.64	
<i>For Schedule 80, Add</i>	1.03	
26 05 33 13-1748 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.49	
<i>For Schedule 60, Add</i>	0.69	
<i>For Schedule 80, Add</i>	1.10	
26 05 33 13-1749 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.52	
<i>For Schedule 60, Add</i>	0.90	
<i>For Schedule 80, Add</i>	1.41	
26 05 33 13-1750 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	8.58	
<i>For Schedule 60, Add</i>	1.13	
<i>For Schedule 80, Add</i>	1.73	
26 05 33 13-1751 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1737)</small>		
See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1752 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	21.81	
<i>For Schedule 60, Add</i>	1.21	
<i>For Schedule 80, Add</i>	2.34	
26 05 33 13-1753 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.13	
<i>For Schedule 60, Add</i>	1.45	
<i>For Schedule 80, Add</i>	2.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1754 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.80	
<i>For Schedule 60, Add</i>	1.77	
<i>For Schedule 80, Add</i>	3.36	
26 05 33 13-1755 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	35.55	
<i>For Schedule 60, Add</i>	2.11	
<i>For Schedule 80, Add</i>	3.97	
26 05 33 13-1756 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	40.37	
<i>For Schedule 60, Add</i>	2.46	
<i>For Schedule 80, Add</i>	4.59	
26 05 33 13-1757 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.34	
<i>For Schedule 60, Add</i>	2.86	
<i>For Schedule 80, Add</i>	5.27	
26 05 33 13-1758 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	52.18	
<i>For Schedule 60, Add</i>	3.72	
<i>For Schedule 80, Add</i>	6.61	
26 05 33 13-1759 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	60.19	
<i>For Schedule 60, Add</i>	4.88	
<i>For Schedule 80, Add</i>	8.35	
26 05 33 13-1760 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	72.46	
<i>For Schedule 60, Add</i>	6.25	
<i>For Schedule 80, Add</i>	10.53	
26 05 33 13-1761 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	84.73	
<i>For Schedule 60, Add</i>	7.62	
<i>For Schedule 80, Add</i>	12.70	
26 05 33 13-1762 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	105.51	
<i>For Schedule 60, Add</i>	11.12	
<i>For Schedule 80, Add</i>	17.86	
26 05 33 13-1763 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	122.07	
<i>For Schedule 60, Add</i>	13.56	
<i>For Schedule 80, Add</i>	21.53	
26 05 33 13-1764 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial		
<small>(26 05 33 13-1737)</small>		
See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1765 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	21.68	
<i>For Schedule 60, Add</i>	1.18	
<i>For Schedule 80, Add</i>	2.29	
26 05 33 13-1766 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	26.09	
<i>For Schedule 60, Add</i>	1.44	
<i>For Schedule 80, Add</i>	2.77	
26 05 33 13-1767 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	30.73	
<i>For Schedule 60, Add</i>	1.75	
<i>For Schedule 80, Add</i>	3.34	
26 05 33 13-1768 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.35	
<i>For Schedule 60, Add</i>	2.06	
<i>For Schedule 80, Add</i>	3.90	
26 05 33 13-1769 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	39.93	
<i>For Schedule 60, Add</i>	2.35	
<i>For Schedule 80, Add</i>	4.44	
26 05 33 13-1770 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	45.10	
<i>For Schedule 60, Add</i>	2.80	
<i>For Schedule 80, Add</i>	5.19	
26 05 33 13-1771 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	51.73	
<i>For Schedule 60, Add</i>	3.61	
<i>For Schedule 80, Add</i>	6.45	
26 05 33 13-1772 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.63	
<i>For Schedule 60, Add</i>	4.74	
<i>For Schedule 80, Add</i>	8.16	
26 05 33 13-1773 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	70.89	
<i>For Schedule 60, Add</i>	5.85	
<i>For Schedule 80, Add</i>	9.98	
26 05 33 13-1774 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	83.37	
<i>For Schedule 60, Add</i>	7.28	
<i>For Schedule 80, Add</i>	12.22	
26 05 33 13-1775 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	103.75	
<i>For Schedule 60, Add</i>	10.68	
<i>For Schedule 80, Add</i>	17.24	
26 05 33 13-1776 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	116.85	
<i>For Schedule 60, Add</i>	12.26	
<i>For Schedule 80, Add</i>	19.71	
26 05 33 13-1777 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial		
<small>(26 05 33 13-1737)</small>		
26 05 33 13-1778 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-1779 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	13.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-1780 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	15.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.58	
26 05 33 13-1781 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	17.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1782 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	19.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.60	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1783	EA		2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.35 6.11	
26 05 33 13-1784	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.91 6.86	
26 05 33 13-1785	EA		3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.25 7.63	
26 05 33 13-1786	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.28 8.90	
26 05 33 13-1787	EA		4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.61 10.17	
26 05 33 13-1788	EA		5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.44 11.45	
26 05 33 13-1789	EA		6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.13 12.71	
26 05 33 13-1790			Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1737)</small>		
26 05 33 13-1791	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.77	
26 05 33 13-1792	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.89	
26 05 33 13-1793	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	25.80	
26 05 33 13-1794	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.84	
26 05 33 13-1795	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	31.88	
26 05 33 13-1796	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	37.60	
26 05 33 13-1797	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	41.84	
26 05 33 13-1798	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	49.98	
26 05 33 13-1799	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	55.72	
26 05 33 13-1800			Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1737)</small>		
26 05 33 13-1801	EA		1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	12.10	
26 05 33 13-1802	EA		3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	13.93	
26 05 33 13-1803	EA		1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	15.70	
26 05 33 13-1804	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	17.53	
26 05 33 13-1805	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	19.28	
26 05 33 13-1806	EA		2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	21.21	
26 05 33 13-1807	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	24.61	
26 05 33 13-1808	EA		3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	27.83	
26 05 33 13-1809	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	32.75	
26 05 33 13-1810	EA		4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	37.06	
26 05 33 13-1811	EA		5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	44.36	
26 05 33 13-1812	EA		6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	49.84	
26 05 33 13-1813			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1736)</small>		
			Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1814			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1813)</small>		
			Note: Includes field bending for conduit up to 1".		
26 05 33 13-1815	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.32	1.92
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000, Deduct</i>	-0.81	
26 05 33 13-1816	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	10.46	2.39
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000, Deduct</i>	-0.91	
26 05 33 13-1817	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.83	2.66
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.12	
26 05 33 13-1818	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	15.48	3.58
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.36	
26 05 33 13-1819	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	18.15	4.04
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.61	
26 05 33 13-1820	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	22.98	4.40
			<i>For >250 To 500, Deduct</i>	-0.90	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.05	
26 05 33 13-1821	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	33.31	6.60
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.15	
			<i>For >1,000, Deduct</i>	-2.99	
26 05 33 13-1822	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	43.00	8.25
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500 To 1,000, Deduct</i>	-2.77	
			<i>For >1,000, Deduct</i>	-3.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1823 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	53.09 -2.08 -3.41 -4.74	8.71
26 05 33 13-1824 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	63.06 -2.47 -4.04 -5.62	9.63
26 05 33 13-1825 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	97.85 -4.02 -6.47 -8.91	13.30
26 05 33 13-1826 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	130.37 -5.42 -8.68 -11.94	17.42
 26 05 33 13-1827 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1828 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.02	2.75
26 05 33 13-1829 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.08	3.67
26 05 33 13-1830 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.32	4.58
26 05 33 13-1831 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.25	5.04
26 05 33 13-1832 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.45	5.96
26 05 33 13-1833 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	26.23	6.87
26 05 33 13-1834 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	47.39	8.25
26 05 33 13-1835 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	60.42	11.46
26 05 33 13-1836 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	74.70	13.30
26 05 33 13-1837 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	92.93	18.34
26 05 33 13-1838 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	233.74	25.21
26 05 33 13-1839 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	233.19	14.21
 26 05 33 13-1840 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small> <small>Note: 90, 45, or 30 degree.</small>		
26 05 33 13-1841 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	38.76	11.46
26 05 33 13-1842 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	44.87	14.21
26 05 33 13-1843 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	53.69	17.42
26 05 33 13-1844 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	63.52	20.17
26 05 33 13-1845 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	74.32	22.92
26 05 33 13-1846 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	90.18	25.21
26 05 33 13-1847 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	138.15	31.63
26 05 33 13-1848 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	205.86	43.09
26 05 33 13-1849 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	254.22	48.59
26 05 33 13-1850 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	292.52	63.25
26 05 33 13-1851 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	606.32	103.14
26 05 33 13-1852 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	952.89	154.94
 26 05 33 13-1853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1854 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	91.03	17.42
26 05 33 13-1855 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	102.50	20.17
26 05 33 13-1856 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	117.00	22.92
26 05 33 13-1857 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	139.43	25.21
26 05 33 13-1858 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	193.89	31.63
 26 05 33 13-1859 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1860 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	101.13	17.42

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1861	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	119.19	20.17
26 05 33 13-1862	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	128.97	22.92
26 05 33 13-1863	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	165.52	25.21
26 05 33 13-1864	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	219.04	31.63
26 05 33 13-1865	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	280.46	43.09
26 05 33 13-1866		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1867	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	113.20	17.42
26 05 33 13-1868	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	127.88	20.17
26 05 33 13-1869	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	144.32	22.92
26 05 33 13-1870	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	174.17	25.21
26 05 33 13-1871	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	247.95	31.63
26 05 33 13-1872	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	314.40	43.09
26 05 33 13-1873	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	396.34	48.59
26 05 33 13-1874	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	447.36	63.25
26 05 33 13-1875		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1876	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	134.06	17.42
26 05 33 13-1877	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	148.28	20.17
26 05 33 13-1878	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	167.48	22.92
26 05 33 13-1879	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	207.52	25.21
26 05 33 13-1880	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	299.68	31.63
26 05 33 13-1881	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	371.90	43.09
26 05 33 13-1882	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	431.45	48.59
26 05 33 13-1883	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	511.81	63.25
26 05 33 13-1884		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1885	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	150.28	17.42
26 05 33 13-1886	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	167.26	20.17
26 05 33 13-1887	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	190.27	22.92
26 05 33 13-1888	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	236.55	25.21
26 05 33 13-1889	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	327.91	31.63
26 05 33 13-1890	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	417.89	43.09
26 05 33 13-1891	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	516.81	48.59
26 05 33 13-1892	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	570.98	63.25
26 05 33 13-1893	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	951.71	103.14
26 05 33 13-1894		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	171.51	17.42
26 05 33 13-1896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	190.21	20.17
26 05 33 13-1897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	215.26	22.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1898 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	268.75	25.21
26 05 33 13-1899 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	374.95	31.63
26 05 33 13-1900 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	476.48	43.09
26 05 33 13-1901 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	559.58	48.59
26 05 33 13-1902 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	647.35	63.25
26 05 33 13-1903 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,005.24	103.14
26 05 33 13-1904 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,375.85	154.94
26 05 33 13-1905 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1906 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	201.05	17.42
26 05 33 13-1907 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	210.66	20.17
26 05 33 13-1908 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	248.70	22.92
26 05 33 13-1909 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	313.57	25.21
26 05 33 13-1910 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	438.37	31.63
26 05 33 13-1911 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	555.48	43.09
26 05 33 13-1912 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	678.49	48.59
26 05 33 13-1913 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	795.94	63.25
26 05 33 13-1914 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,179.84	103.14
26 05 33 13-1915 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,456.00	154.94
26 05 33 13-1916 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1917 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	208.17	17.42
26 05 33 13-1918 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	245.25	20.17
26 05 33 13-1919 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	277.63	22.92
26 05 33 13-1920 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	327.06	25.21
26 05 33 13-1921 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	454.21	31.63
26 05 33 13-1922 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	579.77	43.09
26 05 33 13-1923 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	743.25	48.59
26 05 33 13-1924 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	829.64	63.25
26 05 33 13-1925 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,226.74	103.14
26 05 33 13-1926 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,496.72	154.94
26 05 33 13-1927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1928 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	70.14	11.46
26 05 33 13-1929 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	76.50	14.21
26 05 33 13-1930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	99.28	17.42
26 05 33 13-1931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	144.07	20.17
26 05 33 13-1932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	170.95	22.92
26 05 33 13-1933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	217.16	25.21
26 05 33 13-1934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	288.98	31.63
26 05 33 13-1935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	374.45	31.63

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	483.20	48.59
26 05 33 13-1937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	622.18	63.25
26 05 33 13-1938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,132.73	103.14
26 05 33 13-1939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,413.26	154.94
26 05 33 13-1940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	71.73	11.46
26 05 33 13-1942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	82.57	14.21
26 05 33 13-1943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	102.52	17.42
26 05 33 13-1944 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	150.01	20.17
26 05 33 13-1945 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	179.20	22.92
26 05 33 13-1946 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	234.98	25.21
26 05 33 13-1947 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	327.11	31.63
26 05 33 13-1948 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	413.22	31.63
26 05 33 13-1949 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	553.29	48.59
26 05 33 13-1950 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	692.01	63.25
26 05 33 13-1951 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,260.73	103.14
26 05 33 13-1952 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,619.95	154.94
26 05 33 13-1953 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1954 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.39	5.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-1955 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.40	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1956 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.82	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-1957 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.88	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1958 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.21	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1959 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.03	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-1960 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.23	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1961 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.67	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-1962 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.84	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1963 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.32	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1964 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.98	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-1965 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.16	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-1966 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.35	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1967 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.90	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1968 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.08	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1969 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.57	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1970 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.63	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-1971 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.90	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-1972 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.09	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1973 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.77	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-1974 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.14	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1975 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.74	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1976 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.68	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-1977 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.29	15.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-1978 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.73	21.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-1979 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.02	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-1980 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.33	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1981 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.03	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-1982 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.20	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1983 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.92	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1984 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.73	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-1985 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.11	15.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-1986 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.63	21.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-1987 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.62	24.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-1988 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	130.70	31.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-1989 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.26	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-1990 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.59	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-1991 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.30	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-1992 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.70	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-1993 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.43	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1994 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.85	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-1995 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	78.31	15.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1996 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.46	21.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-1997 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.87	24.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-1998 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.03	31.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-1999 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	197.17	43.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-2000 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.72	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-2001 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.04	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-2002 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.79	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-2003 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.61	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-2004 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.53	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-2005 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.96	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2006 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.63	15.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-2007 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.22	21.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-2008 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.85	24.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-2009 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.81	31.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-2010 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	214.79	43.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-2011 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.43	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-2012 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.74	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33 13-2013 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.89	8.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-2014 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.85	10.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.05	
26 05 33 13-2015 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.76	11.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-2016 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.41	12.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33 13-2017 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.63	15.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 05 33 13-2018 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	117.83	21.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.92	
26 05 33 13-2019 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	137.34	24.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57	
26 05 33 13-2020 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	163.50	31.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-2021 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	226.87	43.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.12	
26 05 33 13-2022 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.18	5.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58	
26 05 33 13-2023 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.47	6.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2024 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.97	8.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
26 05 33 13-2025 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.14	10.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-2026 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.06	11.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-2027 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	67.43	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2028 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	104.15	15.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.35	
26 05 33 13-2029 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	131.42	21.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-2030 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	155.71	24.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.57	
26 05 33 13-2031 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	194.46	31.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-2032 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	250.96	43.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.12	
26 05 33 13-2033 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.95	5.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.58	
26 05 33 13-2034 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.33	6.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-2035 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.71	8.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	
26 05 33 13-2036 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.56	10.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-2037 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.48	11.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-2038 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	73.86	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2039 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	116.84	15.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.35	
26 05 33 13-2040 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	151.80	21.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 05 33 13-2041 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	166.98	24.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.57	
26 05 33 13-2042 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	203.95	31.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.98	
26 05 33 13-2043 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	254.40	43.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.12	
26 05 33 13-2044 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1736)</small> Note: Direct burial or encased application.		
26 05 33 13-2045 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2044)</small>		
26 05 33 13-2046 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	5.01	1.10
For Work In Restricted Working Space, Add	0.83	
26 05 33 13-2047 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	5.51	1.19
For Work In Restricted Working Space, Add	0.89	
26 05 33 13-2048 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	5.87	1.27
For Work In Restricted Working Space, Add	0.95	
26 05 33 13-2049 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	6.24	1.35
For Work In Restricted Working Space, Add	1.02	
26 05 33 13-2050 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	6.69	1.44
For Work In Restricted Working Space, Add	1.08	
26 05 33 13-2051 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	6.98	1.52
For Work In Restricted Working Space, Add	1.15	
26 05 33 13-2052 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	7.82	1.61
For Work In Restricted Working Space, Add	1.21	
26 05 33 13-2053 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	8.78	1.69
For Work In Restricted Working Space, Add	1.27	
26 05 33 13-2054 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.56	1.78
For Work In Restricted Working Space, Add	1.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2055	LF	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	10.35 1.40	1.86
26 05 33 13-2056	LF	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	11.97 1.46	1.95
26 05 33 13-2057	LF	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	13.96 1.53	2.03
26 05 33 13-2058 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2044)</small>					
26 05 33 13-2059	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	63.11 6.36 4.20 6.31 8.42	8.47
26 05 33 13-2060	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	72.36 7.63 4.79 7.24 9.68	10.17
26 05 33 13-2061	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.08 8.90 5.04 7.71 10.38	11.87
26 05 33 13-2062	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	81.78 10.17 5.29 8.18 11.07	13.56
26 05 33 13-2063	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	86.50 11.45 5.53 8.65 11.77	15.26
26 05 33 13-2064	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	97.40 12.71 6.25 9.74 13.23	16.95
26 05 33 13-2065	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	112.48 13.99 7.27 11.25 15.23	18.65
26 05 33 13-2066	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	129.88 15.26 8.47 12.99 17.51	20.35
26 05 33 13-2067	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	148.24 17.80 9.63 14.82 20.01	23.73
26 05 33 13-2068	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	166.59 20.35 10.80 16.66 22.52	30.51
26 05 33 13-2069	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	199.76 22.89 13.07 19.98 26.88	30.51
26 05 33 13-2070	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	239.11 25.43 15.81 23.91 32.01	33.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2071				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2044)</small>		
26 05 33 13-2072	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	29.23	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-2073	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	32.90	5.43
				<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-2074	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	34.80	6.10
				<i>For Work In Restricted Working Space, Add</i>	4.58	
26 05 33 13-2075	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	36.65	6.78
				<i>For Work In Restricted Working Space, Add</i>	5.09	
26 05 33 13-2076	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	38.75	7.46
				<i>For Work In Restricted Working Space, Add</i>	5.60	
26 05 33 13-2077	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	44.29	8.14
				<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-2078	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.69	9.15
				<i>For Work In Restricted Working Space, Add</i>	6.86	
26 05 33 13-2079	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	60.00	10.17
				<i>For Work In Restricted Working Space, Add</i>	7.63	
26 05 33 13-2080	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	68.56	11.87
				<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2081	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	77.12	13.56
				<i>For Work In Restricted Working Space, Add</i>	10.17	
26 05 33 13-2082	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	92.16	15.26
				<i>For Work In Restricted Working Space, Add</i>	11.45	
26 05 33 13-2083	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	109.88	16.95
				<i>For Work In Restricted Working Space, Add</i>	12.71	
26 05 33 13-2084				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2044)</small>		
26 05 33 13-2085	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	21.66	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-2086	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.44	5.43
				<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-2087	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	26.26	6.10
				<i>For Work In Restricted Working Space, Add</i>	4.58	
26 05 33 13-2088	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	28.06	6.78
				<i>For Work In Restricted Working Space, Add</i>	5.09	
26 05 33 13-2089	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	29.88	7.46
				<i>For Work In Restricted Working Space, Add</i>	5.60	
26 05 33 13-2090	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.64	8.14
				<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-2091	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.43	9.15
				<i>For Work In Restricted Working Space, Add</i>	6.86	
26 05 33 13-2092	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.70	10.17
				<i>For Work In Restricted Working Space, Add</i>	7.63	
26 05 33 13-2093	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	47.97	11.87
				<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2094	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	54.24	13.56
				<i>For Work In Restricted Working Space, Add</i>	10.17	
26 05 33 13-2095	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	63.58	15.26
				<i>For Work In Restricted Working Space, Add</i>	11.45	
26 05 33 13-2096	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	74.15	16.95
				<i>For Work In Restricted Working Space, Add</i>	12.71	
26 05 33 13-2097				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2044)</small>		
26 05 33 13-2098	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	18.95	2.71
				<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 33 13-2099	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	21.16	3.05
				<i>For Work In Restricted Working Space, Add</i>	2.29	
26 05 33 13-2100	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.15	3.39
				<i>For Work In Restricted Working Space, Add</i>	2.54	
26 05 33 13-2101	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	23.08	3.73
				<i>For Work In Restricted Working Space, Add</i>	2.80	
26 05 33 13-2102	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	24.25	4.07
				<i>For Work In Restricted Working Space, Add</i>	3.05	
26 05 33 13-2103	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	28.63	4.75
				<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33 13-2104	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	34.51	5.77
				<i>For Work In Restricted Working Space, Add</i>	4.32	
26 05 33 13-2105	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	41.07	6.78
				<i>For Work In Restricted Working Space, Add</i>	5.09	
26 05 33 13-2106	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	48.32	8.47
				<i>For Work In Restricted Working Space, Add</i>	6.36	
26 05 33 13-2107	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	55.57	10.17
				<i>For Work In Restricted Working Space, Add</i>	7.63	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2108	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	67.34	11.87
			<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33	13-2109	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	81.01	13.56
			<i>For Work In Restricted Working Space, Add</i>	10.17	
26 05 33 13-2110 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2044)</small>					
26 05 33	13-2111	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	55.80	16.95
			<i>For Work In Restricted Working Space, Add</i>	12.71	
26 05 33	13-2112	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	65.74	20.35
			<i>For Work In Restricted Working Space, Add</i>	15.26	
26 05 33	13-2113	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	74.39	23.73
			<i>For Work In Restricted Working Space, Add</i>	17.80	
26 05 33	13-2114	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	82.97	27.13
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33	13-2115	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	87.55	28.82
			<i>For Work In Restricted Working Space, Add</i>	21.62	
26 05 33	13-2116	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	94.73	30.51
			<i>For Work In Restricted Working Space, Add</i>	22.89	
26 05 33	13-2117	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	102.67	32.22
			<i>For Work In Restricted Working Space, Add</i>	24.16	
26 05 33	13-2118	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	111.32	33.91
			<i>For Work In Restricted Working Space, Add</i>	25.43	
26 05 33	13-2119	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	118.88	35.60
			<i>For Work In Restricted Working Space, Add</i>	26.70	
26 05 33	13-2120	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	126.44	37.29
			<i>For Work In Restricted Working Space, Add</i>	27.98	
26 05 33	13-2121	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	138.97	39.00
			<i>For Work In Restricted Working Space, Add</i>	29.24	
26 05 33	13-2122	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	153.59	40.69
			<i>For Work In Restricted Working Space, Add</i>	30.52	
26 05 33 13-2123 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2044)</small>					
26 05 33	13-2124	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	61.24	16.95
			<i>For Work In Restricted Working Space, Add</i>	12.71	
26 05 33	13-2125	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	71.85	20.35
			<i>For Work In Restricted Working Space, Add</i>	15.26	
26 05 33	13-2126	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	80.53	23.73
			<i>For Work In Restricted Working Space, Add</i>	17.80	
26 05 33	13-2127	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	89.17	27.13
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33	13-2128	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	93.81	28.82
			<i>For Work In Restricted Working Space, Add</i>	21.62	
26 05 33	13-2129	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	101.87	30.51
			<i>For Work In Restricted Working Space, Add</i>	22.89	
26 05 33	13-2130	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	111.24	32.22
			<i>For Work In Restricted Working Space, Add</i>	24.16	
26 05 33	13-2131	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	121.61	33.91
			<i>For Work In Restricted Working Space, Add</i>	25.43	
26 05 33	13-2132	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	130.46	35.60
			<i>For Work In Restricted Working Space, Add</i>	26.70	
26 05 33	13-2133	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	139.31	37.29
			<i>For Work In Restricted Working Space, Add</i>	27.98	
26 05 33	13-2134	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	155.10	39.00
			<i>For Work In Restricted Working Space, Add</i>	29.24	
26 05 33	13-2135	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	173.75	40.69
			<i>For Work In Restricted Working Space, Add</i>	30.52	
26 05 33 13-2136 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2044)</small>					
26 05 33	13-2137	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	56.73	4.75
			<i>For Work In Restricted Working Space, Add</i>	3.56	
26 05 33	13-2138	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	63.39	5.43
			<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33	13-2139	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	66.62	6.10
			<i>For Work In Restricted Working Space, Add</i>	4.58	
26 05 33	13-2140	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	69.91	6.78
			<i>For Work In Restricted Working Space, Add</i>	5.09	
26 05 33	13-2141	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	72.43	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.60	
26 05 33	13-2142	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	79.25	8.14
			<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33	13-2143	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	93.57	9.15
			<i>For Work In Restricted Working Space, Add</i>	6.86	
26 05 33	13-2144	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	110.21	10.17
			<i>For Work In Restricted Working Space, Add</i>	7.63	
26 05 33	13-2145	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	139.90	13.56
			<i>For Work In Restricted Working Space, Add</i>	10.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	26 05 33	13-2146	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	170.67 11.45	15.26	
	26 05 33	13-2147	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	207.00 12.71	16.95	
26 05 33	13-2148	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2044)</small>					
	26 05 33	13-2149	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	70.72 12.71	16.95	
	26 05 33	13-2150	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	82.35 15.26	20.35	
	26 05 33	13-2151	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	98.24 17.80	23.73	
	26 05 33	13-2152	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	120.27 20.35	27.13	
	26 05 33	13-2153	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	143.96 21.62	28.82	
	26 05 33	13-2154	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	182.86 22.89	30.51	
	26 05 33	13-2155	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	248.23 24.16	32.22	
	26 05 33	13-2156	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	292.70 25.43	33.91	
	26 05 33	13-2157	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	344.73 26.70	35.60	
	26 05 33	13-2158	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	396.77 27.98	37.29	
	26 05 33	13-2159	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	458.01 29.24	39.00	
	26 05 33	13-2160	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	713.79 30.52	40.69	
26 05 33	13-2161	Spacers <small>(26 05 33 13-1736)</small> Note: For concrete encasement applications. See CSI section 26 05 33 13-1736 for conduit.					
	26 05 33	13-2162	EA	1" Base Spacers, Average 4" Wide, Direct Burial	8.26		
	26 05 33	13-2163	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	9.32		
	26 05 33	13-2164	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	10.32		
	26 05 33	13-2165	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	11.15		
	26 05 33	13-2166	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	10.38		
	26 05 33	13-2167	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.20		
	26 05 33	13-2168	EA	2" Base Spacer, Average 4" Wide, Direct Burial	12.98		
	26 05 33	13-2169	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.06		
	26 05 33	13-2170	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.37		
	26 05 33	13-2171	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.88		
	26 05 33	13-2172	EA	3" Base Spacer, Average 4" Wide, Direct Burial	16.49		
	26 05 33	13-2173	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	15.70		
	26 05 33	13-2174	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	17.86		
	26 05 33	13-2175	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.05		
	26 05 33	13-2176	EA	4" Base Spacer, Average 4" Wide, Direct Burial	18.38		
	26 05 33	13-2177	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	17.54		
	26 05 33	13-2178	EA	5" Base Spacer, Average 4" Wide, Direct Burial	20.32		
	26 05 33	13-2179	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	19.32		
	26 05 33	13-2180	EA	6" Base Spacer, Average 4" Wide, Direct Burial	22.65		
	26 05 33	13-2181	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	21.83		
26 05 33	13-2182	Conduit Field Bending <small>(26 05 33 13-0040)</small>					
26 05 33	13-2183	Metallic Conduit Field Bending <small>(26 05 33 13-2182)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.					
	26 05 33	13-2184	EA	1-1/4" Metallic Conduit Field Bending	15.42		
	26 05 33	13-2185	EA	1-1/2" Metallic Conduit Field Bending	20.56		
	26 05 33	13-2186	EA	2" Metallic Conduit Field Bending	25.70		
	26 05 33	13-2187	EA	2-1/2" Metallic Conduit Field Bending	35.97		
	26 05 33	13-2188	EA	3" Metallic Conduit Field Bending	46.25		
	26 05 33	13-2189	EA	3-1/2" Metallic Conduit Field Bending	56.53		
	26 05 33	13-2190	EA	4" Metallic Conduit Field Bending	66.80		
	26 05 33	13-2191	EA	5" Metallic Conduit Field Bending	82.23		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2192 EA 6" Metallic Conduit Field Bending.....	97.64	
26 05 33 13-2193 Plastic Conduit Field Bending <small>(26 05 33 13-2182)</small>		
Note: For PVC conduits.		
26 05 33 13-2194 EA 1" Plastic Conduit Field Bending.....	23.64	
26 05 33 13-2195 EA 1-1/4" Plastic Conduit Field Bending.....	25.70	
26 05 33 13-2196 EA 1-1/2" Plastic Conduit Field Bending.....	30.83	
26 05 33 13-2197 EA 2" Plastic Conduit Field Bending.....	41.11	
26 05 33 13-2198 EA 2-1/2" Plastic Conduit Field Bending.....	51.39	
26 05 33 13-2199 EA 3" Plastic Conduit Field Bending.....	61.67	
26 05 33 13-2200 EA 3-1/2" Plastic Conduit Field Bending.....	71.94	
26 05 33 13-2201 EA 4" Plastic Conduit Field Bending.....	82.23	
26 05 33 13-2202 EA 5" Plastic Conduit Field Bending.....	92.50	
26 05 33 13-2203 EA 6" Plastic Conduit Field Bending.....	102.77	
26 05 33 13-2204 Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0040)</small>		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2205 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	30.13	
For Work In Restricted Working Space, Add	9.04	
26 05 33 13-2206 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	33.14	
For Work In Restricted Working Space, Add	9.94	
26 05 33 13-2207 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	36.15	
For Work In Restricted Working Space, Add	10.85	
26 05 33 13-2208 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	39.17	
For Work In Restricted Working Space, Add	11.75	
26 05 33 13-2209 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	41.17	
For Work In Restricted Working Space, Add	12.35	
26 05 33 13-2210 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	43.18	
For Work In Restricted Working Space, Add	12.95	
26 05 33 13-2211 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	45.19	
For Work In Restricted Working Space, Add	13.56	
26 05 33 13-2212 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	47.19	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-2213 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	48.20	
For Work In Restricted Working Space, Add	14.46	
26 05 33 13-2214 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	49.21	
For Work In Restricted Working Space, Add	14.76	
26 05 33 13-2215 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	51.21	
For Work In Restricted Working Space, Add	15.36	
26 05 33 13-2216 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	53.22	
For Work In Restricted Working Space, Add	15.97	
26 05 33 13-2217 Flexible Conduit <small>(26 05 33 13-0040)</small>		
26 05 33 13-2218 Liquid Tight Flexible Conduit And Connectors <small>(26 05 33 13-2217)</small>		
Note: Steel inner core with PVC cover.		
26 05 33 13-2219 Liquid Tight Flexible Conduit <small>(26 05 33 13-2218)</small>		
26 05 33 13-2220 LF 3/8" Liquid Tight Flex Conduit.....	3.32	1.10
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.41	
For Work In Restricted Working Space, Add	0.83	
26 05 33 13-2221 LF 1/2" Liquid Tight Flex Conduit.....	3.40	1.10
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.41	
For Work In Restricted Working Space, Add	0.83	
26 05 33 13-2222 LF 3/4" Liquid Tight Flex Conduit.....	4.56	1.46
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Work In Restricted Working Space, Add	1.10	
26 05 33 13-2223 LF 1" Liquid Tight Flex Conduit.....	5.01	1.46
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Work In Restricted Working Space, Add	1.10	
26 05 33 13-2224 LF 1-1/4" Liquid Tight Flex Conduit.....	6.41	1.83
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.69	
For Work In Restricted Working Space, Add	1.37	
26 05 33 13-2225 LF 1-1/2" Liquid Tight Flex Conduit.....	8.07	2.20
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.83	
For Work In Restricted Working Space, Add	1.65	
26 05 33 13-2226 LF 2" Liquid Tight Flex Conduit.....	10.66	2.94
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
For Work In Restricted Working Space, Add	2.20	
26 05 33 13-2227 LF 2-1/2" Liquid Tight Flex Conduit.....	13.73	3.30
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
26 05 33 13-2228 LF 3" Liquid Tight Flex Conduit.....	19.30	4.04
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.51	
For Work In Restricted Working Space, Add	3.02	
26 05 33 13-2229 LF 4" Liquid Tight Flex Conduit.....	26.00	5.13
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.93	
For Work In Restricted Working Space, Add	3.85	
26 05 33 13-2230 Straight Connector <small>(26 05 33 13-2218)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2231 EA 3/8" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97 2.20 2.20	2.94
26 05 33 13-2232 EA 1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97 2.20 2.20	2.94
26 05 33 13-2233 EA 3/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.58 2.48 2.48	3.30
26 05 33 13-2234 EA 1" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.33 2.75 2.75	3.67
26 05 33 13-2235 EA 1-1/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.37 3.02 3.02	4.04
26 05 33 13-2236 EA 1-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.97 3.30 3.30	4.40
26 05 33 13-2237 EA 2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.51 3.85 3.85	5.13
26 05 33 13-2238 EA 2-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.55 4.95 4.95	6.60
26 05 33 13-2239 EA 3" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.59 5.23 5.23	6.96
26 05 33 13-2240 EA 4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.80 7.70 7.70	10.27
26 05 33 13-2241 90 Degree Angle Connector <small>(26 05 33 13-2218)</small>		
26 05 33 13-2242 EA 3/8" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80 3.02 3.02	4.04
26 05 33 13-2243 EA 1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.15 3.02 3.02	4.04
26 05 33 13-2244 EA 3/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69 3.30 3.30	4.40
26 05 33 13-2245 EA 1" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.55 3.85 3.85	5.13
26 05 33 13-2246 EA 1-1/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.56 4.13 4.13	5.50
26 05 33 13-2247 EA 1-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.70 4.40 4.40	5.86
26 05 33 13-2248 EA 2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.37 4.95 4.95	6.60
26 05 33 13-2249 EA 2-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.27 5.23 5.23	6.96
26 05 33 13-2250 EA 3" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.57 6.05 6.05	8.07
26 05 33 13-2251 EA 4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.92 9.63 9.63	12.84
26 05 33 13-2252 45 Degree Angle Connector <small>(26 05 33 13-2218)</small>		
26 05 33 13-2253 EA 3/8" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68 3.02 3.02	4.04
26 05 33 13-2254 EA 1/2" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.76 3.02 3.02	4.04
26 05 33 13-2255 EA 3/4" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69 3.30 3.30	4.40
26 05 33 13-2256 EA 1" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.50 3.85 3.85	5.13
26 05 33 13-2257 EA 1-1/4" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.94 4.13 4.13	5.50
26 05 33 13-2258 EA 1-1/2" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.39 4.40 4.40	5.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2259 Flexible Metallic Conduit And Connectors (26 05 33 13-2217)		
26 05 33 13-2260 Flexible Steel Conduit (26 05 33 13-2259)		
26 05 33 13-2261 LF 3/8" Flexible Metallic Conduit.....	3.48	1.20
For Flexible Aluminum Conduit, Add	0.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.74	
For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2262 LF 1/2" Flexible Metallic Conduit.....	3.60	1.20
For Flexible Aluminum Conduit, Add	0.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.45	
For Installation In Metal Stud Wall, Add	0.30	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.75	
For Work In Restricted Working Space, Add	0.90	
26 05 33 13-2263 LF 3/4" Flexible Metallic Conduit.....	4.07	1.60
For Flexible Aluminum Conduit, Add	0.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
For Installation In Metal Stud Wall, Add	0.33	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.82	
For Work In Restricted Working Space, Add	0.98	
26 05 33 13-2264 LF 1" Flexible Metallic Conduit.....	5.02	1.60
For Flexible Aluminum Conduit, Add	0.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Installation In Metal Stud Wall, Add	0.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.88	
For Work In Restricted Working Space, Add	1.05	
26 05 33 13-2265 LF 1-1/4" Flexible Metallic Conduit.....	5.67	2.00
For Flexible Aluminum Conduit, Add	0.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.93	
For Work In Restricted Working Space, Add	1.11	
26 05 33 13-2266 LF 1-1/2" Flexible Metallic Conduit.....	7.30	2.40
For Flexible Aluminum Conduit, Add	0.57	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
For Installation In Metal Stud Wall, Add	0.39	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.97	
For Work In Restricted Working Space, Add	1.16	
26 05 33 13-2267 LF 2" Flexible Metallic Conduit.....	8.23	3.21
For Flexible Aluminum Conduit, Add	0.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
For Installation In Metal Stud Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.00	
For Work In Restricted Working Space, Add	1.20	
26 05 33 13-2268 LF 2-1/2" Flexible Steel Conduit.....	10.12	3.61
For Flexible Aluminum Conduit, Add	0.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.75	
For Installation In Metal Stud Wall, Add	0.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.25	
For Work In Restricted Working Space, Add	1.50	
26 05 33 13-2269 LF 3" Flexible Metallic Conduit.....	14.89	4.41
For Flexible Aluminum Conduit, Add	1.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Work In Restricted Working Space, Add	1.81	
26 05 33 13-2270 LF 3-1/2" Flexible Metallic Conduit.....	18.20	4.81
For Flexible Aluminum Conduit, Add	1.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Installation In Metal Stud Wall, Add	0.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.76	
For Work In Restricted Working Space, Add	2.11	
26 05 33 13-2271 LF 4" Flexible Metallic Conduit.....	20.92	5.62
For Flexible Aluminum Conduit, Add	2.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.20	
For Installation In Metal Stud Wall, Add	0.80	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.01	
For Work In Restricted Working Space, Add	2.41	
26 05 33 13-2272 Plain Squeeze Type Straight Connector (26 05 33 13-2259)		
26 05 33 13-2273 EA 3/8" Flexible Straight Connectors, Plain.....	5.87	3.21
For Work In Restricted Working Space, Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	
26 05 33 13-2274 EA 1/2" Flexible Straight Connectors, Plain.....	7.17	3.61
For Work In Restricted Working Space, Add	1.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.50	
26 05 33 13-2275 EA 3/4" Flexible Straight Connectors, Plain.....	8.30	4.41
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2276 EA 1" Flexible Straight Connectors, Plain.....	13.02	4.81
For Work In Restricted Working Space, Add	2.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2277 EA 1-1/4" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.21 3.01 3.01	5.62
26 05 33 13-2278 EA 1-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.89 3.76 3.76	6.82
26 05 33 13-2279 EA 2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.19 4.51 4.51	6.82
26 05 33 13-2280 EA 2-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.28 5.27 5.27	8.43
26 05 33 13-2281 EA 3" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.05 6.02 6.02	9.23
26 05 33 13-2282 EA 3-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.69 6.77 6.77	10.83
26 05 33 13-2283 EA 4" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.30 7.52 7.52	13.23
 26 05 33 13-2284 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2285 EA 1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91 1.50 1.50	3.61
26 05 33 13-2286 EA 3/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27 1.81 1.81	4.41
26 05 33 13-2287 EA 1" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.34 2.41 2.41	4.81
26 05 33 13-2288 EA 1-1/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.65 3.01 3.01	5.62
26 05 33 13-2289 EA 1-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.23 3.76 3.76	6.02
26 05 33 13-2290 EA 2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.86 4.51 4.51	6.82
26 05 33 13-2291 EA 2-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.68 5.27 5.27	8.43
26 05 33 13-2292 EA 3" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.39 6.02 6.02	9.23
26 05 33 13-2293 EA 3-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.50 6.77 6.77	10.83
26 05 33 13-2294 EA 4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.12 7.52 7.52	13.23
 26 05 33 13-2295 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2296 EA 3/8" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.20 1.81 1.81	4.01
26 05 33 13-2297 EA 1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67 2.11 2.11	4.41
26 05 33 13-2298 EA 3/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.73 2.41 2.41	4.81
26 05 33 13-2299 EA 1" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05 3.01 3.01	5.62
26 05 33 13-2300 EA 1-1/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15 3.61 3.61	6.02
26 05 33 13-2301 EA 1-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.96 4.51 4.51	7.02
26 05 33 13-2302 EA 2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.05 5.12 5.12	8.63
26 05 33 13-2303 EA 2-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.50 6.02 6.02	9.23
26 05 33 13-2304 EA 3" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.17 6.77 6.77	10.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2305	EA	3-1/2" Flexible 90 Degree Connector, Plain.....	312.99	13.23
			<i>For Work In Restricted Working Space, Add</i>	7.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52	
26 05 33	13-2306	EA	4" Flexible 90 Degree Connector, Plain.....	556.94	15.04
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33 13-2307 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2259)</small>					
26 05 33	13-2308	EA	1/2" Flexible 90 Degree Connector, Insulated.....	11.70	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33	13-2309	EA	3/4" Flexible 90 Degree Connector, Insulated.....	15.01	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.41	
26 05 33	13-2310	EA	1" Flexible 90 Degree Connector, Insulated.....	19.05	5.62
			<i>For Work In Restricted Working Space, Add</i>	3.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33	13-2311	EA	1-1/4" Flexible 90 Degree Connector, Insulated.....	33.67	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-2312	EA	1-1/2" Flexible 90 Degree Connector, Insulated.....	53.18	7.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33	13-2313	EA	2" Flexible 90 Degree Connector, Insulated.....	67.41	8.63
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33	13-2314	EA	2-1/2" Flexible 90 Degree Connector, Insulated.....	158.27	9.23
			<i>For Work In Restricted Working Space, Add</i>	6.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 05 33	13-2315	EA	3" Flexible 90 Degree Connector, Insulated.....	194.42	10.83
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-2316	EA	3-1/2" Flexible 90 Degree Connector, Insulated.....	518.08	13.23
			<i>For Work In Restricted Working Space, Add</i>	7.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52	
26 05 33	13-2317	EA	4" Flexible 90 Degree Connector, Insulated.....	771.76	15.04
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33 13-2318 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-2259)</small>					
26 05 33	13-2319	EA	3/8" Flexible 45 Degree Connector, Plain.....	9.03	4.01
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-2320	EA	1/2" Flexible 45 Degree Connector, Plain.....	12.00	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33	13-2321	EA	3/4" Flexible 45 Degree Connector, Plain.....	15.22	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.41	
26 05 33 13-2322 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2259)</small>					
26 05 33	13-2323	EA	3/8" Flexible 45 Degree Connector, Insulated.....	9.61	4.81
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-2324	EA	1/2" Flexible 45 Degree Connector, Insulated.....	12.95	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33	13-2325	EA	3/4" Flexible 45 Degree Connector, Insulated.....	16.56	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.41	
26 05 33 13-2326 Plain Screw-In Connector <small>(26 05 33 13-2259)</small>					
26 05 33	13-2327	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	5.01	3.21
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33	13-2328	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	5.43	3.61
			<i>For Work In Restricted Working Space, Add</i>	1.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.50	
26 05 33	13-2329	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	6.87	4.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-2330	EA	1" Flexible Steel Screw-in Connector, Plain.....	9.73	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.41	
26 05 33	13-2331	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	14.02	5.62
			<i>For Work In Restricted Working Space, Add</i>	3.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33	13-2332	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	17.18	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2333 EA 2" Flexible Steel Screw-in Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.69 4.51 4.51	6.82
26 05 33 13-2334 Insulated Screw-In Connector (26 05 33 13-2259)		
26 05 33 13-2335 EA 3/8" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.26 1.35 1.35	3.21
26 05 33 13-2336 EA 1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.62 1.50 1.50	3.61
26 05 33 13-2337 EA 3/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37 1.81 1.81	4.41
26 05 33 13-2338 EA 1" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.50 2.41 2.41	4.81
26 05 33 13-2339 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12 3.01 3.01	5.62
26 05 33 13-2340 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49 3.76 3.76	6.02
26 05 33 13-2341 EA 2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.85 4.51 4.51	6.82
26 05 33 13-2342 Screw-In Coupling (26 05 33 13-2259)		
26 05 33 13-2343 EA 1/2" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	5.91 1.50	3.61
26 05 33 13-2344 EA 3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	7.67 1.81	4.41
26 05 33 13-2345 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-2259)		
26 05 33 13-2346 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	7.58 1.35	3.21
26 05 33 13-2347 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	10.12 1.50	3.61
26 05 33 13-2348 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	13.29 1.81	4.41
26 05 33 13-2349 Die Cast Squeeze Type Straight Connector (26 05 33 13-2259)		
26 05 33 13-2350 EA 3/8" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17 1.35 1.35	3.21
26 05 33 13-2351 EA 1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.83 1.50 1.50	3.61
26 05 33 13-2352 EA 3/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.21 1.81 1.81	4.41
26 05 33 13-2353 EA 1" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67 2.41 2.41	4.81
26 05 33 13-2354 EA 1-1/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.25 3.01 3.01	5.62
26 05 33 13-2355 EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.16 3.76 3.76	6.02
26 05 33 13-2356 EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.58 4.51 4.51	6.82
26 05 33 13-2357 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2259)		
26 05 33 13-2358 EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.86 1.81 1.81	4.01
26 05 33 13-2359 EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42 2.11 2.11	4.41
26 05 33 13-2360 EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14 2.41 2.41	4.81
26 05 33 13-2361 EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.63 3.01 3.01	5.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2362	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	21.80	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-2363	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	33.28	7.02
			<i>For Work In Restricted Working Space, Add</i>	4.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.51	
26 05 33	13-2364	EA	2" Flexible 90 Degree Connector, Die Cast	39.64	8.63
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33	13-2365		Non-Metallic Liquid Tight Flexible Conduit And Connectors (26 05 33 13-2217) Note: Carlon - CARFLEX.		
26 05 33	13-2366		Non-Metallic Liquid Tight Flexible Conduit (26 05 33 13-2365)		
26 05 33	13-2367	LF	3/8" Non-Metallic Liquid Tight Flex Conduit	3.40	1.10
			<i>For Work In Restricted Working Space, Add</i>	0.83	
26 05 33	13-2368	LF	1/2" Non-Metallic Liquid Tight Flex Conduit	3.45	1.10
			<i>For Work In Restricted Working Space, Add</i>	0.83	
26 05 33	13-2369	LF	3/4" Non-Metallic Liquid Tight Flex Conduit	4.64	1.46
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 33	13-2370	LF	1" Non-Metallic Liquid Tight Flex Conduit	5.64	1.46
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 33	13-2371	LF	1-1/4" Non-Metallic Liquid Tight Flex Conduit	7.14	1.83
			<i>For Work In Restricted Working Space, Add</i>	1.37	
26 05 33	13-2372	LF	1-1/2" Non-Metallic Liquid Tight Flex Conduit	9.06	2.20
			<i>For Work In Restricted Working Space, Add</i>	1.65	
26 05 33	13-2373	LF	2" Non-Metallic Liquid Tight Flex Conduit	11.68	2.94
			<i>For Work In Restricted Working Space, Add</i>	2.20	
26 05 33	13-2374		Straight Connector (26 05 33 13-2365)		
26 05 33	13-2375	EA	3/8" Non-Metallic Straight Connector	9.73	2.94
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2376	EA	1/2" Non-Metallic Straight Connector	9.73	2.94
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2377	EA	3/4" Non-Metallic Straight Connector	11.79	3.30
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33	13-2378	EA	1" Non-Metallic Straight Connector	14.49	3.67
			<i>For Work In Restricted Working Space, Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.75	
26 05 33	13-2379	EA	1-1/4" Non-Metallic Straight Connector	19.63	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-2380	EA	1-1/2" Non-Metallic Straight Connector	24.30	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33	13-2381	EA	2" Non-Metallic Straight Connector	37.23	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33	13-2382		90 Degree Angle Connector (26 05 33 13-2365)		
26 05 33	13-2383	EA	3/8" Non-Metallic 90 Degree Angle Connector	13.97	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-2384	EA	1/2" Non-Metallic 90 Degree Angle Connector	13.97	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-2385	EA	3/4" Non-Metallic 90 Degree Angle Connector	16.99	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33	13-2386	EA	1" Non-Metallic 90 Degree Angle Connector	23.65	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85	
26 05 33	13-2387	EA	1-1/4" Non-Metallic 90 Degree Angle Connector	24.51	5.50
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 05 33	13-2388	EA	1-1/2" Non-Metallic 90 Degree Angle Connector	37.74	5.86
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33	13-2389	EA	2" Non-Metallic 90 Degree Angle Connector	50.26	6.60
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-2390		45 Degree Angle Connector (26 05 33 13-2365)		
26 05 33	13-2391	EA	3/8" Non-Metallic 45 Degree Angle Connector	13.97	4.04
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2392 EA 1/2" Non-Metallic 45 Degree Angle Connector	13.97	4.04
For Work In Restricted Working Space, Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2393 EA 3/4" Non-Metallic 45 Degree Angle Connector	16.99	4.40
For Work In Restricted Working Space, Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-2394 EA 1" Non-Metallic 45 Degree Angle Connector	23.65	5.13
For Work In Restricted Working Space, Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 33 13-2395 EA 1-1/4" Non-Metallic 45 Degree Angle Connector	24.51	5.50
For Work In Restricted Working Space, Add	4.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 05 33 13-2396 EA 1-1/2" Non-Metallic 45 Degree Angle Connector	37.74	5.86
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2397 EA 2" Non-Metallic 45 Degree Angle Connector	50.26	6.60
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-2398 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2217)</small>		
Note: Carlon - FLEX-PLUS.		
26 05 33 13-2399 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2398)</small>		
26 05 33 13-2400 LF 1/2" Blue ENT Electrical Non-Metallic Tubing	3.27	1.20
For Work In Restricted Working Space, Add	0.90	
26 05 33 13-2401 LF 3/4" Blue ENT Electrical Non-Metallic Tubing	4.37	1.60
For Work In Restricted Working Space, Add	1.20	
26 05 33 13-2402 LF 1" Blue ENT Electrical Non-Metallic Tubing	4.59	1.60
For Work In Restricted Working Space, Add	1.20	
26 05 33 13-2403 Terminal Adapter <small>(26 05 33 13-2398)</small>		
26 05 33 13-2404 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	8.45	3.21
For Work In Restricted Working Space, Add	2.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.41	
26 05 33 13-2405 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	9.81	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2406 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	11.03	4.01
For Work In Restricted Working Space, Add	3.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
26 05 33 13-2407 Coupling <small>(26 05 33 13-2398)</small>		
26 05 33 13-2408 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	8.39	3.21
For Work In Restricted Working Space, Add	2.41	
26 05 33 13-2409 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	9.51	3.61
For Work In Restricted Working Space, Add	2.71	
26 05 33 13-2410 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	10.75	4.01
For Work In Restricted Working Space, Add	3.01	
26 05 33 13-2411 Conduit Bodies <small>(26 05 33 13-0040)</small>		
26 05 33 13-2412 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2411)</small>		
26 05 33 13-2413 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-2412)</small>		
26 05 33 13-2414 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	50.90	17.60
For Mogul LB, Add	2.98	
For Work In Restricted Working Space, Add	13.20	
For Installation Above 14', Add	6.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.20	
26 05 33 13-2415 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	59.80	20.17
For Mogul LB, Add	4.51	
For Work In Restricted Working Space, Add	15.13	
For Installation Above 14', Add	7.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.13	
26 05 33 13-2416 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.01	23.47
For Mogul LB, Add	7.07	
For Work In Restricted Working Space, Add	17.60	
For Installation Above 14', Add	8.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.60	
26 05 33 13-2417 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	86.84	26.77
For Mogul LB, Add	11.59	
For Work In Restricted Working Space, Add	20.08	
For Installation Above 14', Add	10.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-2418 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	99.05	29.33
For Mogul LB, Add	15.61	
For Work In Restricted Working Space, Add	22.01	
For Installation Above 14', Add	11.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2419	EA		2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	129.52	35.20
			<i>For Mogul LB, Add</i>	26.73	
			<i>For Work In Restricted Working Space, Add</i>	26.40	
			<i>For Installation Above 14', Add</i>	13.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.40	
26 05 33 13-2420	EA		2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	215.63	49.51
			<i>For Mogul LB, Add</i>	62.71	
			<i>For Work In Restricted Working Space, Add</i>	37.13	
			<i>For Installation Above 14', Add</i>	18.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 05 33 13-2421	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	283.64	66.01
			<i>For Mogul LB, Add</i>	80.71	
			<i>For Work In Restricted Working Space, Add</i>	49.51	
			<i>For Installation Above 14', Add</i>	24.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.51	
26 05 33 13-2422	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	375.93	82.51
			<i>For Mogul LB, Add</i>	116.92	
			<i>For Work In Restricted Working Space, Add</i>	61.88	
			<i>For Installation Above 14', Add</i>	30.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.88	
26 05 33 13-2423	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	486.93	100.48
			<i>For Mogul LB, Add</i>	164.25	
			<i>For Work In Restricted Working Space, Add</i>	75.36	
			<i>For Installation Above 14', Add</i>	37.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.36	
26 05 33 13-2424			Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		
			<small>(26 05 33 13-2412)</small>		
26 05 33 13-2425	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	51.74	17.60
			<i>For Mogul LB, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	13.20	
			<i>For Installation Above 14', Add</i>	6.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20	
26 05 33 13-2426	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	60.62	20.17
			<i>For Mogul LB, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33 13-2427	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	73.66	23.47
			<i>For Mogul LB, Add</i>	8.31	
			<i>For Work In Restricted Working Space, Add</i>	17.60	
			<i>For Installation Above 14', Add</i>	8.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 05 33 13-2428	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	88.85	26.77
			<i>For Mogul LB, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	20.08	
			<i>For Installation Above 14', Add</i>	10.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.08	
26 05 33 13-2429	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	102.47	29.33
			<i>For Mogul LB, Add</i>	18.17	
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Installation Above 14', Add</i>	11.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33 13-2430	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	136.86	35.20
			<i>For Mogul LB, Add</i>	32.24	
			<i>For Work In Restricted Working Space, Add</i>	26.40	
			<i>For Installation Above 14', Add</i>	13.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.40	
26 05 33 13-2431	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	211.93	49.51
			<i>For Mogul LB, Add</i>	59.94	
			<i>For Work In Restricted Working Space, Add</i>	37.13	
			<i>For Installation Above 14', Add</i>	18.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 05 33 13-2432	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	271.19	66.01
			<i>For Mogul LB, Add</i>	71.38	
			<i>For Work In Restricted Working Space, Add</i>	49.51	
			<i>For Installation Above 14', Add</i>	24.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.51	
26 05 33 13-2433	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	386.54	82.51
			<i>For Mogul LB, Add</i>	124.88	
			<i>For Work In Restricted Working Space, Add</i>	61.88	
			<i>For Installation Above 14', Add</i>	30.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.88	
26 05 33 13-2434	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	508.62	100.48
			<i>For Mogul LB, Add</i>	180.51	
			<i>For Work In Restricted Working Space, Add</i>	75.36	
			<i>For Installation Above 14', Add</i>	37.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.36	

26 05 33 13-2435 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05

33 13-2412)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2436 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	59.58	20.17
<i>For Work In Restricted Working Space, Add</i>	15.13	
<i>For Installation Above 14', Add</i>	7.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33 13-2437 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	70.45	23.47
<i>For Work In Restricted Working Space, Add</i>	17.60	
<i>For Installation Above 14', Add</i>	8.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 05 33 13-2438 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	80.85	25.67
<i>For Work In Restricted Working Space, Add</i>	19.25	
<i>For Installation Above 14', Add</i>	9.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.25	
26 05 33 13-2439 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	98.62	29.33
<i>For Work In Restricted Working Space, Add</i>	22.01	
<i>For Installation Above 14', Add</i>	11.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33 13-2440 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	113.52	32.27
<i>For Work In Restricted Working Space, Add</i>	24.20	
<i>For Installation Above 14', Add</i>	12.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.20	
26 05 33 13-2441 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	150.60	37.77
<i>For Work In Restricted Working Space, Add</i>	28.33	
<i>For Installation Above 14', Add</i>	14.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.33	
26 05 33 13-2442 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	236.76	55.01
<i>For Work In Restricted Working Space, Add</i>	41.25	
<i>For Installation Above 14', Add</i>	20.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.25	
26 05 33 13-2443 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	306.00	71.51
<i>For Work In Restricted Working Space, Add</i>	53.63	
<i>For Installation Above 14', Add</i>	26.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.63	
26 05 33 13-2444 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	484.28	88.01
<i>For Work In Restricted Working Space, Add</i>	66.01	
<i>For Installation Above 14', Add</i>	33.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.01	
26 05 33 13-2445 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	555.90	105.98
<i>For Work In Restricted Working Space, Add</i>	79.49	
<i>For Installation Above 14', Add</i>	39.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.49	
26 05 33 13-2446 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2412)</small>		
26 05 33 13-2447 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	51.91	17.60
<i>For Work In Restricted Working Space, Add</i>	13.20	
<i>For Installation Above 14', Add</i>	6.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20	
26 05 33 13-2448 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	60.04	20.17
<i>For Work In Restricted Working Space, Add</i>	15.13	
<i>For Installation Above 14', Add</i>	7.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33 13-2449 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	72.07	23.10
<i>For Work In Restricted Working Space, Add</i>	17.33	
<i>For Installation Above 14', Add</i>	8.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 05 33 13-2450 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	88.05	26.77
<i>For Work In Restricted Working Space, Add</i>	20.08	
<i>For Installation Above 14', Add</i>	10.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.08	
26 05 33 13-2451 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	98.49	29.33
<i>For Work In Restricted Working Space, Add</i>	22.01	
<i>For Installation Above 14', Add</i>	11.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33 13-2452 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	129.58	35.20
<i>For Work In Restricted Working Space, Add</i>	26.40	
<i>For Installation Above 14', Add</i>	13.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.40	
26 05 33 13-2453 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	208.81	49.51
<i>For Work In Restricted Working Space, Add</i>	37.13	
<i>For Installation Above 14', Add</i>	18.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 05 33 13-2454 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	269.20	66.01
<i>For Work In Restricted Working Space, Add</i>	49.51	
<i>For Installation Above 14', Add</i>	24.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.51	
26 05 33 13-2455 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	380.16	82.51
<i>For Work In Restricted Working Space, Add</i>	61.88	
<i>For Installation Above 14', Add</i>	30.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.88	
26 05 33 13-2456 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	488.92	100.48
<i>For Work In Restricted Working Space, Add</i>	75.36	
<i>For Installation Above 14', Add</i>	37.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.36	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2457		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33)</small>		
			<small>13-2412)</small>		
26 05 33	13-2458	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	68.98	23.10
			<i>For Work In Restricted Working Space, Add</i>	17.33	
			<i>For Installation Above 14', Add</i>	8.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 05 33	13-2459	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	79.37	25.67
			<i>For Work In Restricted Working Space, Add</i>	19.25	
			<i>For Installation Above 14', Add</i>	9.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.25	
26 05 33	13-2460	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	96.29	28.24
			<i>For Work In Restricted Working Space, Add</i>	21.18	
			<i>For Installation Above 14', Add</i>	10.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.18	
26 05 33	13-2461	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	110.94	32.27
			<i>For Work In Restricted Working Space, Add</i>	24.20	
			<i>For Installation Above 14', Add</i>	12.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.20	
26 05 33	13-2462	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	141.01	35.20
			<i>For Work In Restricted Working Space, Add</i>	26.40	
			<i>For Installation Above 14', Add</i>	13.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.40	
26 05 33	13-2463	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	170.68	43.27
			<i>For Work In Restricted Working Space, Add</i>	32.45	
			<i>For Installation Above 14', Add</i>	16.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.45	
26 05 33	13-2464	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	313.68	63.44
			<i>For Work In Restricted Working Space, Add</i>	47.58	
			<i>For Installation Above 14', Add</i>	23.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.58	
26 05 33	13-2465	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	387.94	82.51
			<i>For Work In Restricted Working Space, Add</i>	61.88	
			<i>For Installation Above 14', Add</i>	30.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.88	
26 05 33	13-2466	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	549.68	101.95
			<i>For Work In Restricted Working Space, Add</i>	77.01	
			<i>For Installation Above 14', Add</i>	38.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.01	
26 05 33	13-2467	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	663.62	122.48
			<i>For Work In Restricted Working Space, Add</i>	91.86	
			<i>For Installation Above 14', Add</i>	45.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.86	
26 05 33	13-2468		Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2411)</small>		
26 05 33	13-2469		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
			<small>13-2468)</small>		
26 05 33	13-2470	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	53.25	17.60
			<i>For Work In Restricted Working Space, Add</i>	13.20	
			<i>For Installation Above 14', Add</i>	6.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20	
26 05 33	13-2471	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	61.76	20.17
			<i>For Work In Restricted Working Space, Add</i>	15.13	
			<i>For Installation Above 14', Add</i>	7.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33	13-2472	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	75.57	23.47
			<i>For Work In Restricted Working Space, Add</i>	17.60	
			<i>For Installation Above 14', Add</i>	8.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.60	
26 05 33	13-2473	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	97.24	26.77
			<i>For Work In Restricted Working Space, Add</i>	20.08	
			<i>For Installation Above 14', Add</i>	10.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.08	
26 05 33	13-2474	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	110.54	29.33
			<i>For Work In Restricted Working Space, Add</i>	22.01	
			<i>For Installation Above 14', Add</i>	11.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 05 33	13-2475	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	150.26	35.20
			<i>For Work In Restricted Working Space, Add</i>	26.41	
			<i>For Installation Above 14', Add</i>	13.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.41	
26 05 33	13-2476	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	251.17	49.51
			<i>For Work In Restricted Working Space, Add</i>	37.13	
			<i>For Installation Above 14', Add</i>	18.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 05 33	13-2477	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	355.08	66.01
			<i>For Work In Restricted Working Space, Add</i>	49.51	
			<i>For Installation Above 14', Add</i>	24.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.51	
26 05 33	13-2478	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	487.64	82.51
			<i>For Work In Restricted Working Space, Add</i>	61.88	
			<i>For Installation Above 14', Add</i>	30.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2479	EA			4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	583.91 75.36 37.68 75.36	100.48
26 05 33 13-2480 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2468)</small>						
26 05 33 13-2481	EA			1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.39 13.20	17.60
26 05 33 13-2482	EA			3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.39 15.13	20.17
26 05 33 13-2483	EA			1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.84 17.60	23.47
26 05 33 13-2484	EA			1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.43 20.08	26.77
26 05 33 13-2485	EA			1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.22 22.01	29.33
26 05 33 13-2486	EA			2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.76 26.41	35.20
26 05 33 13-2487	EA			2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.62 37.13	49.51
26 05 33 13-2488	EA			3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.15 49.51	66.01
26 05 33 13-2489	EA			3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	519.99 61.88	82.51
26 05 33 13-2490	EA			4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	607.77 75.36	100.48
26 05 33 13-2491 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2468)</small>						
26 05 33 13-2492	EA			1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.70 15.13 7.56 15.13	20.17
26 05 33 13-2493	EA			3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.45 17.88 8.94 17.88	23.47
26 05 33 13-2494	EA			1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.19 19.25 9.63 19.25	25.67
26 05 33 13-2495	EA			1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.27 21.73 10.86 21.73	29.33
26 05 33 13-2496	EA			1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.97 24.20 12.10 24.20	32.27
26 05 33 13-2497	EA			2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.22 28.33 14.16 28.33	37.77
26 05 33 13-2498	EA			2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.17 41.25 20.63 41.25	55.01
26 05 33 13-2499	EA			3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.13 53.63 26.82 53.63	71.51
26 05 33 13-2500	EA			3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	548.68 66.01 33.00 66.01	88.01
26 05 33 13-2501	EA			4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	635.34 79.76 39.88 79.76	105.98
26 05 33 13-2502 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2468)</small>						
26 05 33 13-2503	EA			1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.41 13.20 6.60 13.20	17.60
26 05 33 13-2504	EA			3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.54 15.13 7.56 15.13	20.17

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2505 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	75.43	23.10
For Work In Restricted Working Space, Add	17.33	
For Installation Above 14', Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-2506 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	101.27	26.77
For Work In Restricted Working Space, Add	20.08	
For Installation Above 14', Add	10.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.08	
26 05 33 13-2507 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	118.10	29.33
For Work In Restricted Working Space, Add	22.01	
For Installation Above 14', Add	11.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 05 33 13-2508 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	152.42	35.20
For Work In Restricted Working Space, Add	26.41	
For Installation Above 14', Add	13.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.41	
26 05 33 13-2509 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	342.76	92.87
For Work In Restricted Working Space, Add	69.62	
For Installation Above 14', Add	34.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.62	
26 05 33 13-2510 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	323.22	66.01
For Work In Restricted Working Space, Add	49.51	
For Installation Above 14', Add	24.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.51	
26 05 33 13-2511 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	519.99	82.51
For Work In Restricted Working Space, Add	61.88	
For Installation Above 14', Add	30.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.88	
26 05 33 13-2512 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	607.75	100.48
For Work In Restricted Working Space, Add	75.35	
For Installation Above 14', Add	37.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.35	
26 05 33 13-2513 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2498)		
26 05 33 13-2514 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	74.68	23.10
For Work In Restricted Working Space, Add	17.33	
For Installation Above 14', Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-2515 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	81.74	25.67
For Work In Restricted Working Space, Add	19.25	
For Installation Above 14', Add	9.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.25	
26 05 33 13-2516 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	94.69	28.24
For Work In Restricted Working Space, Add	21.18	
For Installation Above 14', Add	10.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.18	
26 05 33 13-2517 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	112.50	32.27
For Work In Restricted Working Space, Add	24.20	
For Installation Above 14', Add	12.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.20	
26 05 33 13-2518 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	129.53	35.20
For Work In Restricted Working Space, Add	26.40	
For Installation Above 14', Add	13.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.40	
26 05 33 13-2519 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	180.46	43.27
For Work In Restricted Working Space, Add	32.45	
For Installation Above 14', Add	16.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.45	
26 05 33 13-2520 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	287.66	63.44
For Work In Restricted Working Space, Add	47.58	
For Installation Above 14', Add	23.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.58	
26 05 33 13-2521 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	420.73	82.51
For Work In Restricted Working Space, Add	61.88	
For Installation Above 14', Add	30.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.88	
26 05 33 13-2522 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	625.70	101.95
For Work In Restricted Working Space, Add	76.46	
For Installation Above 14', Add	38.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.46	
26 05 33 13-2523 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	699.94	122.48
For Work In Restricted Working Space, Add	91.86	
For Installation Above 14', Add	45.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.86	
26 05 33 13-2524 Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2411)		
26 05 33 13-2525 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2524)		
26 05 33 13-2526 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	25.45	6.96
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2527 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.57	9.17
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-2528 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	44.00	11.36
<i>For Work In Restricted Working Space, Add</i>	8.53	
<i>For Installation Above 14', Add</i>	4.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53	
26 05 33 13-2529 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.99	13.94
<i>For Work In Restricted Working Space, Add</i>	10.45	
<i>For Installation Above 14', Add</i>	5.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.45	
26 05 33 13-2530 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	74.81	16.13
<i>For Work In Restricted Working Space, Add</i>	12.10	
<i>For Installation Above 14', Add</i>	6.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.10	
26 05 33 13-2531 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	98.89	18.34
<i>For Work In Restricted Working Space, Add</i>	13.75	
<i>For Installation Above 14', Add</i>	6.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33 13-2532 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		
<small>(26 05 33 13-2524)</small>		
26 05 33 13-2533 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	25.67	6.96
<i>For Work In Restricted Working Space, Add</i>	5.23	
<i>For Installation Above 14', Add</i>	2.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-2534 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.42	9.17
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-2535 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	41.05	11.36
<i>For Work In Restricted Working Space, Add</i>	8.53	
<i>For Installation Above 14', Add</i>	4.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53	
26 05 33 13-2536 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.74	13.94
<i>For Work In Restricted Working Space, Add</i>	10.45	
<i>For Installation Above 14', Add</i>	5.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.45	
26 05 33 13-2537 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	69.91	16.13
<i>For Work In Restricted Working Space, Add</i>	12.10	
<i>For Installation Above 14', Add</i>	6.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.10	
26 05 33 13-2538 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	98.47	18.34
<i>For Work In Restricted Working Space, Add</i>	13.75	
<i>For Installation Above 14', Add</i>	6.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.75	
26 05 33 13-2539 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		
<small>(05 33 13-2524)</small>		
26 05 33 13-2540 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	33.03	9.17
<i>For Work In Restricted Working Space, Add</i>	6.88	
<i>For Installation Above 14', Add</i>	3.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-2541 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	42.99	11.36
<i>For Work In Restricted Working Space, Add</i>	8.53	
<i>For Installation Above 14', Add</i>	4.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53	
26 05 33 13-2542 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	51.86	13.94
<i>For Work In Restricted Working Space, Add</i>	10.45	
<i>For Installation Above 14', Add</i>	5.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.45	
26 05 33 13-2543 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	71.57	16.13
<i>For Work In Restricted Working Space, Add</i>	12.65	
<i>For Installation Above 14', Add</i>	6.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.65	
26 05 33 13-2544 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	91.65	18.34
<i>For Work In Restricted Working Space, Add</i>	14.85	
<i>For Installation Above 14', Add</i>	7.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-2545 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	123.06	20.53
<i>For Work In Restricted Working Space, Add</i>	17.05	
<i>For Installation Above 14', Add</i>	8.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05	
26 05 33 13-2546 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		
<small>(33 13-2524)</small>		
26 05 33 13-2547 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	26.39	6.96
<i>For Work In Restricted Working Space, Add</i>	5.23	
<i>For Installation Above 14', Add</i>	2.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2548 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.30	9.17
For Work In Restricted Working Space, Add	6.88	
For Installation Above 14', Add	3.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.88	
26 05 33 13-2549 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	45.07	11.36
For Work In Restricted Working Space, Add	8.53	
For Installation Above 14', Add	4.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.53	
26 05 33 13-2550 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	58.27	13.94
For Work In Restricted Working Space, Add	10.45	
For Installation Above 14', Add	5.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.45	
26 05 33 13-2551 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.88	16.13
For Work In Restricted Working Space, Add	12.10	
For Installation Above 14', Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.10	
26 05 33 13-2552 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	106.65	18.34
For Work In Restricted Working Space, Add	13.75	
For Installation Above 14', Add	6.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.75	
26 05 33 13-2553 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2411)		
26 05 33 13-2554 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	100.64	20.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.07	
26 05 33 13-2555 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	340.67	37.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.86	
26 05 33 13-2556 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	658.95	75.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.52	
26 05 33 13-2557 Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2411)		
26 05 33 13-2558 Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2557)		
26 05 33 13-2559 1/2" Replacement Stamped Aluminum Conduit Body Cover	9.42	3.58
26 05 33 13-2560 3/4" Replacement Stamped Aluminum Conduit Body Cover	11.50	4.17
26 05 33 13-2561 1" Replacement Stamped Aluminum Conduit Body Cover	14.73	5.36
26 05 33 13-2562 1-1/4" Replacement Stamped Aluminum Conduit Body Cover	17.94	6.55
26 05 33 13-2563 1-1/2" Replacement Stamped Aluminum Conduit Body Cover	22.03	7.75
26 05 33 13-2564 2" Replacement Stamped Aluminum Conduit Body Cover	26.12	8.94
26 05 33 13-2565 2-1/2" Replacement Stamped Aluminum Conduit Body Cover	34.51	10.13
26 05 33 13-2566 3" Replacement Stamped Aluminum Conduit Body Cover	44.66	14.30
26 05 33 13-2567 3-1/2" Replacement Stamped Aluminum Conduit Body Cover	48.50	16.09
26 05 33 13-2568 4" Replacement Stamped Aluminum Conduit Body Cover	61.10	20.26
26 05 33 13-2569 Replacement Cast Steel Conduit Body Cover (26 05 33 13-2557)		
26 05 33 13-2570 1/2" Replacement Cast Steel Conduit Body Cover	10.96	3.58
26 05 33 13-2571 3/4" Replacement Cast Steel Conduit Body Cover	12.84	4.17
26 05 33 13-2572 1" Replacement Cast Steel Conduit Body Cover	18.04	5.36
26 05 33 13-2573 1-1/4" Replacement Cast Steel Conduit Body Cover	22.42	6.55
26 05 33 13-2574 1-1/2" Replacement Cast Steel Conduit Body Cover	27.25	7.75
26 05 33 13-2575 2" Replacement Cast Steel Conduit Body Cover	32.09	8.94
26 05 33 13-2576 2-1/2" Replacement Cast Steel Conduit Body Cover	36.88	10.13
26 05 33 13-2577 3" Replacement Cast Steel Conduit Body Cover	50.26	14.30
26 05 33 13-2578 3-1/2" Replacement Cast Steel Conduit Body Cover	57.32	16.09
26 05 33 13-2579 4" Replacement Cast Steel Conduit Body Cover	72.26	20.26
26 05 33 13-2580 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2557)		
26 05 33 13-2581 1/2" Replacement Velbuna Composition Conduit Body Gasket	8.73	3.58
26 05 33 13-2582 3/4" Replacement Velbuna Composition Conduit Body Gasket	9.96	4.17
26 05 33 13-2583 1" Replacement Velbuna Composition Conduit Body Gasket	13.01	5.36
26 05 33 13-2584 1-1/4" Replacement Velbuna Composition Conduit Body Gasket	16.90	6.55
26 05 33 13-2585 1-1/2" Replacement Velbuna Composition Conduit Body Gasket	19.28	7.75
26 05 33 13-2586 2" Replacement Velbuna Composition Conduit Body Gasket	22.94	8.94
26 05 33 13-2587 2-1/2" Replacement Velbuna Composition Conduit Body Gasket	30.16	10.13
26 05 33 13-2588 3" Replacement Velbuna Composition Conduit Body Gasket	39.23	14.30
26 05 33 13-2589 3-1/2" Replacement Velbuna Composition Conduit Body Gasket	43.36	16.09
26 05 33 13-2590 4" Replacement Velbuna Composition Conduit Body Gasket	51.61	20.26
26 05 33 13-2591 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2557)		
26 05 33 13-2592 1/2" Replacement Neoprene Conduit Body Gasket	9.80	3.58
26 05 33 13-2593 3/4" Replacement Neoprene Conduit Body Gasket	10.98	4.17
26 05 33 13-2594 1" Replacement Neoprene Conduit Body Gasket	14.35	5.36
26 05 33 13-2595 1-1/4" Replacement Neoprene Conduit Body Gasket	17.58	6.55
26 05 33 13-2596 1-1/2" Replacement Neoprene Conduit Body Gasket	19.96	7.75
26 05 33 13-2597 2" Replacement Neoprene Conduit Body Gasket	23.01	8.94
26 05 33 13-2598 2-1/2" Replacement Neoprene Conduit Body Gasket	30.33	10.13
26 05 33 13-2599 3" Replacement Neoprene Conduit Body Gasket	39.40	14.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2600		3-1/2" Replacement Neoprene Conduit Body Gasket.....	44.50	16.09
26 05 33	13-2601		4" Replacement Neoprene Conduit Body Gasket.....	52.75	20.26
26 05 33 16 Boxes For Electrical Systems (26 05 33)					
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.					
26 05 33	16-0001		Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0138 for steel box/switch assemblies.					
26 05 33	16-0002		4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33	16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	31.98	15.04
			<i>For Stud Bracket, Add</i>	0.46	
26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	32.83	15.04
			<i>For Stud Bracket, Add</i>	0.83	
26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	35.78	15.04
			<i>For Stud Bracket, Add</i>	0.91	
26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	24.26	10.03
26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	21.28	10.03
26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.93	5.01
26 05 33	16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.07	5.01
26 05 33	16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.17	5.01
26 05 33	16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.48	5.01
26 05 33	16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.58	5.01
26 05 33	16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.60	5.01
26 05 33	16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.32	5.01
26 05 33	16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.41	5.01
26 05 33	16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.54	5.01
26 05 33	16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.58	5.01
26 05 33	16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.79	5.01
26 05 33	16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.12	5.01
26 05 33	16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	11.82	5.01
26 05 33	16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	12.67	5.01
26 05 33	16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	11.30	5.01
26 05 33	16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	11.38	5.01
26 05 33	16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.28	5.01
26 05 33	16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	11.51	5.01
26 05 33	16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.69	5.01
26 05 33	16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.03	5.01
26 05 33	16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.66	5.01
26 05 33	16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	14.03	5.01
26 05 33	16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.66	5.01
26 05 33	16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.21	5.01
26 05 33	16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.03	5.01
26 05 33	16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.03	5.01
26 05 33	16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	10.63	5.01
26 05 33	16-0035		4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33	16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	35.15	15.04
26 05 33	16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	33.21	15.04
			<i>For Stud Bracket, Add</i>	0.44	
26 05 33	16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	42.95	15.04
26 05 33	16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	25.07	10.03
26 05 33	16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	25.54	10.03
26 05 33	16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.87	5.01
26 05 33	16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.89	5.01
26 05 33	16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.72	5.01
26 05 33	16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.39	5.01
26 05 33	16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.31	5.01
26 05 33	16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.75	5.01
26 05 33	16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.53	5.01
26 05 33	16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.71	5.01
26 05 33	16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.72	5.01
26 05 33	16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.94	5.01
26 05 33	16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.19	5.01
26 05 33	16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.14	5.01
26 05 33	16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	13.37	5.01
26 05 33	16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	13.45	5.01
26 05 33	16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	15.74	5.01
26 05 33	16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	16.38	5.01
26 05 33	16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	15.55	5.01
26 05 33	16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	14.85	5.01
26 05 33	16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	17.18	5.01
26 05 33	16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	5.01
26 05 33	16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	5.01
26 05 33	16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	5.01
26 05 33	16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	11.16	5.01
26 05 33	16-0064		Steel Square Box Brackets (26 05 33 16-0001)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	15.93	7.53
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	11.38	5.02
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	18.00	7.53
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	19.06	7.53
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	26.62	12.53
For Stud Bracket, Add	1.13	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	27.37	12.53
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover	10.58	5.01
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	43.50	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring	46.07	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	48.21	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring	50.32	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	54.40	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	58.59	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	61.98	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover	11.62	5.01
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	37.24	12.53
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	40.80	13.53
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	48.45	15.04
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	61.72	16.55
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	88.36	18.05
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	48.82	12.53
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	53.14	13.53
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	69.29	15.04
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	87.63	16.55
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	139.61	18.05
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	16.05	5.01
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	16.25	5.01
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	18.48	5.01
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	22.32	5.01
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	30.74	5.01
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	14.14	5.01
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	16.23	5.01
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	19.00	5.01
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	22.53	5.01
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	31.33	5.01
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	28.06	12.53
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	28.38	12.53
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	30.06	12.53
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	33.81	12.53
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	34.14	12.53
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	39.23	12.53
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	26.53	12.53
For Stud Bracket, Add	1.81	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	26.88	12.53
For Stud Bracket, Add	0.78	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box	27.65	12.53
For Stud Bracket, Add	1.06	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.14	7.52
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	16.80	7.52
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	5.77	2.50
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.83	2.50
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.51	2.50
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.53	2.50
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.19	2.50
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	5.53	2.50
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	39.16	17.55
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	43.25	18.55
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	48.93	20.06
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	55.32	22.06



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0127		Cast Boxes <small>(26 05 33 16)</small> Note: For flush or surface mount.		
26 05 33 16-0128		Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small> See CSI section 26 27 26 00-0267 for box covers.		
26 05 33 16-0129		Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	81.27	30.09
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	88.54	35.09
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.	104.73	42.62
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	102.50	40.11
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	129.68	47.64
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.	102.14	40.11
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	122.60	47.64
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	104.42	40.11
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	122.63	47.64
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	102.14	40.11
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	119.82	47.64
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	122.57	50.14
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	145.35	60.17
26 05 33 16-0143	EA	1/2" Depth, Type FSFC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	126.94	50.14
26 05 33 16-0144	EA	3/4" Depth, Type FSFC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	162.01	60.17
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	129.79	50.14
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	155.16	60.17
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	122.20	50.14
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	157.09	60.17
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	154.37	60.17
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	186.29	72.70
26 05 33 16-0151		Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small> Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	84.49	30.09
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	97.47	35.09
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	115.03	42.62
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	108.38	40.11
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	125.63	47.64
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	151.14	57.67
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	133.65	47.64
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	171.51	60.17
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	96.40	32.59
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	107.38	37.61
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	125.29	45.12
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	118.00	42.62
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	134.70	50.14

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0166		Deep, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small> Note: >2" deep boxes.		
	26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	106.06	32.59
	26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	116.46	37.61
	26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	132.54	42.62
	26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	150.06	50.14
26 05 33	16-0171		Cast Aluminum Boxes <small>(26 05 33 16-0127)</small> See CSI section 26 27 26 00-0267 for box covers.		
26 05 33	16-0172		Shallow, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
	26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	71.24	25.07
	26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	82.11	30.09
	26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	92.85	37.61
	26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	67.49	25.07
	26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	84.75	30.09
	26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	91.66	35.09
	26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	110.29	42.62
	26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	138.07	52.65
	26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	98.18	35.09
	26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	107.12	42.62
	26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	94.47	35.09
	26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	109.33	42.62
	26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	92.08	35.09
	26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	109.33	42.62
	26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	86.55	35.09
	26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	115.21	42.62
	26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	110.42	45.12
	26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	134.29	55.15
	26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	116.15	45.12
	26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	154.14	55.15
	26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	115.67	45.12
	26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	141.84	55.15
	26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	143.54	55.15
	26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	141.09	55.15
	26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	172.36	67.69
26 05 33	16-0198		Deep, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
	26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	77.89	25.07
	26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	93.33	30.09
	26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	108.27	37.61
	26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	99.40	30.09
	26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	100.26	35.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	120.85	42.62
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	137.08	52.65
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	122.25	42.62
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	150.70	55.15
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	92.20	27.58
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	105.98	32.59
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	115.79	40.11
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	116.46	37.61
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	121.40	45.12
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	149.73	55.15
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	92.13	27.58
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	106.89	32.59
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	118.54	37.61
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	135.30	45.12
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	118.54	37.61
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	135.30	45.12
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	124.67	40.11
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	140.89	47.64
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	138.03	35.09
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	155.20	42.62
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	144.29	40.11
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	177.10	45.12
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	165.35	50.14
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	160.15	45.12
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	193.42	50.14
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0267 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	49.33	21.06
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	56.57	24.57
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	65.21	29.84
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	63.58	28.08
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	74.85	33.34
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	90.77	40.36

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	63.77	28.08
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	74.34	33.34
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	89.03	40.36
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	80.40	35.09
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	92.42	42.12
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	109.37	50.89
26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	49.89	21.06
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	48.90	21.06
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	57.91	24.57
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	65.76	29.84
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	64.69	28.08
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	73.41	33.34
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	87.95	40.36
26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	53.12	22.81
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	60.94	26.33
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	68.82	31.59
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	65.88	29.84
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	80.77	35.09
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	95.79	42.12
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	67.19	29.84
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	84.39	35.09
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	92.89	42.12
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	82.29	36.86
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	106.48	43.87
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	112.79	52.65
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)		
Note: Excludes concrete drilling.		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	392.88	37.61
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	251.25	
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	36.70	10.03
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCKBK.	42.37	5.01
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	443.68	40.11
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	235.69	
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	62.31	15.04
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCKBK.	42.37	5.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	122.21	10.03
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	352.01	35.09
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	29.87	5.01
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	350.43	35.09
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	41.00	5.01
26 05 33 16-0284 Recessed Poke Thru Units <small>(26 05 33 16-0269)</small> Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	584.13	40.11
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	584.20	40.11
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	557.55	40.11
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	557.55	40.11
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	584.13	40.11
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	584.13	40.11
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	535.05	40.11
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	340.81	37.61
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	364.32	37.61
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	366.65	37.61
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	107.97	20.06
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	232.79	10.03
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	232.79	10.03
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	194.24	10.03
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	28.55	2.50
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	15.62	5.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.71	5.01
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	15.56	5.01
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	15.60	5.01
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	15.51	5.01
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	17.93	5.01
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.76	5.01
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	18.14	5.01
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	15.31	5.01
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	15.32	5.01
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	15.14	5.01
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	15.14	5.01
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	34.51	7.52
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	14.04	5.01
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	14.34	5.01
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	102.27	9.03
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.57	5.01
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	18.22	5.01
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.68	5.01
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	29.69	10.03
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	34.46	12.53
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	37.45	12.53
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	28.68	10.03
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	18.11	5.01
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	18.11	5.01
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	18.97	5.01
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	19.55	5.01
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284)		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	760.94	40.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	725.07	40.11
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	718.32	40.11
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	711.92	40.11
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	435.72	37.61
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	486.25	37.61
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	127.69	20.06
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	251.40	10.03
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	251.40	10.03
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	43.89	2.50
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	16.07	5.01
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.15	5.01
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.24	5.01
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.48	5.01
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	21.93	5.01
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	21.90	5.01
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	15.65	5.01
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	15.82	5.01
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.65	5.01
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.65	5.01
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.62	5.01
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	18.38	5.01
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	20.86	5.01
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	29.69	10.03

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)

26 05 33 23-0001 Raceways (26 05 33 23)

26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0004	LF	2-1/2" x 2-1/2"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	16.49 0.37 0.46	4.58
26 05 33 23-0005	EA	2-1/2" x 2-1/2"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	16.41 0.13	6.87
26 05 33 23-0006	EA	2-1/2" x 2-1/2"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	19.81 0.13	8.57
26 05 33 23-0007	EA	2-1/2" x 2-1/2"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	39.88 0.39	16.04
26 05 33 23-0008	EA	2-1/2" x 2-1/2"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	55.40 1.17	16.04
26 05 33 23-0009	EA	2-1/2" x 2-1/2"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	81.17 1.78	22.83
26 05 33 23-0010	EA	2-1/2" x 2-1/2"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	90.80 2.02	25.21
26 05 33 23-0011			4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF	4" x 4"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	20.30 0.44 0.57	5.77
26 05 33 23-0013	LF	4" x 4"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	32.34 1.04 0.57	5.77
26 05 33 23-0014	EA	4" x 4"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	12.85 0.14	5.04
26 05 33 23-0015	EA	4" x 4"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	22.02 0.14	9.63
26 05 33 23-0016	EA	4" x 4"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	47.72 0.42	19.62
26 05 33 23-0017	EA	4" x 4"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	64.78 1.28	19.62
26 05 33 23-0018	EA	4" x 4"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	89.66 1.93	25.48
26 05 33 23-0019	EA	4" x 4"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	103.88 2.21	29.79
26 05 33 23-0020			6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF	6" x 6"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	28.84 0.75 0.69	6.87
26 05 33 23-0022	LF	6" x 6"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	49.95 1.81 0.69	6.87
26 05 33 23-0023	EA	6" x 6"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	15.46 0.22	5.50
26 05 33 23-0024	EA	6" x 6"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	27.38 0.22	11.46
26 05 33 23-0025	EA	6" x 6"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	62.90 0.87	22.83
26 05 33 23-0026	EA	6" x 6"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	80.92 1.77	22.83
26 05 33 23-0027	EA	6" x 6"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	120.49 3.18	28.51
26 05 33 23-0028	EA	6" x 6"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	132.55 3.33	33.00
26 05 33 23-0029			8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF	8" x 8"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	43.24 1.41 0.75	7.52
26 05 33 23-0031	LF	8" x 8"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	73.30 2.92 0.75	7.52
26 05 33 23-0032	EA	8" x 8"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	16.94 0.25	5.96
26 05 33 23-0033	EA	8" x 8"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	29.77 0.25	12.38
26 05 33 23-0034	EA	8" x 8"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	69.93 0.98	25.12
26 05 33 23-0035	EA	8" x 8"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	99.19 2.45	25.12
26 05 33 23-0036	EA	8" x 8"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	141.91 4.00	30.99
26 05 33 23-0037	EA	8" x 8"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	192.97 5.89	37.59
26 05 33 23-0038			10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	60.81 2.17 0.87	8.71
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	101.49 4.20 0.87	8.71
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	22.37 0.43	6.87
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	36.13 0.43	13.75
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	87.64 1.65	27.32
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	145.69 4.55	27.32
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	214.06 7.26	34.47
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	296.07 10.91	38.96
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	71.67 2.53 1.05	10.54
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	112.55 4.57 1.05	10.54
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	27.85 0.66	7.34
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	42.52 0.66	14.67
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	109.42 2.49	29.79
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	186.30 6.34	29.79
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	238.65 8.27	36.67
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	371.94 14.47	41.26
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF #500, 3/4" x 17/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	3.79 0.14	1.37
26 05 33 23-0060 EA #502 Bushing.....	3.91	1.83
26 05 33 23-0061 EA #504 One Or Two Hole Strap	3.95	1.83
26 05 33 23-0062 EA #506 Connection Cover	4.06	1.83
26 05 33 23-0063 EA #511 Flat 90 Degree Elbow	5.93	2.20
26 05 33 23-0064 EA #512 Flat 45 Degree Elbow	9.26	2.29
26 05 33 23-0065 EA #517 Adjustable Internal Elbow	7.37	2.75
26 05 33 23-0066 EA #518 Adjustable External Elbow	7.23	2.75
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF #700, 3/4" x 21/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	4.85 0.18	1.83
26 05 33 23-0069 EA #702 Bushing.....	3.99	1.83
26 05 33 23-0070 EA #704 One Or Two Hole Strap	4.10	1.83
26 05 33 23-0071 EA #706 Connection Cover	4.11	1.83
26 05 33 23-0072 EA #711 Flat 90 Degree Elbow	8.93	3.67
26 05 33 23-0073 EA #712 Flat 45 Degree Elbow	13.17	3.67
26 05 33 23-0074 EA #717 Adjustable Internal Elbow	9.52	3.67
26 05 33 23-0075 EA #718 Adjustable External Elbow	9.24	3.67
26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0077 EA #5700F 18" Flex Fitting, For #500 Or 700.....	23.60	2.75
26 05 33 23-0078 EA #5701 Galvanized Coupling, For #500 Or 700.....	4.07	1.83
26 05 33 23-0079 EA #5703 Supporting Clip, For #500 Or 700.....	4.09	1.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0080 EA #5709 Ground Clamp.....	10.52	2.75
26 05 33 23-0081 EA #5711 Twisted Internal Ell (Right Or Left).....	11.07	3.67
26 05 33 23-0082 EA #5715 Tee.....	12.79	4.58
26 05 33 23-0083 EA #5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2".....	21.05	3.67
26 05 33 23-0084 EA #57242 Utility Box For #200, #500 Or #700.....	15.50	3.67
26 05 33 23-0085 EA #5731 Blank Cover, 2-3/8" Diameter.....	8.38	2.29
26 05 33 23-0086 EA #5733 Outlet Box, 3" Diameter.....	18.47	3.67
26 05 33 23-0087 EA #5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep.....	18.85	3.67
26 05 33 23-0088 EA #5736 Blank Cover, 4-3/8".....	8.85	2.29
26 05 33 23-0089 EA #5737 Extension Box/Open Base, 4-3/4" Diameter.....	17.74	3.67
26 05 33 23-0090 EA #5737A Extension Box/Open Base, 5-1/2" Diameter.....	17.98	3.67
26 05 33 23-0091 EA #5739A Extension Box/Open Base, 6-3/8" Diameter.....	20.00	3.67
26 05 33 23-0092 EA #5738 Fixture Box/Solid Base, 4-3/4" Diameter.....	17.03	3.67
26 05 33 23-0093 EA #5738A Fixture Box/Solid Base, 5-1/2" Diameter.....	17.20	3.67
26 05 33 23-0094 EA #5738AF Fan Box/Solid Base, 5-1/2" Diameter.....	19.35	3.67
26 05 33 23-0095 EA #5739 Fixture Box/Solid Base, 6-3/8".....	18.97	3.67
26 05 33 23-0096 EA #57240 Standard Switch Box For #200, #500, Or #700.....	24.14	5.96
26 05 33 23-0097 EA #57243G Duplex Receptacle And Box, Ground, For #200, #500 Or #700.....	37.33	11.46
26 05 33 23-0098 EA #5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8".....	18.77	5.96
26 05 33 23-0099 EA #5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4".....	27.40	5.96
26 05 33 23-0100 EA #5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4".....	31.39	5.96
26 05 33 23-0101 EA #5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	44.49	5.96
26 05 33 23-0102 EA #5744S Signal Box 1 Gang.....	24.70	5.04
26 05 33 23-0103 EA #5744S2 Signal Box 2 Gang.....	27.32	5.04
26 05 33 23-0104 EA #5744S3 Signal Box 3 Gang.....	41.33	5.04
26 05 33 23-0105 EA #5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4".....	18.53	5.96
26 05 33 23-0106 EA #5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8".....	17.30	5.96
26 05 33 23-0107 EA #5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8".....	22.37	5.96
26 05 33 23-0108 EA #5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	41.63	5.96
26 05 33 23-0109 EA #5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	18.43	5.96
26 05 33 23-0110 EA #5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	23.64	5.96
26 05 33 23-0111 EA #5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4".....	41.01	5.96
26 05 33 23-0112 EA #5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4".....	59.29	5.96
26 05 33 23-0113 EA #5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4".....	99.79	5.96
26 05 33 23-0114 EA #5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4".....	101.52	5.96
26 05 33 23-0115 EA #5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16".....	17.53	5.96
26 05 33 23-0116 EA #5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16".....	17.73	5.96
26 05 33 23-0117 EA #5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16".....	23.28	5.96
26 05 33 23-0118 EA #5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16".....	41.22	5.96
26 05 33 23-0119 EA #5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	18.51	5.96
26 05 33 23-0120 EA #5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8".....	23.44	5.96
26 05 33 23-0121 EA #5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4".....	32.97	5.96
26 05 33 23-0122 EA #5760 Blank Ext. Box.....	11.26	2.29
26 05 33 23-0123 EA #5780 Special Nipple, 1/2".....	10.65	2.29
26 05 33 23-0124 EA #5781 1/2" Box Connector.....	7.37	2.29
26 05 33 23-0125 EA #5781A 3/4" Box Connector.....	13.40	2.75
26 05 33 23-0126 EA #5784 1/2" Elbow Conduit Connector.....	14.88	2.75
26 05 33 23-0127 EA #5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box.....	8.73	2.75
26 05 33 23-0128 EA #5782 1/2" Conduit Connector.....	7.48	2.29
26 05 33 23-0129 EA #5782A 3/4" Conduit Connector.....	16.32	2.75
26 05 33 23-0130 EA #5786 Offset Connector.....	14.34	2.75
26 05 33 23-0131 EA #5790B Armor Cable Connector.....	7.56	2.29

26 05 33 23-0132 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0133 LF #1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway.....	6.69	2.29
For Concrete Or Masonry Surface, Add	0.23	
26 05 33 23-0134 EA #1500WC Wire Clip.....	4.21	1.83
26 05 33 23-0135 EA #1502 Bushing.....	5.23	2.29
26 05 33 23-0136 EA #1504 2-Hole Strap.....	6.05	2.75
26 05 33 23-0137 EA #1511 Flat Elbow.....	22.76	8.71
26 05 33 23-0138 EA #1517 Internal Elbow.....	22.76	8.71
26 05 33 23-0139 EA #1518 External Elbow.....	24.25	8.71
26 05 33 23-0140 EA #1528 Utility Box.....	21.80	5.96
26 05 33 23-0141 EA #1542D Junction Box.....	21.41	5.96
26 05 33 23-0142 EA #1543GL Duplex Receptacle.....	41.46	11.46
26 05 33 23-0143 EA #1546A Single Receptacle Box.....	23.24	5.96
26 05 33 23-0144 EA #1546B Duplex Receptacle Box.....	25.74	5.96
26 05 33 23-0145 EA #1546T Telephone Box.....	25.53	5.96
26 05 33 23-0146 EA #1585 Combination Connection.....	12.19	2.75

26 05 33 23-0147 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0148 LF #2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway.....	11.56	4.13
For Concrete Or Masonry Surface, Add	0.41	
26 05 33 23-0149 EA #2600WC Wire Clip.....	4.32	1.83
26 05 33 23-0150 EA #2602 Fiber Bushing.....	4.72	1.83
26 05 33 23-0151 EA #2611 2-5/8 90 Degree Flat Elbow.....	14.88	3.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0152 EA #2642D Junction Box, 5" Diameter	22.11	4.58
26 05 33 23-0153 EA #2686 Service Fitting	22.95	5.50
 26 05 33 23-0154 Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
<small>Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).</small>		
 26 05 33 23-0155 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #200) <small>(26 05 33 23-0154)</small>		
26 05 33 23-0156 LF #2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover	6.59	2.29
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.23</i>	
26 05 33 23-0157 EA #2000WC Wire Clip	3.19	1.83
26 05 33 23-0158 EA #2001 Coupling	8.80	2.29
26 05 33 23-0159 EA #2003 Supporting Clip	3.91	1.37
26 05 33 23-0160 EA #2006 Cover Clip	3.66	1.37
26 05 33 23-0161 EA #2009 Ground Clamp	8.81	2.29
26 05 33 23-0162 EA #2010A2 Entrance End Fitting	18.71	6.87
26 05 33 23-0163 EA #2010A3 Entrance End Fitting	30.36	9.17
26 05 33 23-0164 EA #2010B Blank End Fitting	5.26	2.29
26 05 33 23-0165 EA #2011 Flat 90 Degree Elbow	16.15	5.96
26 05 33 23-0166 EA #2015 Tee	28.36	8.62
26 05 33 23-0167 EA #2017TC Internal Corner Coupling	10.80	4.58
26 05 33 23-0168 EA #2048 Single Gang device Box	24.02	8.16
26 05 33 23-0169 EA #2048-2 2-Gang device Box	35.70	9.08
26 05 33 23-0170 EA #2051H Flush Plate Adapter	26.07	9.08
26 05 33 23-0171 EA #2089 Side Reducing Connector	20.27	4.58
26 05 33 23-0172 EA #2089E End Reducing Connector	8.43	2.29
 26 05 33 23-0173 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0154)</small>		
<small>Note: Available in gray enamel (G) or ivory (V).</small>		
26 05 33 23-0174 LF #2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	5.76	2.29
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.23</i>	
26 05 33 23-0175 LF #2400C Raceway Cover	1.98	0.46
26 05 33 23-0176 EA #2400WC Wire Clip	3.18	1.83
26 05 33 23-0177 EA #2401 Coupling	8.75	2.29
26 05 33 23-0178 EA #2401D Raceway Coupling	6.53	2.29
26 05 33 23-0179 EA #2406 Cover Clip	3.76	1.37
26 05 33 23-0180 EA #2407-2CM or 2407-2TJ Device Bracket Frame	25.37	6.87
26 05 33 23-0181 EA #2409 Ground Clamp	6.59	1.83
26 05 33 23-0182 EA #2410A End Fitting	18.51	6.87
26 05 33 23-0183 EA #2410C Entrance End Fitting	25.77	6.87
26 05 33 23-0184 EA #2410B Blank End	5.27	2.29
26 05 33 23-0185 EA #2410D Divided Entrance End Fitting	25.03	6.87
26 05 33 23-0186 EA #2410FC Full Cap Entrance End Fitting	30.49	6.87
26 05 33 23-0187 EA #2411D Divided Flat 90 Degree Elbow	20.12	6.87
26 05 33 23-0188 EA #2411M Flat 90 Degree Elbow	19.40	6.87
26 05 33 23-0189 EA #2415M Tee	22.29	6.78
26 05 33 23-0190 EA #2417D Divided Internal Coupling	19.20	6.78
26 05 33 23-0191 EA #2417M Internal Coupling	18.59	6.78
26 05 33 23-0192 EA #2418M External Coupling	21.97	6.78
26 05 33 23-0193 EA #2444 Extra Deep Switch And Receptacle, 1 Gang	27.26	5.96
26 05 33 23-0194 EA #2444-2 Extra Deep Switch And Receptacle Box, 2 Gang	29.92	5.96
26 05 33 23-0195 EA #2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	31.10	5.96
26 05 33 23-0196 EA #2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	20.03	5.96
26 05 33 23-0197 EA #2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	29.33	5.96
26 05 33 23-0198 EA #2451H 4-1/2" x 4-1/2" Back Feed Fitting	22.94	6.87
26 05 33 23-0199 EA #2475D Bridge Fitting 2400/700/500	65.16	6.87
26 05 33 23-0200 EA #2489 Side Reducing Connector	18.21	3.67
26 05 33 23-0201 EA #2410BD Divided Blank End Fitting	5.37	2.29
26 05 33 23-0202 EA #2410DFO Divided Entrance End Fitting	38.66	6.87
26 05 33 23-0203 EA #2411FO Radiused Flat 90 Degree Elbow	27.23	6.78
26 05 33 23-0204 EA #2411DFO Radiused Divided Flat 90 Degree Elbow	30.00	6.87
26 05 33 23-0205 EA #2415FO Radiused Tee	30.51	6.78
26 05 33 23-0206 EA #2415DFO Radiused Divided Tee	31.89	6.78
26 05 33 23-0207 EA #2417FO Radiused Internal Coupling	27.28	6.78
26 05 33 23-0208 EA #2417DFO Radiused Divided Internal Coupling	28.00	6.78
26 05 33 23-0209 EA #2418FO Radiused External Coupling	28.99	6.78
26 05 33 23-0210 EA #2418DFO Radiused Divided External Coupling	29.66	6.78
26 05 33 23-0211 EA #2444D Divided Extra Deep Switch And Receptacle, 1 Gang	28.93	5.96
26 05 33 23-0212 EA #2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang	39.54	5.96
26 05 33 23-0213 EA #2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang	35.18	5.96
26 05 33 23-0214 EA #2450 Device Bracket	9.25	2.29
 26 05 33 23-0215 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) <small>(26 05 33 23-0154)</small>		
<small>Note: Available in gray enamel (G) or ivory (V).</small>		
26 05 33 23-0216 LF #3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base	10.99	4.13
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.41</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0217	LF		#3000CE Raceway Cover.....	2.34	0.46
26 05 33 23-0218	EA		#3000WC Wire Clips For Conductors.....	4.07	1.83
26 05 33 23-0219	EA		#3001 Couplings.....	10.86	1.83
26 05 33 23-0220	EA		#3001A Rigid Inside Coupling.....	9.76	2.29
26 05 33 23-0221	EA		#3003 Supporting Clip.....	7.53	2.29
26 05 33 23-0222	EA		#3006E Clip Cover.....	4.58	1.83
26 05 33 23-0223	EA		#3007C Device Brackets.....	11.39	3.67
26 05 33 23-0224	EA		#3008C C-Hanger.....	11.89	2.75
26 05 33 23-0225	EA		#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	26.16	8.71
26 05 33 23-0226	EA		#3010B Blank End Fittings.....	9.92	3.67
26 05 33 23-0227	EA		#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit.....	28.49	8.71
26 05 33 23-0228	EA		#3011E Flat 90 Degree Elbow.....	41.65	11.36
26 05 33 23-0229	EA		#3014C Wall Box Connector.....	32.15	11.46
26 05 33 23-0230	EA		#3015E Tee Fitting.....	57.42	14.21
26 05 33 23-0231	EA		#3017TCE Internal Corner Coupling.....	28.04	8.71
26 05 33 23-0232	EA		#3018AE External Corner.....	33.61	8.71
26 05 33 23-0233	EA		#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	25.17	8.71
26 05 33 23-0234	EA		#3028 Utility Box.....	40.91	8.71
26 05 33 23-0235	EA		#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	12.33	2.29
26 05 33 23-0236	EA		#3036HE Blank Cover.....	14.11	2.29
26 05 33 23-0237	EA		#3040CE Switch Cover.....	12.53	2.29
26 05 33 23-0238	EA		#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	41.53	8.71
26 05 33 23-0239	EA		#3046BE Duplex Receptacle Cover.....	13.00	2.75
26 05 33 23-0240 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33)					
23-0154 Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0241	LF		#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base.....	13.19	4.13
For Concrete Or Masonry Surface, Add				0.44	
26 05 33 23-0242	LF		#4000C Raceway Cover.....	4.31	0.46
26 05 33 23-0243	LF		#4000D Divider.....	2.22	0.46
26 05 33 23-0244	EA		#4000WC Wire Clips For Conductors.....	4.88	2.29
26 05 33 23-0245	EA		#4001A Couplings.....	12.93	2.75
26 05 33 23-0246	EA		#4001D Divider Clip.....	6.51	2.75
26 05 33 23-0247	EA		#4007C-1 Device Plate, 1 Gang.....	14.02	5.96
26 05 33 23-0248	EA		#4007C-1R Single Device Fitting.....	17.28	5.96
26 05 33 23-0249	EA		#4007C-2 Device Plate, 2 Gang.....	14.77	5.96
26 05 33 23-0250	EA		#4010B Blank End Fittings.....	13.47	3.67
26 05 33 23-0251	EA		#4010DFO Entrance End Fitting.....	51.36	14.12
26 05 33 23-0252	EA		#4011 Flat 90 Degree Elbow.....	46.59	11.46
26 05 33 23-0253	EA		#4012TX Internal Or External 45 Degree Elbow.....	54.46	14.21
26 05 33 23-0254	EA		#4014A Wall Box Connector.....	70.92	14.21
26 05 33 23-0255	EA		#4015 Tee Fitting.....	73.38	14.21
26 05 33 23-0256	EA		#4015D Divided Tee Fitting.....	77.97	14.21
26 05 33 23-0257	EA		#4017 Internal Elbow.....	43.93	14.21
26 05 33 23-0258	EA		#4017N Inverted Internal Elbow.....	47.41	14.21
26 05 33 23-0259	EA		#4017TC Internal Corner Coupling.....	41.63	14.21
26 05 33 23-0260	EA		#4018 External Elbow.....	61.10	14.21
26 05 33 23-0261	EA		#4046A Or B Combination Single Or Double Receptacle And Telephone Outlet Cover.....	20.76	5.96
26 05 33 23-0262	EA		#4046H Tap-Off Fitting.....	18.77	5.96
26 05 33 23-0263	EA		#4046J Combination Single Receptacle And Phone Outlet Center.....	15.33	2.75
26 05 33 23-0264	EA		#4046T Telephone Outlet Cover.....	14.16	2.29
26 05 33 23-0265	EA		#4050 Device Mounting Bracket.....	20.86	5.96
26 05 33 23-0266	EA		#4074A Take-off Connector, #4000 To #3000.....	95.91	14.21
26 05 33 23-0267	EA		#4075D Bridge Fitting.....	85.81	14.21
26 05 33 23-0268	EA		#4086A Panel Connector.....	74.80	27.05
26 05 33 23-0269	EA		#4089 Reducing Connector Fitting.....	45.43	14.21
26 05 33 23-0270	EA		#4011FO Radiused Flat 90 Degree Elbow.....	56.23	11.46
26 05 33 23-0271	EA		#4015FO Radiused Tee Fitting.....	93.52	14.21
26 05 33 23-0272	EA		#4015DFO Radiused Full Capacity Divided Tee Fitting.....	93.23	14.21
26 05 33 23-0273	EA		#4017FO Internal Elbow.....	75.02	14.21
26 05 33 23-0274	EA		#4018FO Radiused External Elbow.....	75.17	14.21
26 05 33 23-0275	EA		#4075DA Bridge Fitting.....	85.81	14.21
26 05 33 23-0276 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05)					
33 23-0154 Note: Available in gray enamel (G) or ivory (V).					
26 05 33 23-0277	LF		#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base.....	18.55	5.04
For Concrete Or Masonry Surface, Add				0.50	
26 05 33 23-0278	LF		#6000C Raceway Cover.....	5.19	1.37
26 05 33 23-0279	LF		#6000D Divider.....	5.21	1.37
26 05 33 23-0280	EA		#6000WC Wire Clips For Conductors.....	5.44	2.29
26 05 33 23-0281	EA		#6001A Couplings.....	16.09	4.58
26 05 33 23-0282	EA		#6001D Divider Clip.....	7.03	2.29
26 05 33 23-0283	EA		#6001TX Converter Coupling.....	19.87	5.96
26 05 33 23-0284	EA		#6006 Connection Cover.....	19.49	5.96
26 05 33 23-0285	EA		#6007C-1 Single Gang Device Plate.....	20.10	5.96
26 05 33 23-0286	EA		#6007C-2 Two Gang Device Plate.....	21.54	5.96
26 05 33 23-0287	EA		#6008A C-Hanger.....	30.78	8.71
26 05 33 23-0288	EA		#6010B Blank End Fittings.....	36.18	13.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0289	EA		#6011TX Combination Flat Elbow	62.15	13.75
26 05 33 23-0290	EA		#6012TX Internal - External 45 Degree Elbow.....	61.49	13.20
26 05 33 23-0291	EA		#6014A Connector Fitting	87.11	14.21
26 05 33 23-0292	EA		#6017TX Combination Internal-External Elbow	65.07	15.58
26 05 33 23-0293	EA		#6046KD Circuit Breaker Housing.....	104.52	15.58
26 05 33 23-0294	EA		#6074 Take-off Connector, #6000 To #6000	108.87	13.75
26 05 33 23-0295	EA		#6074A Take-off Connector, #6000 To #4000.....	108.87	13.75
26 05 33 23-0296	EA		#6086 Panel Connector	78.72	31.91
26 05 33 23-0297			Two Piece Surface Aluminum Raceways <small>(26 05 33 23-0056)</small>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0298			1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0299	LF		#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	8.33	2.29
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0300	LF		#AL2000C Aluminum Raceway Cover.....	3.80	0.46
26 05 33 23-0301	EA		#AL2000WC Wire Clip.....	4.10	1.83
26 05 33 23-0302	EA		#AL2001 Coupling	9.53	2.29
26 05 33 23-0303	EA		#AL2003 Supporting Clip.....	4.39	1.37
26 05 33 23-0304	EA		#AL2006 Cover Clip.....	5.41	1.37
26 05 33 23-0305	EA		#AL2009 Ground Clamp	7.88	2.29
26 05 33 23-0306	EA		#AL2010A Entrance End Fitting.....	22.21	6.87
26 05 33 23-0307	EA		#AL2010B Blank End Fitting.....	7.22	2.29
26 05 33 23-0308	EA		#AL2011 Flat 90 Degree Elbow.....	24.89	5.96
26 05 33 23-0309	EA		#AL2015 Tee	34.00	8.62
26 05 33 23-0310	EA		#AL2017 Internal Corner Elbow.....	22.16	4.58
26 05 33 23-0311	EA		#AL2018 External Corner Elbow.....	22.12	4.58
26 05 33 23-0312	EA		#AL2038 4-13/16" Round Fixture Box	79.84	8.16
26 05 33 23-0313	EA		#AL2044 4-1/2" x 3" x 2-1/4" D Box	43.14	8.16
26 05 33 23-0314	EA		#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	74.21	9.08
26 05 33 23-0315	EA		#AL2047 Single Gang Shallow Device Box.....	36.55	8.16
26 05 33 23-0316	EA		#AL2047-2 2-Gang Shallow Device Box.....	66.06	9.08
26 05 33 23-0317	EA		#AL2051H Flush Plate Adapter	30.57	9.08
26 05 33 23-0318			2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0319	LF		#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	8.68	2.29
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0320	LF		#AL2400C Aluminum Raceway Cover.....	3.63	0.46
26 05 33 23-0321	EA		#AL2400WC Wire Clip.....	5.14	1.83
26 05 33 23-0322	EA		#AL2401 Coupling	10.52	2.29
26 05 33 23-0323	EA		#AL2406 Cover Clip.....	6.46	1.37
26 05 33 23-0324	EA		#AL2409 Ground Clamp	5.77	1.83
26 05 33 23-0325	EA		#AL2410B Blank End.....	7.56	2.29
26 05 33 23-0326	EA		#AL2410B2 End Fitting	17.35	6.87
26 05 33 23-0327	EA		#AL2411 Flat 90 Degree Elbow.....	28.41	6.87
26 05 33 23-0328	EA		#AL2415 Tee.....	30.60	6.78
26 05 33 23-0329	EA		#AL2416 Fourway Fitting.....	35.25	6.78
26 05 33 23-0330	EA		#AL2417 Internal Coupling	28.30	6.78
26 05 33 23-0331	EA		#AL2418 External Coupling	30.17	6.78
26 05 33 23-0332	EA		#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting	25.75	6.87
26 05 33 23-0333			2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0334	LF		#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	16.07	4.13
			<i>For Concrete Or Masonry Surface, Add</i>	0.41	
26 05 33 23-0335	LF		#AL3300CE Aluminum Raceway Cover	4.94	0.46
26 05 33 23-0336	LF		#AL3300D Raceway Divider.....	3.33	4.13
26 05 33 23-0337	EA		#AL3300WC Wire Clips For Conductors	6.78	1.83
26 05 33 23-0338	EA		#AL3301 Couplings	13.28	1.83
26 05 33 23-0339	EA		#AL3301D Divider Coupling.....	10.39	2.29
26 05 33 23-0340	EA		#AL3309 Ground Clamp	7.16	1.83
26 05 33 23-0341	EA		#AL3310B Blank End Fittings	14.81	3.67
26 05 33 23-0342	EA		#AL3310B1 End Fitting.....	25.64	8.71
26 05 33 23-0343	EA		#AL3311 Flat 90 Degree Elbow.....	69.20	11.36
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0344	EA		#AL3315 Tee Fitting	80.07	14.21
			Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0345	EA		#AL3316 Cross Fitting	89.48	14.21
			Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0346	EA		#AL3317 Internal Elbow.....	63.72	8.71
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0347	EA		#AL3318 External Elbow	63.79	8.71
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0348	EA		#AL3346E Single Receptacle Cover.....	14.53	2.75
26 05 33 23-0349	EA		#AL3346G GFCI/Surge Receptacle Cover	25.05	2.75

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0350 EA #AL3356R Single Device Cover Plate	14.14	2.29
26 05 33 23-0351 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0352 LF #AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base <i>For Concrete Or Masonry Surface, Add</i>	19.10 0.44	4.13
26 05 33 23-0353 LF #AL5200C Aluminum Raceway Cover	8.13	0.46
26 05 33 23-0354 LF #AL5200D Divider.....	4.80	0.46
26 05 33 23-0355 EA #AL5200WC Wire Clips For Conductors.....	6.28	2.29
26 05 33 23-0356 EA #AL5200WC2 Wire Clips For Conductors.....	5.36	2.29
26 05 33 23-0357 EA #AL5200WC3 Wire Clips For Conductors.....	5.33	2.29
26 05 33 23-0358 EA #AL5201 Couplings.....	12.90	2.75
26 05 33 23-0359 EA #AL5206 Cover Clip.....	11.03	2.75
26 05 33 23-0360 EA #AL5209 Ground Adapter.....	14.05	2.75
26 05 33 23-0361 EA #AL5210B Blank End Fittings	14.53	3.67
26 05 33 23-0362 EA #AL5210B1 Blank End Fittings	15.48	3.67
26 05 33 23-0363 EA #AL5210B2 Blank End Fittings	15.69	3.67
26 05 33 23-0364 EA #AL5210B3 Blank End Fittings	15.26	3.67
26 05 33 23-0365 EA #AL5211 Flat 90 Degree Elbow	76.27	11.46
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0366 EA #AL5214 Wall Box Connector.....	62.28	14.21
26 05 33 23-0367 EA #AL5215 Tee Fitting.....	89.60	14.21
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0368 EA #AL5216 Four Way Fitting	97.69	14.21
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0369 EA #AL5217 Internal Elbow.....	80.20	14.21
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0370 EA #AL5217A Internal Corner Coupling	37.63	14.21
26 05 33 23-0371 EA #AL5217N Inverted Internal Elbow	82.25	14.21
26 05 33 23-0372 EA #AL5218 External Elbow.....	80.84	14.21
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0373 EA #AL5246B Blank Device Cover Plate.....	17.20	2.75
26 05 33 23-0374 EA #AL5246D Receptacle Device Cover Plate	20.16	2.75
26 05 33 23-0375 EA #AL5246DD Double Receptacle Device Cover Plate.....	23.70	2.75
26 05 33 23-0376 EA #AL5246F Device Cover Plate.....	22.30	2.75
26 05 33 23-0377 EA #AL5246G Device Cover Plate.....	20.68	2.75
26 05 33 23-0378 EA #AL5246D2A Device Cover Plate.....	26.76	2.75
26 05 33 23-0379 EA #AL5246DABRT Device Cover Plate	28.43	2.75
26 05 33 23-0380 EA #AL5260 Offset Divider.....	20.27	5.96
26 05 33 23-0381 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0382 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	17.23	4.13
26 05 33 23-0383 EA #ALA3806 Cover Clip	8.44	2.75
26 05 33 23-0384 EA #ALA3810B Blank End Fittings.....	14.43	3.67
26 05 33 23-0385 EA #ALA3810B1 Entrance End Cap Fittings.....	15.38	3.67
26 05 33 23-0386 EA #ALA3811 Flat 90 Degree Elbow.....	75.62	11.46
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0387 EA #ALA3815 Flat Tee Fitting	79.05	14.21
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0388 EA #ALA3817 Internal Elbow	77.23	14.21
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0389 EA #ALA3817N Inverted Internal Elbow	89.82	14.21
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0390 EA #ALA3818 External Elbow.....	78.17	14.21
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0391 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0392 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	24.63	4.13
26 05 33 23-0393 EA #ALA4806 Cover Clip	11.10	2.75
26 05 33 23-0394 EA #ALA4810B Blank End Fittings.....	14.57	3.67
26 05 33 23-0395 EA #ALA4810B2 Entrance End Cap Fittings.....	16.00	3.67
26 05 33 23-0396 EA #ALA4811 Flat 90 Degree Elbow.....	88.27	11.46
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0397 EA #ALA4812A Flat 45 Degree Internal Elbow	91.46	11.46
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0398 EA #ALA4812B Flat 45 Degree External Elbow	91.46	11.46
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0399 EA #ALA4815 Flat Tee Fitting	120.03	14.21
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0400 EA #ALA4817 Internal Elbow	83.50	14.21
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0401 EA #ALA4817N Inverted Internal Elbow.....	96.96	14.21
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0402 EA #ALA4818 External Elbow	87.29	14.21
Note: Includes four (4) ALA01 couplings.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0403				Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0297)</small>		
26 05 33 23-0404	LF			#ALAC-5 3" Wide Aluminum Raceway Cover.....	5.28	0.46
				Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0405	EA			#ALAWC Wire Clips.....	5.06	2.29
26 05 33 23-0406	EA			#ALA01 Slide Couplings.....	13.04	2.75
26 05 33 23-0407	EA			#ALA09 Grounding Adapter.....	11.45	2.75
26 05 33 23-0408	EA			#ALA11RI Bend Radius Control Insert For Flat Elbow.....	31.29	11.46
26 05 33 23-0409	EA			#ALA17A Internal Corner Coupling.....	37.62	14.21
26 05 33 23-0410	EA			#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow.....	34.13	11.46
26 05 33 23-0411	EA			#ALA-BL Blank Cover Plate.....	13.15	2.75
26 05 33 23-0412	EA			#ALA-DR Duplex Receptacle Cover Plate.....	13.93	2.75
26 05 33 23-0413	EA			#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	14.45	2.75
26 05 33 23-0414	EA			#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	15.03	2.75
26 05 33 23-0415	EA			#ALA-G GFCI/Surge/Decorator Cover Plate.....	14.04	2.75
26 05 33 23-0416	EA			#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening.....	14.46	2.75
26 05 33 23-0417	EA			#ALA-N Toggle Switch Cover Plate.....	14.79	2.75
26 05 33 23-0418	EA			#ALA-LPB Active LPB Cover Plate.....	18.56	2.75
26 05 33 23-0419	EA			#ALA-MAB Active MAB Cover Plate.....	17.53	2.75
26 05 33 23-0420	EA			#ALA-MABRT Ortronics Cover Plate.....	19.99	2.75
26 05 33 23-0421	EA			#ALA-SG 1-3/4" x 2-3/4" Cover Plate.....	14.82	2.75
26 05 33 23-0422	EA			#ALA-2A Active 2A Cover Plate.....	19.36	2.75
26 05 33 23-0423	EA			#ALA-ABRT Ortronics Communications Cover Plate.....	17.84	2.75
26 05 33 23-0424	EA			#ALA-Z 3/4" Grommet/Mousehole Cover Plate.....	14.76	2.75
26 05 33 23-0425	EA			#ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	17.98	2.75
26 05 33 23-0426				Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small>		
				Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0427	LF			Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit.....	25.91	7.32
				For Concrete Or Masonry Surface, Add	0.73	
26 05 33 23-0428	LF			Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit.....	20.23	5.21
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0429	LF			Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit.....	18.86	5.52
				For Concrete Or Masonry Surface, Add	0.55	
26 05 33 23-0430	LF			Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit.....	17.81	5.21
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0431	LF			Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit.....	16.73	5.32
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0432	LF			Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits.....	23.82	5.21
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0433	LF			Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits.....	20.81	5.21
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0434	LF			Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits.....	19.65	5.21
				For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0435				Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small>		
				Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0436				One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0435)</small>		
				Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0437				#400, 7/8" x 7/16" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0438	LF			#400BC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.46	1.83
				For Adhesive Back, Add	-0.07	
				For Concrete Or Masonry Surface, Add	0.18	
26 05 33 23-0439	EA			#400WC Wire Clip.....	3.96	1.83
26 05 33 23-0440	EA			#406 Cover Clip.....	4.14	1.83
26 05 33 23-0441	EA			#410B Blank End Clip.....	8.01	3.67
26 05 33 23-0442	EA			#411 Flat 90 Degree Elbow.....	9.13	3.67
26 05 33 23-0443	EA			#415 Tee.....	11.51	4.58
26 05 33 23-0444	EA			#417 Internal Elbow.....	9.00	3.67
26 05 33 23-0445	EA			#418 External Elbow.....	9.00	3.67
26 05 33 23-0446				#800, 1-5/16" x 7/16" <small>(26 05 33 23-0436)</small>		
26 05 33 23-0447	LF			#800BC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.75	1.83
				For Adhesive Back, Add	-0.03	
				For Concrete Or Masonry Surface, Add	0.18	
26 05 33 23-0448	EA			#800WC Wire Clip.....	4.02	1.83
26 05 33 23-0449	EA			#806 Cover Clip.....	4.09	1.83
26 05 33 23-0450	EA			#810A2 Entrance End Fitting.....	12.98	3.67
26 05 33 23-0451	EA			#810B Blank End Fitting.....	8.09	3.67
26 05 33 23-0452	EA			#811 Flat 90 Degree Elbow.....	9.20	3.67
26 05 33 23-0453	EA			#815 Tee.....	11.58	4.58
26 05 33 23-0454	EA			#817 Internal Elbow.....	9.06	3.67
26 05 33 23-0455	EA			#818 External Elbow.....	9.06	3.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0456	EA		#889A End Reducer, #800 To #400.....	10.07	3.67
26 05 33 23-0457			#2300, 2-1/4" x 11/16" (26 05 33 23-0436)		
26 05 33 23-0458	LF		#2300BC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.55	1.83
			<i>For Adhesive Back, Add</i>	0.09	
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0459	EA		#2300WC Wire Clip.....	4.07	1.83
26 05 33 23-0460	EA		#2306 Cover Clip.....	4.39	1.83
26 05 33 23-0461	EA		#2310A Entrance End Fitting.....	12.87	3.67
26 05 33 23-0462	EA		#2310B Blank End Fitting.....	8.48	3.67
26 05 33 23-0463	EA		#2310D Divided Entrance End Fitting.....	15.10	3.67
26 05 33 23-0464	EA		#2311 Flat 90 Degree Elbow.....	9.35	3.67
26 05 33 23-0465	EA		#2311D Divided Flat 90 Degree Elbow.....	10.26	3.67
26 05 33 23-0466	EA		#2315 Tee.....	11.61	4.58
26 05 33 23-0467	EA		#2317 Internal Elbow.....	9.35	3.67
26 05 33 23-0468	EA		#2317D Divided Internal Elbow.....	10.27	3.67
26 05 33 23-0469	EA		#2318 External Elbow.....	9.35	3.67
26 05 33 23-0470	EA		#2318D Divided External Elbow.....	10.39	3.67
26 05 33 23-0471	EA		#2389A End Reducer, #2300 To #800.....	10.69	3.67
26 05 33 23-0472	EA		#2389 End Reducer, #2300 To #400.....	10.33	3.67
26 05 33 23-0473			#400, #800 Or #2300 Fittings (26 05 33 23-0436)		
26 05 33 23-0474	EA		#2336 Blank Cover, 4-1/2" Diameter.....	11.25	3.21
26 05 33 23-0475	EA		#2337A Extension Box, 5-1/2" Diameter.....	18.08	3.67
26 05 33 23-0476	EA		#2338-A Fixture Box, 5-1/2" Diameter.....	18.08	3.67
26 05 33 23-0477	EA		#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	16.33	3.67
26 05 33 23-0478	EA		#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.55	3.67
26 05 33 23-0479	EA		#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide.....	16.67	5.96
26 05 33 23-0480	EA		#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.97	5.96
26 05 33 23-0481	EA		#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	17.31	5.96
26 05 33 23-0482	EA		#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	20.66	5.96
26 05 33 23-0483	EA		#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide.....	25.25	5.96
26 05 33 23-0484	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	16.49	5.96
26 05 33 23-0485			#2700, 3/4" x 3/8" (26 05 33 23-0436)		
26 05 33 23-0486	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover.....	4.86	1.83
			<i>For Concrete Or Masonry Surface, Add</i>	0.18	
26 05 33 23-0487	EA		#2700WC 3/4" Wire Clip.....	2.08	0.91
26 05 33 23-0488	EA		#2706 Cover Clip.....	3.02	0.91
26 05 33 23-0489	EA		#2710B Blank End.....	4.86	1.83
26 05 33 23-0490	EA		#2711 Flat 90 Degree Elbow.....	5.77	2.29
26 05 33 23-0491	EA		#2715 Tee.....	9.44	4.13
26 05 33 23-0492	EA		#2717 Internal Elbow.....	6.69	2.75
26 05 33 23-0493	EA		#2718 External Elbow.....	6.69	2.75
26 05 33 23-0494	EA		#2786 Drop Ceiling Connector.....	7.91	3.21
26 05 33 23-0495			#2800, 1" x 1/2" (26 05 33 23-0436)		
26 05 33 23-0496	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.10	2.29
			<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0497	EA		#2800WC 1" Wire Clip.....	3.10	1.37
26 05 33 23-0498	EA		#2806 Cover Clip.....	4.04	1.37
26 05 33 23-0499	EA		#2810B Blank End.....	5.87	2.29
26 05 33 23-0500	EA		#2811 Flat 90 Degree Elbow.....	7.70	3.21
26 05 33 23-0501	EA		#2815 Tee.....	11.37	5.04
26 05 33 23-0502	EA		#2817 Internal Elbow.....	8.63	3.67
26 05 33 23-0503	EA		#2818 External Elbow.....	8.63	3.67
26 05 33 23-0504	EA		#2811FO Radiused Flat 90 Degree Elbow.....	8.30	3.21
26 05 33 23-0505	EA		#2815FO Radiused Tee.....	12.14	5.04
26 05 33 23-0506	EA		#2817FO Radiused Internal Elbow.....	9.31	3.67
26 05 33 23-0507	EA		#2818FO Radiused External Elbow.....	9.23	3.67
26 05 33 23-0508	EA		#2886 Drop Ceiling Connector.....	9.75	4.13
26 05 33 23-0509	EA		#2889 2800-2700 Reducer.....	8.84	3.67
26 05 33 23-0510			#2900, 1-1/2" x 3/4" (26 05 33 23-0436)		
26 05 33 23-0511	LF		#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.43	2.75
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0512	EA		#2900WC 1-1/2" Wire Clip.....	4.11	1.83
26 05 33 23-0513	EA		#2906 Cover Clip.....	5.03	1.83
26 05 33 23-0514	EA		#2910B Blank End.....	6.86	2.75
26 05 33 23-0515	EA		#2911 Flat 90 Degree Elbow.....	8.70	3.67
26 05 33 23-0516	EA		#2911FO Radiused Flat 90 Degree Elbow.....	9.57	3.67
26 05 33 23-0517	EA		#2915 Tee.....	12.36	5.50
26 05 33 23-0518	EA		#2915FO Radiused Tee.....	13.25	5.50
26 05 33 23-0519	EA		#2917FO Radiused Internal Elbow.....	10.52	4.13
26 05 33 23-0520	EA		#2917 Internal Elbow.....	9.61	4.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0521 EA #2918 External Elbow.....	9.61	4.13
26 05 33 23-0522 EA #2918FO Radiused External Elbow.....	10.73	4.13
26 05 33 23-0523 EA #2986 Drop Ceiling Connector.....	9.75	4.13
26 05 33 23-0524 EA #2989 2900-2800 Reducer.....	10.85	4.58
26 05 33 23-0525 EA #2989A 2900-2700 Reducer.....	10.65	4.58
26 05 33 23-0526 Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0435)</small>		
<small>Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).</small>		
26 05 33 23-0527 #5000, 5" x 1" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0528 LF #5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base.....	11.63	4.13
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.41</i>
26 05 33 23-0529 LF #5000C Cover, Black, Gray Or White.....	11.06	4.13
26 05 33 23-0530 LF #5000C Cover, Vinyl, Black Or Gray.....	11.06	4.13
26 05 33 23-0531 LF #5000C Cover, Oak Veneer.....	17.67	4.13
26 05 33 23-0532 LF #5000C Cover, Wood.....	14.93	4.13
26 05 33 23-0533 LF #5000T Quarter Round Trim, Black, Gray Or White.....	1.56	0.46
26 05 33 23-0534 LF #5000T Quarter Round Trim, Vinyl, Black Or Gray.....	1.56	0.46
26 05 33 23-0535 LF #5000T Quarter Round Trim, Oak Veneer.....	4.98	0.46
26 05 33 23-0536 LF #5000T Quarter Round Trim, Wood Veneer.....	3.20	0.46
26 05 33 23-0537 EA #5001 Base Coupling.....	10.96	4.58
26 05 33 23-0538 EA #5004 Blank/Coax Adapter.....	6.30	2.29
26 05 33 23-0539 EA #5005 Low Voltage Blank Plate.....	8.31	2.75
26 05 33 23-0540 EA #5006 Cover Clip.....	11.91	4.58
26 05 33 23-0541 EA #5006A Internal Wire Guard.....	11.01	4.58
26 05 33 23-0542 EA #5007C Device Bracket.....	12.48	4.58
26 05 33 23-0543 EA #5007C-1 Device Plate.....	23.16	9.17
26 05 33 23-0544 EA #5007C-2 Deep Device Plate.....	23.40	9.17
26 05 33 23-0545 EA #5010 End Cap, Right Or Left.....	20.16	8.71
26 05 33 23-0546 EA #5010A Entrance End Feed.....	38.70	14.21
26 05 33 23-0547 EA #5017B Internal Base Elbow.....	26.95	11.46
26 05 33 23-0548 EA #5017C Internal Cover Elbow.....	24.26	9.17
26 05 33 23-0549 EA #5017WG Internal Elbow Wire Guard.....	16.72	6.87
26 05 33 23-0550 EA #5018B External Base Elbow.....	27.01	11.46
26 05 33 23-0551 EA #5018C External Cover Elbow.....	24.83	9.17
26 05 33 23-0552 EA #5018WG External Elbow Wire Guard.....	11.12	4.58
26 05 33 23-0553 #5400, 5-1/4" x 1-11/16" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0554 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	12.35	4.13
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.41</i>
26 05 33 23-0555 LF #5400TC Twin Snap Cover.....	2.53	0.46
26 05 33 23-0556 EA #5400TWC Twin Snap Cover Wire Clips.....	5.01	2.29
26 05 33 23-0557 EA #5406A Cover Clip.....	6.93	2.75
26 05 33 23-0558 EA #5408 Transition Fitting.....	47.16	14.21
26 05 33 23-0559 EA #5450 5-5/32" x 6" Device Bracket.....	17.90	4.58
26 05 33 23-0560 EA #5450A3 7-19/32" x 7-1/2" Device Bracket.....	23.22	4.58
26 05 33 23-0561 EA #5410 End Cap.....	22.75	8.71
26 05 33 23-0562 EA #5410DFO Radiused Divided Entrance Cap Fitting.....	43.68	14.21
26 05 33 23-0563 EA #5411FO Radiused Flat 90 Degree Elbow.....	39.23	11.46
26 05 33 23-0564 EA #5415 Tee Fitting.....	45.73	14.21
26 05 33 23-0565 EA #5417FO Radiused Internal Elbow.....	38.77	14.21
26 05 33 23-0566 EA #5418 External Elbow.....	39.27	14.21
26 05 33 23-0567 EA #5474 Transition Fitting.....	40.63	14.21
26 05 33 23-0568 #5500, 6-11/16" x 1-11/16" <small>(26 05 33 23-0526)</small>		
26 05 33 23-0569 LF #5500BD Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	15.15	4.13
<i>For Concrete Or Masonry Surface, Add</i>		<i>0.41</i>
26 05 33 23-0570 LF #5500C Cover.....	5.12	0.46
26 05 33 23-0571 LF #5500D Divider.....	2.38	0.46
26 05 33 23-0572 EA #5500WC Wire Clips.....	5.73	2.29
26 05 33 23-0573 EA #5506 Cover Clip.....	9.01	2.75
26 05 33 23-0574 EA #5506B Base Seam Clip Fitting.....	6.70	2.75
26 05 33 23-0575 EA #5507AD Modular Furniture Adapter.....	8.61	2.75
26 05 33 23-0576 EA #5507B Blank Faceplate.....	8.43	2.75
26 05 33 23-0577 EA #5507D Duplex Receptacle Faceplate.....	8.68	2.75
26 05 33 23-0578 EA #5507FRJ Dual RJ Connector Faceplate.....	8.67	2.75
26 05 33 23-0579 EA #5507R Rectangular Receptacle Faceplate.....	8.68	2.75
26 05 33 23-0580 EA #5507RJ Dual RJ Connector Faceplate.....	8.68	2.75
26 05 33 23-0581 EA #5507S Rectangular Spacer Fitting.....	8.62	2.75
26 05 33 23-0582 EA #5507SW Switch Faceplate.....	8.43	2.75
26 05 33 23-0583 EA #5507T1 Twistlock Faceplate.....	8.61	2.75
26 05 33 23-0584 EA #5507T2 Single Receptacle Faceplate.....	8.72	2.75
26 05 33 23-0585 EA #5550 6-5/8" x 6" Device Bracket.....	20.98	4.58
26 05 33 23-0586 EA #5550A4 9-5/8" x 7-1/2" Device Bracket.....	28.68	4.58
26 05 33 23-0587 EA #5510 End Cap.....	24.59	8.71
26 05 33 23-0588 EA #5510D Entrance End Fitting.....	49.11	14.21
26 05 33 23-0589 EA #5511FO Radiused Flat 90 Degree Elbow.....	44.88	11.46

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0590	EA		#5514A Backfeed Connector	35.90	11.46
26 05 33 23-0591	EA		#5515 Tee Fitting	51.77	14.21
26 05 33 23-0592	EA		#5517FO Radiused Internal Elbow	42.39	14.21
26 05 33 23-0593	EA		#5518 External Elbow	43.50	14.21
26 05 33 23-0594	EA		#5518FO Radiused External Elbow	44.52	14.21
26 05 33 23-0595	EA		#5574 Transition Fitting	45.34	14.21
26 05 33 23-0596	EA		#5574A Transition Fitting	54.94	14.21
26 05 36 Cable Trays For Electrical Systems (26 05)					
26 05 36 00-0001 Cable Trays (26 05 36)					
Note: Excludes supporting hangers.					
26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)					
26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)					
26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)					
26 05 36 00-0005	LF		6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.87	9.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.78	
26 05 36 00-0006	LF		9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.85	10.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.93	
26 05 36 00-0007	LF		12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.38	11.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.11	
26 05 36 00-0008	LF		18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.35	11.83
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.35	
26 05 36 00-0009	LF		24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.05	12.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.59	
26 05 36 00-0010	LF		30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.35	14.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.16	
26 05 36 00-0011	LF		36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.86	16.15
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.54	
26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)					
26 05 36 00-0013	LF		6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.68	9.43
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.68	
26 05 36 00-0014	LF		9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.56	10.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.82	
26 05 36 00-0015	LF		12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	28.48	10.93
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.94	
26 05 36 00-0016	LF		18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.87	11.53
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.13	
26 05 36 00-0017	LF		24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	32.91	11.93
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.30	
26 05 36 00-0018	LF		30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.49	13.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.71	
26 05 36 00-0019	LF		36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.11	15.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.96	
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)					
26 05 36 00-0021	LF		6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.90	9.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.62	
26 05 36 00-0022	LF		9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.67	9.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.66	
26 05 36 00-0023	LF		12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.86	10.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.84	
26 05 36 00-0024	LF		18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	29.11	10.73
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.01	
26 05 36 00-0025	LF		24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.10	11.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.19	
26 05 36 00-0026	LF		30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.86	12.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.39	
26 05 36 00-0027	LF		36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.47	13.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.56	
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)					
26 05 36 00-0029	LF		6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.13	8.93
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.57	
26 05 36 00-0030	LF		9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	23.61	9.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.60	
26 05 36 00-0031	LF		12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.96	9.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.70	
26 05 36 00-0032	LF		18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.38	10.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	27.17	10.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.88	
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	29.83	10.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.07	
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	31.41	11.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.19	
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	22.77	8.73
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.55	
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	23.19	8.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.57	
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	24.54	9.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.67	
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	25.74	9.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.75	
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	26.10	9.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.78	
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	27.82	10.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.89	
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray.....	29.08	11.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.97	
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	220.54	100.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.68	
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	248.10	114.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.26	
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	273.23	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.77	
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.41	155.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.01	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	387.82	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.93	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	453.63	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.65	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.59	229.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.06	
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	283.61	104.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.64	
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	313.03	120.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.28	
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.68	133.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.83	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	402.79	166.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.44	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.33	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.58	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	511.49	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.93	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.90	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.59	
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0062	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.24	109.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.21	
26 05 36 00-0063	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.61	126.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.32	
26 05 36 00-0064	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.72	141.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.17	
26 05 36 00-0065	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.02	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.15	
26 05 36 00-0066	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.79	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.25	
26 05 36 00-0067	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	602.85	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.23	
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	691.47	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.59	
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.65	72.90
			<i>For 60 Degree Bend, Deduct</i>	-25.74	
			<i>For 30 Degree Bend, Deduct</i>	-46.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.19	
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.54	87.44
			<i>For 60 Degree Bend, Deduct</i>	-28.71	
			<i>For 30 Degree Bend, Deduct</i>	-52.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.57	
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.69	100.29
			<i>For 60 Degree Bend, Deduct</i>	-31.42	
			<i>For 30 Degree Bend, Deduct</i>	-57.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.81	
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.28	126.75
			<i>For 60 Degree Bend, Deduct</i>	-36.65	
			<i>For 30 Degree Bend, Deduct</i>	-68.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.27	
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.24	155.24
			<i>For 60 Degree Bend, Deduct</i>	-45.84	
			<i>For 30 Degree Bend, Deduct</i>	-85.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.99	
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.37	178.20
			<i>For 60 Degree Bend, Deduct</i>	-55.22	
			<i>For 30 Degree Bend, Deduct</i>	-101.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.59	
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.37	209.19
			<i>For 60 Degree Bend, Deduct</i>	-61.50	
			<i>For 30 Degree Bend, Deduct</i>	-114.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.50	
26 05 36 00-0077			24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	177.40	75.21
			<i>For 60 Degree Bend, Deduct</i>	-29.73	
			<i>For 30 Degree Bend, Deduct</i>	-53.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.48	
26 05 36 00-0079	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.60	90.66
			<i>For 60 Degree Bend, Deduct</i>	-33.42	
			<i>For 30 Degree Bend, Deduct</i>	-60.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.10	
26 05 36 00-0080	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.66	104.69
			<i>For 60 Degree Bend, Deduct</i>	-37.97	
			<i>For 30 Degree Bend, Deduct</i>	-69.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.94	
26 05 36 00-0081	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	286.72	133.68
			<i>For 60 Degree Bend, Deduct</i>	-43.36	
			<i>For 30 Degree Bend, Deduct</i>	-79.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.04	166.07
<i>For 60 Degree Bend, Deduct</i>	-53.19	
<i>For 30 Degree Bend, Deduct</i>	-97.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.57	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.46	192.64
<i>For 60 Degree Bend, Deduct</i>	-62.61	
<i>For 30 Degree Bend, Deduct</i>	-115.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.30	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.08	229.34
<i>For 60 Degree Bend, Deduct</i>	-73.17	
<i>For 30 Degree Bend, Deduct</i>	-134.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.70	
26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	204.11	77.61
<i>For 60 Degree Bend, Deduct</i>	-37.62	
<i>For 30 Degree Bend, Deduct</i>	-67.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.95	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.09	94.26
<i>For 60 Degree Bend, Deduct</i>	-41.78	
<i>For 30 Degree Bend, Deduct</i>	-74.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.76	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.02	109.40
<i>For 60 Degree Bend, Deduct</i>	-44.86	
<i>For 30 Degree Bend, Deduct</i>	-80.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.19	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.49	141.60
<i>For 60 Degree Bend, Deduct</i>	-52.46	
<i>For 30 Degree Bend, Deduct</i>	-95.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.55	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.50	178.20
<i>For 60 Degree Bend, Deduct</i>	-60.22	
<i>For 30 Degree Bend, Deduct</i>	-110.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.10	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.04	209.19
<i>For 60 Degree Bend, Deduct</i>	-74.26	
<i>For 30 Degree Bend, Deduct</i>	-135.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.37	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.87	253.21
<i>For 60 Degree Bend, Deduct</i>	-86.03	
<i>For 30 Degree Bend, Deduct</i>	-157.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.38	
26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.43	100.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.89	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.73	114.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.23	
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.08	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.46	
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.77	155.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.14	
26 05 36 00-0098 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	372.09	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.36	
26 05 36 00-0099 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	415.32	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.82	
26 05 36 00-0100 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.65	228.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.49	
26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.65 -17.95	104.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.12 -19.48	120.33
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.16 -20.97	133.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.28 -24.19	166.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.82 -26.93	192.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.22 -29.70	218.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	551.15 -34.01	253.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.78 -21.57	109.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.12 -23.46	126.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.66 -24.86	141.60
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.13 -28.96	178.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.27 -31.69	209.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.23 -36.27	240.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	643.85 -40.82	282.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.59 -26.51	192.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.07 -28.67	209.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.03 -30.08	218.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.93 -33.64	240.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.52 -38.19	267.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.58 -42.65	283.29
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	749.97 -48.27	320.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.59 -33.83	209.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.88 -36.28	229.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	579.08	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.85	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.41	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.78	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	710.59	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.99	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.46	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.52	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.40	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.07	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.25	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.62	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	676.51	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.55	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.91	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.43	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	793.32	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.26	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	901.76	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.56	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	976.53	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.78	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,114.37	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.00	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142 EA 6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	475.00	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.65	
26 05 36 00-0143 EA 9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	488.27	185.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.39	
26 05 36 00-0144 EA 12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.08	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.16	
26 05 36 00-0145 EA 18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	532.88	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.85	
26 05 36 00-0146 EA 24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.71	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.95	
26 05 36 00-0147 EA 30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.93	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.04	
26 05 36 00-0148 EA 36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	652.91	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.03	
26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150 EA 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.57	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.21	
26 05 36 00-0151 EA 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.53	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.34	
26 05 36 00-0152 EA 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.62	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.53	
26 05 36 00-0153 EA 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.48	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.14	
26 05 36 00-0154 EA 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	750.79	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	804.33	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.17	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.06	300.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.54	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	949.68	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.53	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	973.19	218.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.10	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.78	229.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.77	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,046.47	253.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.54	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,077.51	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.49	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,157.04	300.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.63	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.82	343.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.96	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA		6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.69	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.01	
26 05 36 00-0167	EA		9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	557.87	253.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.68	
26 05 36 00-0168	EA		12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.59	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.09	
26 05 36 00-0169	EA		18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.48	283.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.84	
26 05 36 00-0170	EA		24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.63	320.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.84	
26 05 36 00-0171	EA		30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	789.36	343.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.32	
26 05 36 00-0172	EA		36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.45	370.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.07	
26 05 36 00-0173			24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA		6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.62	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.40	
26 05 36 00-0175	EA		9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	731.26	283.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.52	
26 05 36 00-0176	EA		12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	768.35	300.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.76	
26 05 36 00-0177	EA		18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.66	320.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.14	
26 05 36 00-0178	EA		24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	920.33	370.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.16	
26 05 36 00-0179	EA		30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	991.67	401.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.74	
26 05 36 00-0180	EA		36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,103.44	437.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0181				36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA			6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	852.64	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.19	
26 05 36 00-0183	EA			9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	901.39	320.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.41	
26 05 36 00-0184	EA			12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	954.83	343.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.86	
26 05 36 00-0185	EA			18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.97	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.02	
26 05 36 00-0186	EA			24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,197.10	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.27	
26 05 36 00-0187	EA			30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,308.31	480.55
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.78	
26 05 36 00-0188	EA			36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,438.54	535.30
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.25	
26 05 36 00-0189				12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA			6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.99	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.84	
26 05 36 00-0191	EA			9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.12	253.31
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.80	
26 05 36 00-0192	EA			12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.25	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.76	
26 05 36 00-0193	EA			18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	707.71	283.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.16	
26 05 36 00-0194	EA			24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.12	320.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.98	
26 05 36 00-0195	EA			30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	887.27	343.57
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.10	
26 05 36 00-0196	EA			36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	967.57	370.03
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.92	
26 05 36 00-0197				24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA			6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.71	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.71	
26 05 36 00-0199	EA			9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	847.87	283.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.18	
26 05 36 00-0200	EA			12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	888.47	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.78	
26 05 36 00-0201	EA			18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	946.51	320.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.92	
26 05 36 00-0202	EA			24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.61	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.79	
26 05 36 00-0203	EA			30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,137.08	401.12
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.28	
26 05 36 00-0204	EA			36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.03	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.76	
26 05 36 00-0205				36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA			6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,010.70	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.00	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,066.47	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.92	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.94	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.08	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,228.63	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.99	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,407.84	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.34	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,536.61	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.61	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,684.40	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.83	
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	212.97	100.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.92	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	239.93	114.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.45	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	264.35	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.88	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	327.89	155.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.85	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	374.85	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.63	
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.58	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.94	
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	501.66	229.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.06	
26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	268.00	104.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.08	
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	296.94	120.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.67	
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	322.99	133.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.16	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	384.78	166.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.64	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	437.00	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.65	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	490.47	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.83	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.92	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.09	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	285.95	109.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.49	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	320.36	126.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.63	141.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.26	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.17	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.97	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.78	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.84	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.03	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.35	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.00	282.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.44	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	156.76	72.90
<i>For 60 Degree Bend, Deduct</i>	-23.80	
<i>For 30 Degree Bend, Deduct</i>	-43.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.60	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	182.41	87.44
<i>For 60 Degree Bend, Deduct</i>	-26.69	
<i>For 30 Degree Bend, Deduct</i>	-49.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.96	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.33	100.29
<i>For 60 Degree Bend, Deduct</i>	-29.32	
<i>For 30 Degree Bend, Deduct</i>	-54.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.18	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.56	126.75
<i>For 60 Degree Bend, Deduct</i>	-34.44	
<i>For 30 Degree Bend, Deduct</i>	-64.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.60	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.59	155.24
<i>For 60 Degree Bend, Deduct</i>	-42.99	
<i>For 30 Degree Bend, Deduct</i>	-80.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.12	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.32	178.20
<i>For 60 Degree Bend, Deduct</i>	-51.58	
<i>For 30 Degree Bend, Deduct</i>	-95.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.48	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.85	209.19
<i>For 60 Degree Bend, Deduct</i>	-57.69	
<i>For 30 Degree Bend, Deduct</i>	-107.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.35	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	169.96	75.21
<i>For 60 Degree Bend, Deduct</i>	-27.27	
<i>For 30 Degree Bend, Deduct</i>	-49.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.73	
26 05 36 00-0248 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	198.67	90.66
<i>For 60 Degree Bend, Deduct</i>	-30.80	
<i>For 30 Degree Bend, Deduct</i>	-56.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.31	
26 05 36 00-0249 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.78	104.69
<i>For 60 Degree Bend, Deduct</i>	-35.04	
<i>For 30 Degree Bend, Deduct</i>	-64.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.06	
26 05 36 00-0250 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.60	133.68
<i>For 60 Degree Bend, Deduct</i>	-40.35	
<i>For 30 Degree Bend, Deduct</i>	-74.69	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.62	
26 05 36 00-0251 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.99	166.07
<i>For 60 Degree Bend, Deduct</i>	-49.54	
<i>For 30 Degree Bend, Deduct</i>	-91.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.25	192.64
			<i>For 60 Degree Bend, Deduct</i>	-58.25	
			<i>For 30 Degree Bend, Deduct</i>	-107.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.98	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.95	229.34
			<i>For 60 Degree Bend, Deduct</i>	-68.17	
			<i>For 30 Degree Bend, Deduct</i>	-126.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.19	
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.42	77.61
			<i>For 60 Degree Bend, Deduct</i>	-34.09	
			<i>For 30 Degree Bend, Deduct</i>	-61.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.88	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.80	94.26
			<i>For 60 Degree Bend, Deduct</i>	-38.06	
			<i>For 30 Degree Bend, Deduct</i>	-68.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.63	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.50	109.40
			<i>For 60 Degree Bend, Deduct</i>	-41.06	
			<i>For 30 Degree Bend, Deduct</i>	-74.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.03	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	311.00	141.60
			<i>For 60 Degree Bend, Deduct</i>	-48.33	
			<i>For 30 Degree Bend, Deduct</i>	-88.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.30	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.29	178.20
			<i>For 60 Degree Bend, Deduct</i>	-55.86	
			<i>For 30 Degree Bend, Deduct</i>	-103.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.78	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.99	209.19
			<i>For 60 Degree Bend, Deduct</i>	-68.63	
			<i>For 30 Degree Bend, Deduct</i>	-126.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.67	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.90	253.21
			<i>For 60 Degree Bend, Deduct</i>	-79.77	
			<i>For 30 Degree Bend, Deduct</i>	-147.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.49	
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.21	100.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.36	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.39	114.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.69	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.55	126.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.90	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.72	155.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.64	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.09	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.76	
26 05 36 00-0268	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.84	200.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.17	
26 05 36 00-0269	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.92	228.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.81	
26 05 36 00-0270			24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.27	104.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.21	
26 05 36 00-0272	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.56	120.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.29	133.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.19	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.99	166.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.36	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.12	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.06	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.03	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.78	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.82	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.98	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.82	109.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.57	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.79	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.43	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.21	141.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.82	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.85	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.83	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.87	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.26	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.97	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	630.05	282.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.44	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	417.54	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.70	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.43	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.81	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.90	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.17	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.48	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.59	
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.27	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.96	
26 05 36 00-0292 EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.93	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.19	
26 05 36 00-0293 EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	733.40	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.61	
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295 EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.98	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.56	
26 05 36 00-0296 EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.67	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.96	
26 05 36 00-0297 EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.39	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.48	
26 05 36 00-0298 EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	622.53	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.99	
26 05 36 00-0299 EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.50	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0300 EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	744.93	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.77	
26 05 36 00-0301 EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.95	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.82	
26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	608.40	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.73	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.94	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.59	
26 05 36 00-0305 EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.02	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.34	
26 05 36 00-0306 EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	770.87	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.02	
26 05 36 00-0307 EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.42	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.02	
26 05 36 00-0308 EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	948.91	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.02	
26 05 36 00-0309 EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,084.71	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.03	
26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	461.31	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.28	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.46	185.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.01	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	488.15	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.77	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	518.71	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.44	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	537.30	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.51	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.56	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.50	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.94	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.43	
26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319 EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.84	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.73	
26 05 36 00-0320 EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.43	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.83	
26 05 36 00-0321 EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.16	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.98	
26 05 36 00-0322 EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	696.30	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.52	
26 05 36 00-0323 EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.89	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.33	
26 05 36 00-0324 EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.71	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.41	
26 05 36 00-0325 EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	847.24	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0327 EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	903.45	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.91	
26 05 36 00-0328 EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	926.36	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.42	
26 05 36 00-0329 EA 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	951.35	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.03	
26 05 36 00-0330 EA 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.44	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.74	
26 05 36 00-0331 EA 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.88	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.62	
26 05 36 00-0332 EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.61	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.59	
26 05 36 00-0333 EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,184.79	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.86	
26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0335 EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	520.72	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.02	
26 05 36 00-0336 EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	547.42	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.64	
26 05 36 00-0337 EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	582.18	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.95	
26 05 36 00-0338 EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	621.99	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.59	
26 05 36 00-0339 EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.70	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.44	
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.67	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.65	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	840.84	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.21	
26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	677.28	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.46	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	711.33	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.53	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	747.81	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.71	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	796.80	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.95	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	897.04	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.83	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	966.82	401.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.26	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,074.62	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.02	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-02 13)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.62	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.49	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.17 -60.59	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	925.41 -63.92	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,006.55 -69.78	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,161.08 -79.67	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,269.28 -86.88	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,396.51 -95.04	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.54 -37.40	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.98 -39.29	253.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.71 -42.11	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.61 -45.35	283.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.92 -50.96	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.06 -57.67	343.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	940.58 -63.22	370.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	781.68 -55.90	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.97 -58.29	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	858.69 -60.80	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	914.82 -64.75	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,022.83 -71.41	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,101.04 -76.68	401.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,230.24 -86.58	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	971.52 -72.08	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,025.56 -75.83	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,084.28 -79.81	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,181.62 -87.29	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0379	EA			24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,355.61	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.12	
26 05 36 00-0380	EA			30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,480.02	480.55
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.95	
26 05 36 00-0381	EA			36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,623.46	535.30
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.74	
26 05 36 00-0382				9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383				12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384	EA			6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	205.40	100.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.16	
26 05 36 00-0385	EA			9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	231.77	114.52
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.63	
26 05 36 00-0386	EA			12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	255.46	126.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.99	
26 05 36 00-0387	EA			18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	316.36	155.24
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-0388	EA			24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	361.88	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.34	
26 05 36 00-0389	EA			30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	419.53	200.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.24	
26 05 36 00-0390	EA			36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	481.73	229.24
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.07	
26 05 36 00-0391				24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392	EA			6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	252.39	104.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.52	
26 05 36 00-0393	EA			9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	280.85	120.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.07	
26 05 36 00-0394	EA			12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	306.30	133.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.49	
26 05 36 00-0395	EA			18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	366.77	166.07
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.84	
26 05 36 00-0396	EA			24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	417.66	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.72	
26 05 36 00-0397	EA			30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	469.46	218.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.73	
26 05 36 00-0398	EA			36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	546.94	253.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.59	
26 05 36 00-0399				36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400	EA			6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	268.66	109.30
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.76	
26 05 36 00-0401	EA			9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	302.11	126.55
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.67	
26 05 36 00-0402	EA			12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	331.53	141.60
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.35	
26 05 36 00-0403	EA			18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	406.31	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.78	
26 05 36 00-0404	EA			24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	468.76	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.22	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.47	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.54	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.29	
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	150.88	72.90
			<i>For 60 Degree Bend, Deduct</i>	-21.85	
			<i>For 30 Degree Bend, Deduct</i>	-40.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.02	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	176.29	87.44
			<i>For 60 Degree Bend, Deduct</i>	-24.67	
			<i>For 30 Degree Bend, Deduct</i>	-45.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.35	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	198.96	100.29
			<i>For 60 Degree Bend, Deduct</i>	-27.21	
			<i>For 30 Degree Bend, Deduct</i>	-50.93	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.54	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.83	126.75
			<i>For 60 Degree Bend, Deduct</i>	-32.22	
			<i>For 30 Degree Bend, Deduct</i>	-60.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.92	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.95	155.24
			<i>For 60 Degree Bend, Deduct</i>	-40.14	
			<i>For 30 Degree Bend, Deduct</i>	-75.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.26	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.28	178.20
			<i>For 60 Degree Bend, Deduct</i>	-47.93	
			<i>For 30 Degree Bend, Deduct</i>	-89.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.38	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.32	209.19
			<i>For 60 Degree Bend, Deduct</i>	-53.89	
			<i>For 30 Degree Bend, Deduct</i>	-101.44	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.20	
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.51	75.21
			<i>For 60 Degree Bend, Deduct</i>	-24.81	
			<i>For 30 Degree Bend, Deduct</i>	-45.53	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.99	
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	190.75	90.66
			<i>For 60 Degree Bend, Deduct</i>	-26.19	
			<i>For 30 Degree Bend, Deduct</i>	-52.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.52	
26 05 36 00-0418	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.89	104.69
			<i>For 60 Degree Bend, Deduct</i>	-32.11	
			<i>For 30 Degree Bend, Deduct</i>	-59.33	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.17	
26 05 36 00-0419	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.47	133.68
			<i>For 60 Degree Bend, Deduct</i>	-37.34	
			<i>For 30 Degree Bend, Deduct</i>	-69.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.71	
26 05 36 00-0420	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	331.95	166.07
			<i>For 60 Degree Bend, Deduct</i>	-45.90	
			<i>For 30 Degree Bend, Deduct</i>	-85.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.36	
26 05 36 00-0421	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.04	192.64
			<i>For 60 Degree Bend, Deduct</i>	-53.89	
			<i>For 30 Degree Bend, Deduct</i>	-100.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.65	
26 05 36 00-0422	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.82	229.34
			<i>For 60 Degree Bend, Deduct</i>	-63.18	
			<i>For 30 Degree Bend, Deduct</i>	-118.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0423				36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424	EA			6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	182.74	77.61
				<i>For 60 Degree Bend, Deduct</i>	-30.57	
				<i>For 30 Degree Bend, Deduct</i>	-55.25	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.81	
26 05 36 00-0425	EA			9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.52	94.26
				<i>For 60 Degree Bend, Deduct</i>	-34.33	
				<i>For 30 Degree Bend, Deduct</i>	-62.46	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.50	
26 05 36 00-0426	EA			12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.97	109.40
				<i>For 60 Degree Bend, Deduct</i>	-37.25	
				<i>For 30 Degree Bend, Deduct</i>	-68.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.88	
26 05 36 00-0427	EA			18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.51	141.60
				<i>For 60 Degree Bend, Deduct</i>	-44.21	
				<i>For 30 Degree Bend, Deduct</i>	-81.56	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.05	
26 05 36 00-0428	EA			24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.08	178.20
				<i>For 60 Degree Bend, Deduct</i>	-51.50	
				<i>For 30 Degree Bend, Deduct</i>	-95.73	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.46	
26 05 36 00-0429	EA			30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	433.94	209.19
				<i>For 60 Degree Bend, Deduct</i>	-63.00	
				<i>For 30 Degree Bend, Deduct</i>	-116.63	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.96	
26 05 36 00-0430	EA			36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.92	253.21
				<i>For 60 Degree Bend, Deduct</i>	-73.51	
				<i>For 30 Degree Bend, Deduct</i>	-136.59	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.59	
26 05 36 00-0431				12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432	EA			6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	219.37	100.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.58	
26 05 36 00-0433	EA			9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	244.38	114.52
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.89	
26 05 36 00-0434	EA			12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.27	126.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.08	
26 05 36 00-0435	EA			18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.36	155.24
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-0436	EA			24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.08	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.86	
26 05 36 00-0437	EA			30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.11	200.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.20	
26 05 36 00-0438	EA			36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.83	228.94
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.80	
26 05 36 00-0439				24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.19	104.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.10	
26 05 36 00-0441	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.21	120.33
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.59	
26 05 36 00-0442	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.49	133.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.01	
26 05 36 00-0443	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.56	166.07
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.12	
26 05 36 00-0444	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.06	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.76	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.25	218.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.41	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.33	253.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.43	
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.87	109.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.08	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.30	126.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.54	141.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.25	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.91	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.14	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.76	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.84	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.81	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.03	
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.33	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.37	
26 05 36 00-0455			12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.45	192.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.10	
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.14	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.08	
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	455.65	218.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.35	
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.59	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.50	
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.77	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.51	
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.63	283.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.26	
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.26	320.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.30	
26 05 36 00-0463			24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA		6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.76	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.04	
26 05 36 00-0465	EA		9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.26	229.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.32	
26 05 36 00-0466	EA		12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.01	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.75	
26 05 36 00-0467	EA		18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.99	267.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.03	
26 05 36 00-0468	EA		24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.32	300.85
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.16	
26 05 36 00-0469	EA		30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.87	320.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.26	
26 05 36 00-0470	EA		36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.04	370.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0471				36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA			6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.69	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.96	
26 05 36 00-0473	EA			9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.79	253.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.68	
26 05 36 00-0474	EA			12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.23	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.16	
26 05 36 00-0475	EA			18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.96	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.53	
26 05 36 00-0476	EA			24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.75	343.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.96	
26 05 36 00-0477	EA			30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.67	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.49	
26 05 36 00-0478	EA			36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,025.39	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.10	
26 05 36 00-0479				12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA			6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	433.93	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.54	
26 05 36 00-0481	EA			9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.84	185.22
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.25	
26 05 36 00-0482	EA			12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	460.29	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.98	
26 05 36 00-0483	EA			18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	490.37	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.60	
26 05 36 00-0484	EA			24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	508.49	218.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.63	
26 05 36 00-0485	EA			30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.82	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.43	
26 05 36 00-0486	EA			36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	605.00	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.24	
26 05 36 00-0487				24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA			6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	568.36	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.79	
26 05 36 00-0489	EA			9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.24	200.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.81	
26 05 36 00-0490	EA			12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.25	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.89	
26 05 36 00-0491	EA			18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.94	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.29	
26 05 36 00-0492	EA			24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	670.10	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.95	
26 05 36 00-0493	EA			30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	721.47	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.88	
26 05 36 00-0494	EA			36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	789.60	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.89	
26 05 36 00-0495				36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA			6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.99	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.67	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0497 EA 9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.70	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.05	
26 05 36 00-0498 EA 12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.48	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.54	
26 05 36 00-0499 EA 18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.38	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.14	
26 05 36 00-0500 EA 24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	931.61	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.90	
26 05 36 00-0501 EA 30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.74	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.50	
26 05 36 00-0502 EA 36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,082.72	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.65	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504 EA 6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	500.79	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.02	
26 05 36 00-0505 EA 9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	526.53	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.55	
26 05 36 00-0506 EA 12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.37	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.67	
26 05 36 00-0507 EA 18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.01	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.09	
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	673.84	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.66	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.29	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.31	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.61	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.49	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.62	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.60	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	671.46	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.54	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	706.75	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.60	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.09	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.58	
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	850.44	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.17	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	917.10	401.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.28	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,016.98	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.26	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.59	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.09	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.74	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.95	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	866.57	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.04	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	941.70	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,089.03	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.46	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,191.23	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.07	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,312.46	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.64	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	545.64	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.51	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.68	253.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.26	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.63	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.80	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.39	283.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.72	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.52	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.92	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.66	343.57
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.83	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.61	370.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.82	
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.62	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.30	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.16	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.51	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	799.15	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.84	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	851.44	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.42	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.27	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.65	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.96	401.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.47	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.67	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.23	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.17	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.25	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	943.72	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.64	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	998.96	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.28	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,087.60	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.89	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,251.14	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.67	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,366.84	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.64	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,501.58	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.55	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>			
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.76		100.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.90		
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.91		114.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.34		
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.35		126.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.68		
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.32		155.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.30		
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.34		178.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.88		
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.56		200.56
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.64		
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.75		229.24
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.37		
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.93		104.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.98		
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.22		120.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.50		
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.45		133.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.90		
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.47		166.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.21		
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.90		192.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.04		
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.10		218.61
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.99		
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.20		253.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.72		
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.61		109.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.15		
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.72		126.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.03		
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.85		141.60
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.68		
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.66		178.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.01		
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.35		209.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.60		
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.13		240.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.46		
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.53		282.79
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.19		
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	148.82	72.90
<i>For 60 Degree Bend, Deduct</i>	-21.17	
<i>For 30 Degree Bend, Deduct</i>	-39.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.81	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	174.15	87.44
<i>For 60 Degree Bend, Deduct</i>	-23.97	
<i>For 30 Degree Bend, Deduct</i>	-44.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.13	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.73	100.29
<i>For 60 Degree Bend, Deduct</i>	-26.48	
<i>For 30 Degree Bend, Deduct</i>	-49.70	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.32	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.48	126.75
<i>For 60 Degree Bend, Deduct</i>	-31.44	
<i>For 30 Degree Bend, Deduct</i>	-59.44	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.69	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.92	155.24
<i>For 60 Degree Bend, Deduct</i>	-39.14	
<i>For 30 Degree Bend, Deduct</i>	-73.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.96	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.41	178.20
<i>For 60 Degree Bend, Deduct</i>	-46.66	
<i>For 30 Degree Bend, Deduct</i>	-87.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.99	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.28	209.19
<i>For 60 Degree Bend, Deduct</i>	-52.56	
<i>For 30 Degree Bend, Deduct</i>	-99.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.79	
26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	159.91	75.21
<i>For 60 Degree Bend, Deduct</i>	-23.95	
<i>For 30 Degree Bend, Deduct</i>	-44.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.73	
26 05 36 00-0586 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.97	90.66
<i>For 60 Degree Bend, Deduct</i>	-27.27	
<i>For 30 Degree Bend, Deduct</i>	-50.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.24	
26 05 36 00-0587 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.78	104.69
<i>For 60 Degree Bend, Deduct</i>	-31.08	
<i>For 30 Degree Bend, Deduct</i>	-57.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.86	
26 05 36 00-0588 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.28	133.68
<i>For 60 Degree Bend, Deduct</i>	-36.29	
<i>For 30 Degree Bend, Deduct</i>	-67.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.39	
26 05 36 00-0589 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.08	166.07
<i>For 60 Degree Bend, Deduct</i>	-44.62	
<i>For 30 Degree Bend, Deduct</i>	-83.60	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.97	
26 05 36 00-0590 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.42	192.64
<i>For 60 Degree Bend, Deduct</i>	-52.37	
<i>For 30 Degree Bend, Deduct</i>	-97.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.19	
26 05 36 00-0591 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.52	229.34
<i>For 60 Degree Bend, Deduct</i>	-61.43	
<i>For 30 Degree Bend, Deduct</i>	-115.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.14	
26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.00	77.61
<i>For 60 Degree Bend, Deduct</i>	-29.33	
<i>For 30 Degree Bend, Deduct</i>	-53.20	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	209.57	94.26
For 60 Degree Bend, Deduct	-33.03	
For 30 Degree Bend, Deduct	-60.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.10	
26 05 36 00-0595 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.93	109.40
For 60 Degree Bend, Deduct	-35.92	
For 30 Degree Bend, Deduct	-65.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.48	
26 05 36 00-0596 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.14	141.60
For 60 Degree Bend, Deduct	-42.77	
For 30 Degree Bend, Deduct	-79.15	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.61	
26 05 36 00-0597 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.46	178.20
For 60 Degree Bend, Deduct	-49.97	
For 30 Degree Bend, Deduct	-93.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.99	
26 05 36 00-0598 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.97	209.19
For 60 Degree Bend, Deduct	-61.03	
For 30 Degree Bend, Deduct	-113.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.36	
26 05 36 00-0599 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	510.28	253.21
For 60 Degree Bend, Deduct	-71.32	
For 30 Degree Bend, Deduct	-132.93	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.93	
26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0601 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.72	100.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.22	
26 05 36 00-0602 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.64	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.52	
26 05 36 00-0603 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.40	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.69	
26 05 36 00-0604 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.32	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.30	
26 05 36 00-0605 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.88	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.44	
26 05 36 00-0606 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.57	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.74	
26 05 36 00-0607 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.13	228.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.33	
26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	243.02	104.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.59	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.91	120.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.06	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	295.99	133.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.46	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.77	166.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.54	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	401.96	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.15	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.82	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.76	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.10	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.71	
26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	274.89	109.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.38	
26 05 36 00-0618 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	307.07	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.16	
26 05 36 00-0619 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	333.23	141.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.52	
26 05 36 00-0620 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	402.01	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.35	
26 05 36 00-0621 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	454.77	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.73	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.12	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.66	282.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.40	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	393.41	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.29	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	426.49	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.22	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.52	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.43	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.14	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.46	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	555.52	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.29	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	603.98	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.79	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	683.69	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.64	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	462.16	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.78	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	501.05	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.00	
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	524.32	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.38	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	578.22	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.56	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	646.23	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.55	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.33	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.51	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.58	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.08	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.84	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.08	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	598.22	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.72	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	633.33	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.07	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.50	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.28	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.41	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.42	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	866.05	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.73	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	995.73	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.13	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	420.24	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.17	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	433.03	185.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.87	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.36	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.59	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	476.20	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.19	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	494.08	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.19	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	539.45	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.89	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.03	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.64	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.63	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.31	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	560.14	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.30	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.79	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.35	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	617.77	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.67	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	643.20	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.26	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	693.85	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.12	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.78	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.01	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	764.76	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.04	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.87	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.37	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.05	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.80	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.35	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.33	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	882.98	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	955.31	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.46	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,031.68	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.55	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	490.82	240.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.03	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	516.08	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.51	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	547.96	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.53	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	584.52	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.85	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.91	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.26	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.60	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.64	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.00	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.63	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.29	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.66	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.53	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.55	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	686.21	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.55	
26 05 36 00-0684 EA 18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	731.24	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.40	
26 05 36 00-0685 EA 24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	827.15	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.84	
26 05 36 00-0686 EA 30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	892.25	401.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.80	
26 05 36 00-0687 EA 36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.16	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.38	
26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689 EA 6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	744.57	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.39	
26 05 36 00-0690 EA 9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	788.52	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.12	
26 05 36 00-0691 EA 12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.16	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.10	
26 05 36 00-0692 EA 18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.28	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.05	
26 05 36 00-0693 EA 24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,053.00	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.86	
26 05 36 00-0694 EA 30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.20	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.17	
26 05 36 00-0695 EA 36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,270.43	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	531.18		240.68
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.06		
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.53		253.31
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.74		
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	594.09		267.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.15		
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.28		283.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.91		
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.33		320.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.91		
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.46		343.57
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.41		
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.62		370.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.13		
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	697.58		267.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.49		
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	732.26		283.29
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.62		
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.37		300.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.87		
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.75		320.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.25		
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.50		370.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.28		
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	992.92		401.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.87		
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.88		437.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.05		
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	853.99		300.85
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33		
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.80		320.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.55		
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.30		343.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.01		
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,040.59		370.54
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.18		
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,198.90		437.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.45		
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,310.26		480.55
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.98		
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,440.64		535.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.46		
26 05 36 00-0720		Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>			
26 05 36 00-0721		Straight Reducers <small>(26 05 36 00-0720)</small>			
26 05 36 00-0722	EA	9"-6" Reducer, Steel Cable Tray.....	178.62		74.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.69		
26 05 36 00-0723	EA	12"-9" Reducer, Steel Cable Tray.....	190.01		80.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.32		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	210.63	92.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.35	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	235.95	107.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.68	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	259.40	120.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.91	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	295.20	137.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.06	
26 05 36 00-0728 Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	213.12	92.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.60	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	238.60	107.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.93	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	264.04	120.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.38	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	266.28	120.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.62	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	296.40	137.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	304.84	141.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.72	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	314.75	145.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.34	
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	56.32	30.09
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	64.53	34.39
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	69.60	37.01
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	82.21	43.72
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	91.52	48.14
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	101.52	53.45
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	114.46	60.17
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray <small>(26 05 36 00-0001)</small>		
Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections <small>(26 05 36 00-0744)</small>		
26 05 36 00-0746 4" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	26.14	7.02
<i>For Class 12C Instead Of Class 12B, Add</i>	2.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.31	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	27.57	7.42
<i>For Class 12C Instead Of Class 12B, Add</i>	2.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.38	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	28.99	7.72
<i>For Class 12C Instead Of Class 12B, Add</i>	3.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.45	
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	32.03	8.43
<i>For Class 12C Instead Of Class 12B, Add</i>	3.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.60	
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	35.90	9.03
<i>For Class 12C Instead Of Class 12B, Add</i>	3.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.80	
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	39.02	9.63
<i>For Class 12C Instead Of Class 12B, Add</i>	4.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.95	
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	41.94	10.23
<i>For Class 12C Instead Of Class 12B, Add</i>	4.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.10	
26 05 36 00-0754 6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	24.83	7.02
<i>For Class 12C Instead Of Class 12B, Add</i>	2.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.24	
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section.....	26.18	7.42
<i>For Class 12C Instead Of Class 12B, Add</i>	2.69	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	27.53	7.72
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.38	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	30.40	8.43
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.52	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	33.99	9.03
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.70	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	36.93	9.63
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.85	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	39.68	10.23
			<i>For Class 12C Instead Of Class 12B, Add</i>	4.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.98	
26 05 36 00-0762			9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	22.74	6.72
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.14	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	23.30	7.02
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.17	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	24.76	7.42
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.24	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	26.48	7.92
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.32	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	29.00	8.23
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.45	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	31.84	8.83
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.59	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	34.08	9.63
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.50	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.70	
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.15	6.52
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.11	
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.61	6.72
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.13	
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	23.66	7.12
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.18	
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	25.05	7.52
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.50	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.25	
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	26.63	7.62
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.33	
26 05 36 00-0776	LF		30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	28.80	8.43
			<i>For Class 12C Instead Of Class 12B, Add</i>	2.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.44	
26 05 36 00-0777	LF		36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	30.75	9.13
			<i>For Class 12C Instead Of Class 12B, Add</i>	3.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.54	
26 05 36 00-0778			18" Rung Spacing <small>(26 05 36 00-0745)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	21.80	6.32
For Class 12C Instead Of Class 12B, Add	2.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.65	
For 6" Overall Height Instead Of 4-5/8", Add	1.09	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	22.06	6.62
For Class 12C Instead Of Class 12B, Add	2.21	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.66	
For 6" Overall Height Instead Of 4-5/8", Add	1.10	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	23.16	6.82
For Class 12C Instead Of Class 12B, Add	2.33	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.75	
For 6" Overall Height Instead Of 4-5/8", Add	1.16	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	24.37	7.22
For Class 12C Instead Of Class 12B, Add	2.46	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.84	
For 6" Overall Height Instead Of 4-5/8", Add	1.22	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	25.53	7.32
For Class 12C Instead Of Class 12B, Add	2.61	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.94	
For 6" Overall Height Instead Of 4-5/8", Add	1.28	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	27.08	8.02
For Class 12C Instead Of Class 12B, Add	2.73	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.04	
For 6" Overall Height Instead Of 4-5/8", Add	1.35	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	29.00	8.73
For Class 12C Instead Of Class 12B, Add	2.89	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.17	
For 6" Overall Height Instead Of 4-5/8", Add	1.45	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	227.60	100.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.38	
For 6" Overall Height Instead Of 4-5/8", Add	11.38	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	252.48	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.70	
For 6" Overall Height Instead Of 4-5/8", Add	12.62	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	283.96	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.84	
For 6" Overall Height Instead Of 4-5/8", Add	14.20	
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	340.77	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.14	
For 6" Overall Height Instead Of 4-5/8", Add	17.04	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	398.84	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.03	
For 6" Overall Height Instead Of 4-5/8", Add	19.94	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	442.15	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.50	
For 6" Overall Height Instead Of 4-5/8", Add	22.11	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	512.73	229.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.17	
For 6" Overall Height Instead Of 4-5/8", Add	25.64	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	280.70	104.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.35	
For 6" Overall Height Instead Of 4-5/8", Add	14.04	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	311.32	120.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.11	
For 6" Overall Height Instead Of 4-5/8", Add	15.57	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	339.07	133.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.77	
For 6" Overall Height Instead Of 4-5/8", Add	16.95	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	402.82	166.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.45	
For 6" Overall Height Instead Of 4-5/8", Add	20.14	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	459.26	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.88	
For 6" Overall Height Instead Of 4-5/8", Add	22.96	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	515.57	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.34	
For 6" Overall Height Instead Of 4-5/8", Add	25.78	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	592.23	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.12	
For 6" Overall Height Instead Of 4-5/8", Add	29.61	
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	299.19	109.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.81	
For 6" Overall Height Instead Of 4-5/8", Add	14.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	330.88	126.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.54	
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	369.78	141.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.49	
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	447.46	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.37	
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	518.85	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.94	
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	588.01	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.40	
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	685.47	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.27	
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	160.96	72.90
			<i>For 60 Degree Bend, Deduct</i>	-25.18	
			<i>For 30 Degree Bend, Deduct</i>	-46.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.05	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	186.69	87.44
			<i>For 60 Degree Bend, Deduct</i>	-28.10	
			<i>For 30 Degree Bend, Deduct</i>	-51.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.33	
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	209.68	100.29
			<i>For 60 Degree Bend, Deduct</i>	-30.75	
			<i>For 30 Degree Bend, Deduct</i>	-56.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.48	
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	261.35	126.75
			<i>For 60 Degree Bend, Deduct</i>	-37.67	
			<i>For 30 Degree Bend, Deduct</i>	-69.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.07	
26 05 36 00-0816	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	321.02	155.24
			<i>For 60 Degree Bend, Deduct</i>	-46.43	
			<i>For 30 Degree Bend, Deduct</i>	-86.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.05	
26 05 36 00-0817	EA		30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	368.45	178.20
			<i>For 60 Degree Bend, Deduct</i>	-53.27	
			<i>For 30 Degree Bend, Deduct</i>	-98.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.42	
26 05 36 00-0818	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	423.13	209.19
			<i>For 60 Degree Bend, Deduct</i>	-59.44	
			<i>For 30 Degree Bend, Deduct</i>	-110.68	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.16	
26 05 36 00-0819			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	178.47	75.21
			<i>For 60 Degree Bend, Deduct</i>	-30.08	
			<i>For 30 Degree Bend, Deduct</i>	-54.31	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.92	
26 05 36 00-0821	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	210.38	90.66
			<i>For 60 Degree Bend, Deduct</i>	-34.67	
			<i>For 30 Degree Bend, Deduct</i>	-62.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.52	
26 05 36 00-0822	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	235.24	104.69
			<i>For 60 Degree Bend, Deduct</i>	-37.50	
			<i>For 30 Degree Bend, Deduct</i>	-68.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.76	
26 05 36 00-0823	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	288.17	133.68
			<i>For 60 Degree Bend, Deduct</i>	-43.84	
			<i>For 30 Degree Bend, Deduct</i>	-80.50	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.41	
26 05 36 00-0824	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	352.68	166.07
			<i>For 60 Degree Bend, Deduct</i>	-52.74	
			<i>For 30 Degree Bend, Deduct</i>	-97.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	412.16	192.64
<i>For 60 Degree Bend, Deduct</i>	-62.18	
<i>For 30 Degree Bend, Deduct</i>	-114.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.61	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	477.89	229.34
<i>For 60 Degree Bend, Deduct</i>	-69.80	
<i>For 30 Degree Bend, Deduct</i>	-129.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.89	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	200.71	77.61
<i>For 60 Degree Bend, Deduct</i>	-36.50	
<i>For 30 Degree Bend, Deduct</i>	-65.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.04	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	230.01	94.26
<i>For 60 Degree Bend, Deduct</i>	-39.77	
<i>For 30 Degree Bend, Deduct</i>	-71.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.50	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	256.78	109.40
<i>For 60 Degree Bend, Deduct</i>	-42.80	
<i>For 30 Degree Bend, Deduct</i>	-77.41	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.84	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	318.12	141.60
<i>For 60 Degree Bend, Deduct</i>	-50.68	
<i>For 30 Degree Bend, Deduct</i>	-92.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.91	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	397.32	178.20
<i>For 60 Degree Bend, Deduct</i>	-62.80	
<i>For 30 Degree Bend, Deduct</i>	-114.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.87	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	455.04	209.19
<i>For 60 Degree Bend, Deduct</i>	-69.97	
<i>For 30 Degree Bend, Deduct</i>	-128.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.75	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	539.05	253.21
<i>For 60 Degree Bend, Deduct</i>	-80.81	
<i>For 30 Degree Bend, Deduct</i>	-148.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.95	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	241.75	100.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.09	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	269.62	114.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.48	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	291.07	126.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.55	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	341.47	155.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.07	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	383.86	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.19	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	425.16	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.26	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	475.20	228.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.76	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	255.06	104.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.75	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	284.67	120.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.23	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	308.98	133.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.45	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	367.60 -22.92 18.38	166.07
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	417.32 -25.68 20.87	192.64
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	466.13 -28.39 23.31	218.61
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	530.59 -31.96 26.53	253.21
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	307.01 -21.59 15.35	109.30
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	338.55 -23.30 16.93	126.65
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	371.73 -25.37 18.59	141.60
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	438.13 -28.96 21.91	178.20
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.19 -32.09 24.76	209.19
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	558.49 -35.79 27.92	240.68
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.39 -39.98 31.77	282.79
26 05 36 00-0859 12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	407.06 -24.66 20.35	192.64
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	440.39 -26.61 22.02	209.19
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	457.51 -27.53 22.88	218.61
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	512.58 -31.20 25.63	240.68
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	568.04 -34.54 28.40	267.15
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	614.63 -37.86 30.73	283.29
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	705.26 -43.80 35.26	320.70
26 05 36 00-0867 24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.41 -32.11 24.77	209.19
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	537.37 -34.63 26.87	229.34
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	560.55 -36.00 28.03	240.68
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	618.83 -39.62 30.94	267.15
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	690.47 -43.98 34.52	300.85
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	741.95 -47.47 37.10	320.70
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	934.93 -62.62 46.75	370.54



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0875				36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876	EA			6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	589.57	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.85	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.48	
26 05 36 00-0877	EA			9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	635.10	253.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.41	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.76	
26 05 36 00-0878	EA			12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	678.08	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.54	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.90	
26 05 36 00-0879	EA			18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	746.90	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.62	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.35	
26 05 36 00-0880	EA			24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	843.27	343.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.71	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.16	
26 05 36 00-0881	EA			30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	960.33	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.16	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.02	
26 05 36 00-0882	EA			36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,109.72	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.53	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.49	
26 05 36 00-0883				12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884	EA			6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	490.33	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.18	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.52	
26 05 36 00-0885	EA			9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.68	185.22
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.33	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.38	
26 05 36 00-0886	EA			12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	521.34	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.08	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.07	
26 05 36 00-0887	EA			18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	553.26	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.89	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.66	
26 05 36 00-0888	EA			24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	585.90	218.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.37	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.30	
26 05 36 00-0889	EA			30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	626.86	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.63	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.34	
26 05 36 00-0890	EA			36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	678.08	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.54	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.90	
26 05 36 00-0891				24" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892	EA			6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	648.32	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.78	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.42	
26 05 36 00-0893	EA			9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	665.82	200.56
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.87	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.29	
26 05 36 00-0894	EA			12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	684.47	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.01	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.22	
26 05 36 00-0895	EA			18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	727.83	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.67	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.39	
26 05 36 00-0896	EA			24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	755.25	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.47	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.76	
26 05 36 00-0897	EA			30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	807.88	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.52	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.39	
26 05 36 00-0898	EA			36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	896.45	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.57	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.82	
26 05 36 00-0899				36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA			6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	971.36	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.70	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.57	
26 05 36 00-0901	EA			9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	995.16	218.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.30	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.76	
26 05 36 00-0902	EA			12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,021.02	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.99	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.05	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,069.01 -85.80 53.45	253.21
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,100.33 -87.77 55.02	267.15
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,180.70 -93.00 59.04	300.85
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,259.75 -97.36 62.99	343.47
26 05 36 00-0907 12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	521.04 -32.05 26.05	240.68
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	554.68 -34.37 27.73	253.21
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	579.32 -35.67 28.97	267.15
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	634.38 -39.83 31.72	283.29
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	702.44 -43.52 35.12	320.70
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	769.90 -48.37 38.50	343.47
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	864.39 -55.56 43.22	370.54
26 05 36 00-0915 24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	675.26 -45.26 33.76	267.15
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	709.16 -47.31 35.46	283.29
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	745.49 -49.48 37.27	300.85
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	791.33 -52.41 39.57	320.70
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.84 -58.81 44.84	370.54
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	953.14 -61.89 47.66	401.12
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,049.64 -68.52 52.48	437.23
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.30 -52.16 38.62	300.85
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	803.04 -53.58 40.15	320.70
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	856.98 -57.08 42.85	343.47
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.35 -62.76 46.82	370.54
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,123.83 -75.94 56.19	437.23
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,238.34 -83.79 61.92	480.55
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,378.93 -93.28 68.95	535.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0931				12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
				EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	521.04	240.68
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.05	
				For 6" Overall Height Instead Of 4-5/8", Add	26.05	
				EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	554.82	253.31
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.37	
				For 6" Overall Height Instead Of 4-5/8", Add	27.74	
				EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	579.25	267.15
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.66	
				For 6" Overall Height Instead Of 4-5/8", Add	28.96	
				EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	634.56	283.39
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.84	
				For 6" Overall Height Instead Of 4-5/8", Add	31.73	
				EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	702.44	320.70
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.52	
				For 6" Overall Height Instead Of 4-5/8", Add	35.12	
				EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	770.16	343.57
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.38	
				For 6" Overall Height Instead Of 4-5/8", Add	38.51	
				EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	863.63	370.03
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.53	
				For 6" Overall Height Instead Of 4-5/8", Add	43.18	
26 05 36 00-0939				24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
				EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	675.26	267.15
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.26	
				For 6" Overall Height Instead Of 4-5/8", Add	33.76	
				EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	709.16	283.29
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.31	
				For 6" Overall Height Instead Of 4-5/8", Add	35.46	
				EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	745.49	300.85
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.48	
				For 6" Overall Height Instead Of 4-5/8", Add	37.27	
				EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	791.33	320.70
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.41	
				For 6" Overall Height Instead Of 4-5/8", Add	39.57	
				EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	896.84	370.54
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.81	
				For 6" Overall Height Instead Of 4-5/8", Add	44.84	
				EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	967.64	401.12
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.34	
				For 6" Overall Height Instead Of 4-5/8", Add	48.38	
				EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,065.99	437.23
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.16	
				For 6" Overall Height Instead Of 4-5/8", Add	53.30	
26 05 36 00-0947				36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
				EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	894.19	300.85
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.35	
				For 6" Overall Height Instead Of 4-5/8", Add	44.71	
				EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	943.70	320.70
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.64	
				For 6" Overall Height Instead Of 4-5/8", Add	47.19	
				EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,006.08	343.47
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.99	
				For 6" Overall Height Instead Of 4-5/8", Add	50.30	
				EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,079.83	370.54
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.11	
				For 6" Overall Height Instead Of 4-5/8", Add	53.99	
				EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,301.60	437.23
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.72	
				For 6" Overall Height Instead Of 4-5/8", Add	65.08	
				EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,435.15	480.55
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.47	
				For 6" Overall Height Instead Of 4-5/8", Add	71.76	
				EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,597.96	535.30
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.19	
				For 6" Overall Height Instead Of 4-5/8", Add	79.90	
26 05 36 00-0955				6" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0956				90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
				EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	219.02	100.59
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.52	
				For 6" Overall Height Instead Of 4-5/8", Add	10.95	
				EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	243.68	114.52
				For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.82	
				For 6" Overall Height Instead Of 4-5/8", Add	12.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959	EA	12"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	273.54	126.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.68	
26 05 36 00-0960	EA	18"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	329.05	155.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.45	
26 05 36 00-0961	EA	24"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	384.30	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.22	
26 05 36 00-0962	EA	30"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	426.74	200.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.34	
26 05 36 00-0963	EA	36"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	494.06	229.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.70	
26 05 36 00-0964			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0965	EA	6"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	265.50	104.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.28	
26 05 36 00-0966	EA	9"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	295.47	120.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.77	
26 05 36 00-0967	EA	12"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	322.47	133.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.12	
26 05 36 00-0968	EA	18"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.80	166.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.24	
26 05 36 00-0969	EA	24"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	439.51	192.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.98	
26 05 36 00-0970	EA	30"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	493.97	218.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.70	
26 05 36 00-0971	EA	36"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	567.92	253.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.40	
26 05 36 00-0972			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0973	EA	6"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	282.48	109.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
26 05 36 00-0974	EA	9"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	313.73	126.55
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.69	
26 05 36 00-0975	EA	12"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	350.68	141.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.53	
26 05 36 00-0976	EA	18"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	425.97	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.30	
26 05 36 00-0977	EA	24"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	494.54	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.73	
26 05 36 00-0978	EA	30"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	561.31	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.07	
26 05 36 00-0979	EA	36"	Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	654.87	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.74	
26 05 36 00-0980			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981	EA	6"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	155.32	72.90
			<i>For 60 Degree Bend, Deduct</i>	-23.32	
			<i>For 30 Degree Bend, Deduct</i>	-42.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.77	
26 05 36 00-0982	EA	9"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	180.83	87.44
			<i>For 60 Degree Bend, Deduct</i>	-26.17	
			<i>For 30 Degree Bend, Deduct</i>	-48.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.04	
26 05 36 00-0983	EA	12"	Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	203.61	100.29
			<i>For 60 Degree Bend, Deduct</i>	-28.75	
			<i>For 30 Degree Bend, Deduct</i>	-53.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	254.19	126.75
<i>For 60 Degree Bend, Deduct</i>	-35.30	
<i>For 30 Degree Bend, Deduct</i>	-65.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.71	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	312.12	155.24
<i>For 60 Degree Bend, Deduct</i>	-43.49	
<i>For 30 Degree Bend, Deduct</i>	-81.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.61	
26 05 36 00-0986 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.25	178.20
<i>For 60 Degree Bend, Deduct</i>	-49.90	
<i>For 30 Degree Bend, Deduct</i>	-93.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.91	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	412.49	209.19
<i>For 60 Degree Bend, Deduct</i>	-55.93	
<i>For 30 Degree Bend, Deduct</i>	-104.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.62	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	170.87	75.21
<i>For 60 Degree Bend, Deduct</i>	-27.57	
<i>For 30 Degree Bend, Deduct</i>	-50.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.54	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	201.91	90.66
<i>For 60 Degree Bend, Deduct</i>	-31.87	
<i>For 30 Degree Bend, Deduct</i>	-58.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.10	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	226.55	104.69
<i>For 60 Degree Bend, Deduct</i>	-34.64	
<i>For 30 Degree Bend, Deduct</i>	-63.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.33	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	278.84	133.68
<i>For 60 Degree Bend, Deduct</i>	-40.76	
<i>For 30 Degree Bend, Deduct</i>	-75.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.94	
26 05 36 00-0993 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	341.83	166.07
<i>For 60 Degree Bend, Deduct</i>	-49.16	
<i>For 30 Degree Bend, Deduct</i>	-91.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.09	
26 05 36 00-0994 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	399.14	192.64
<i>For 60 Degree Bend, Deduct</i>	-57.89	
<i>For 30 Degree Bend, Deduct</i>	-107.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.96	
26 05 36 00-0995 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	464.22	229.34
<i>For 60 Degree Bend, Deduct</i>	-65.29	
<i>For 30 Degree Bend, Deduct</i>	-121.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.21	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0997 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	190.51	77.61
<i>For 60 Degree Bend, Deduct</i>	-33.13	
<i>For 30 Degree Bend, Deduct</i>	-59.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.53	
26 05 36 00-0998 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	219.59	94.26
<i>For 60 Degree Bend, Deduct</i>	-36.34	
<i>For 30 Degree Bend, Deduct</i>	-65.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.98	
26 05 36 00-0999 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	246.14	109.40
<i>For 60 Degree Bend, Deduct</i>	-39.29	
<i>For 30 Degree Bend, Deduct</i>	-71.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.31	
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	306.40	141.60
<i>For 60 Degree Bend, Deduct</i>	-46.82	
<i>For 30 Degree Bend, Deduct</i>	-85.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.32	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	382.99	178.20
<i>For 60 Degree Bend, Deduct</i>	-58.07	
<i>For 30 Degree Bend, Deduct</i>	-106.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.15	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	439.84	209.19
			<i>For 60 Degree Bend, Deduct</i>	-64.95	
			<i>For 30 Degree Bend, Deduct</i>	-119.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.99	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	522.34	253.21
			<i>For 60 Degree Bend, Deduct</i>	-75.30	
			<i>For 30 Degree Bend, Deduct</i>	-139.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.12	
26 05 36 00-1004			90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	235.78	100.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.79	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	263.33	114.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.17	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	284.67	126.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.23	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	334.85	155.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.74	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	376.92	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.85	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	417.89	200.56
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.89	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	467.71	228.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.39	
26 05 36 00-1012			90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	248.60	104.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.43	
26 05 36 00-1014	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	277.94	120.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.90	
26 05 36 00-1015	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	302.09	133.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.10	
26 05 36 00-1016	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	360.33	166.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.02	
26 05 36 00-1017	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.61	192.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.48	
26 05 36 00-1018	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	458.00	218.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.90	
26 05 36 00-1019	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	521.91	253.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.10	
26 05 36 00-1020			90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1021	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	297.02	109.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.85	
26 05 36 00-1022	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	328.35	126.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.42	
26 05 36 00-1023	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	360.88	141.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.04	
26 05 36 00-1024	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	426.84	178.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.34	
26 05 36 00-1025	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	483.47	209.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.17	
26 05 36 00-1026	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	545.90	240.68
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.30	
26 05 36 00-1027	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	622.26	282.79
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1028				12" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1029	EA			6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	400.44	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.99	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.02	
26 05 36 00-1030	EA			9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	433.33	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.90	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.67	
26 05 36 00-1031	EA			12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	450.34	218.61
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.81	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.52	
26 05 36 00-1032	EA			18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	504.00	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.34	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.20	
26 05 36 00-1033	EA			24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	558.59	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.59	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.93	
26 05 36 00-1034	EA			30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	603.67	283.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.76	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.18	
26 05 36 00-1035	EA			36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	692.13	320.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.49	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.61	
26 05 36 00-1036				24" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1037	EA			6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	484.12	209.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.98	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.21	
26 05 36 00-1038	EA			9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	525.43	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.43	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.27	
26 05 36 00-1039	EA			12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	548.28	240.68
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.77	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.41	
26 05 36 00-1040	EA			18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	605.48	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.28	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.27	
26 05 36 00-1041	EA			24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	675.92	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.52	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.80	
26 05 36 00-1042	EA			30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	725.99	320.70
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.87	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.30	
26 05 36 00-1043	EA			36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	910.52	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.18	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.53	
26 05 36 00-1044				36" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1045	EA			6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	573.61	229.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.25	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.68	
26 05 36 00-1046	EA			9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	618.71	253.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.77	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.94	
26 05 36 00-1047	EA			12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	660.18	267.15
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.75	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.01	
26 05 36 00-1048	EA			18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	728.02	300.85
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.73	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.40	
26 05 36 00-1049	EA			24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	822.43	343.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.62	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.12	
26 05 36 00-1050	EA			30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	933.96	370.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.52	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.70	
26 05 36 00-1051	EA			36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,080.42	437.23
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.60	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.02	
26 05 36 00-1052				12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053	EA			6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	475.46	178.20
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.69	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.77	
26 05 36 00-1054	EA			9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	492.38	185.22
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.80	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.62	
26 05 36 00-1055	EA			12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	505.93	192.64
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.54	
				<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	537.52	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.32	
For 6" Overall Height Instead Of 4-5/8", Add	26.88	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	568.86	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.67	
For 6" Overall Height Instead Of 4-5/8", Add	28.44	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	609.49	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.89	
For 6" Overall Height Instead Of 4-5/8", Add	30.47	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	660.18	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.75	
For 6" Overall Height Instead Of 4-5/8", Add	33.01	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	623.14	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.26	
For 6" Overall Height Instead Of 4-5/8", Add	31.16	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	640.32	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.32	
For 6" Overall Height Instead Of 4-5/8", Add	32.02	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	658.64	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.43	
For 6" Overall Height Instead Of 4-5/8", Add	32.93	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	701.24	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.02	
For 6" Overall Height Instead Of 4-5/8", Add	35.06	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	728.01	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.75	
For 6" Overall Height Instead Of 4-5/8", Add	36.40	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	779.99	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.73	
For 6" Overall Height Instead Of 4-5/8", Add	39.00	
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	866.06	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.54	
For 6" Overall Height Instead Of 4-5/8", Add	43.30	
26 05 36 00-1068 36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	923.47	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.91	
For 6" Overall Height Instead Of 4-5/8", Add	46.17	
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	946.64	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.44	
For 6" Overall Height Instead Of 4-5/8", Add	47.33	
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	971.88	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.08	
For 6" Overall Height Instead Of 4-5/8", Add	48.59	
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,019.25	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.82	
For 6" Overall Height Instead Of 4-5/8", Add	50.96	
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,049.94	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.73	
For 6" Overall Height Instead Of 4-5/8", Add	52.50	
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,128.45	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.77	
For 6" Overall Height Instead Of 4-5/8", Add	56.42	
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,206.88	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.07	
For 6" Overall Height Instead Of 4-5/8", Add	60.34	
26 05 36 00-1076 12" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	511.82	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.13	
For 6" Overall Height Instead Of 4-5/8", Add	25.59	
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.48	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35	
For 6" Overall Height Instead Of 4-5/8", Add	27.22	
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.01	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.64	
For 6" Overall Height Instead Of 4-5/8", Add	28.45	
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.90	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.58	
For 6" Overall Height Instead Of 4-5/8", Add	31.10	
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	689.53	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.23	
For 6" Overall Height Instead Of 4-5/8", Add	34.48	
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	754.71	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.85	
For 6" Overall Height Instead Of 4-5/8", Add	37.74	
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	845.40	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.67	
For 6" Overall Height Instead Of 4-5/8", Add	42.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	657.57	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.49	
For 6" Overall Height Instead Of 4-5/8", Add	32.88	
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	690.92	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.49	
For 6" Overall Height Instead Of 4-5/8", Add	34.55	
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	726.71	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.60	
For 6" Overall Height Instead Of 4-5/8", Add	36.34	
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	771.58	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.43	
For 6" Overall Height Instead Of 4-5/8", Add	38.58	
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	875.35	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.66	
For 6" Overall Height Instead Of 4-5/8", Add	43.77	
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	944.64	401.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.04	
For 6" Overall Height Instead Of 4-5/8", Add	47.23	
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,040.05	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.57	
For 6" Overall Height Instead Of 4-5/8", Add	52.00	
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	751.46	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.08	
For 6" Overall Height Instead Of 4-5/8", Add	37.57	
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	795.02	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.77	
For 6" Overall Height Instead Of 4-5/8", Add	39.75	
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	848.48	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.23	
For 6" Overall Height Instead Of 4-5/8", Add	42.42	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	911.82	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.31	
For 6" Overall Height Instead Of 4-5/8", Add	45.59	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,093.44	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.90	
For 6" Overall Height Instead Of 4-5/8", Add	54.67	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,204.69	480.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.42	
For 6" Overall Height Instead Of 4-5/8", Add	60.23	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,341.49	535.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.54	
For 6" Overall Height Instead Of 4-5/8", Add	67.07	
26 05 36 00-1100 12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	511.82	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.13	
For 6" Overall Height Instead Of 4-5/8", Add	25.59	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.62	253.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35	
For 6" Overall Height Instead Of 4-5/8", Add	27.23	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	568.94	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.63	
For 6" Overall Height Instead Of 4-5/8", Add	28.45	
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	622.08	283.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.59	
For 6" Overall Height Instead Of 4-5/8", Add	31.10	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	689.53	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.23	
For 6" Overall Height Instead Of 4-5/8", Add	34.48	
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	754.97	343.57
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.87	
For 6" Overall Height Instead Of 4-5/8", Add	37.75	
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	844.64	370.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.63	
For 6" Overall Height Instead Of 4-5/8", Add	42.23	
26 05 36 00-1108 24" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	657.57	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.49	
For 6" Overall Height Instead Of 4-5/8", Add	32.88	
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	690.92	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.49	
For 6" Overall Height Instead Of 4-5/8", Add	34.55	
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	726.71	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.60	
For 6" Overall Height Instead Of 4-5/8", Add	36.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	771.58	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.43	
For 6" Overall Height Instead Of 4-5/8", Add	38.58	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	875.35	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.66	
For 6" Overall Height Instead Of 4-5/8", Add	43.77	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	944.64	401.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.04	
For 6" Overall Height Instead Of 4-5/8", Add	47.23	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,040.05	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.57	
For 6" Overall Height Instead Of 4-5/8", Add	52.00	
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	863.98	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.33	
For 6" Overall Height Instead Of 4-5/8", Add	43.20	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	912.23	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.50	
For 6" Overall Height Instead Of 4-5/8", Add	45.61	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	972.72	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.65	
For 6" Overall Height Instead Of 4-5/8", Add	48.64	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,044.27	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.55	
For 6" Overall Height Instead Of 4-5/8", Add	52.21	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,257.54	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.31	
For 6" Overall Height Instead Of 4-5/8", Add	62.88	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,386.37	480.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.59	
For 6" Overall Height Instead Of 4-5/8", Add	69.32	
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,543.67	535.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.76	
For 6" Overall Height Instead Of 4-5/8", Add	77.18	
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	210.45	100.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.67	
For 6" Overall Height Instead Of 4-5/8", Add	10.52	
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	234.89	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.94	
For 6" Overall Height Instead Of 4-5/8", Add	11.74	
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	263.12	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.76	
For 6" Overall Height Instead Of 4-5/8", Add	13.16	
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	317.33	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.80	
For 6" Overall Height Instead Of 4-5/8", Add	15.87	
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	369.75	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.12	
For 6" Overall Height Instead Of 4-5/8", Add	18.49	
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	411.32	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.42	
For 6" Overall Height Instead Of 4-5/8", Add	20.57	
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	475.39	229.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.44	
For 6" Overall Height Instead Of 4-5/8", Add	23.77	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	250.31	104.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.31	
For 6" Overall Height Instead Of 4-5/8", Add	12.52	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	279.63	120.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.94	
For 6" Overall Height Instead Of 4-5/8", Add	13.98	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	305.86	133.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.44	
For 6" Overall Height Instead Of 4-5/8", Add	15.29	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	366.79	166.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.84	
For 6" Overall Height Instead Of 4-5/8", Add	18.34	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	419.76	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.93	
For 6" Overall Height Instead Of 4-5/8", Add	20.99	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	472.38	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.02	
For 6" Overall Height Instead Of 4-5/8", Add	23.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	543.61	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.18	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	265.77	109.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.29	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	296.59	126.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.83	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	331.57	141.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.58	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	404.48	178.20
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.22	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	470.23	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.51	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	534.61	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.73	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	624.26	282.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.21	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	149.68	72.90
<i>For 60 Degree Bend, Deduct</i>	-21.46	
<i>For 30 Degree Bend, Deduct</i>	-39.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.48	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	174.97	87.44
<i>For 60 Degree Bend, Deduct</i>	-24.24	
<i>For 30 Degree Bend, Deduct</i>	-45.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.75	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	197.53	100.29
<i>For 60 Degree Bend, Deduct</i>	-26.74	
<i>For 30 Degree Bend, Deduct</i>	-50.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.88	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	247.02	126.75
<i>For 60 Degree Bend, Deduct</i>	-32.94	
<i>For 30 Degree Bend, Deduct</i>	-61.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.35	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	303.22	155.24
<i>For 60 Degree Bend, Deduct</i>	-40.56	
<i>For 30 Degree Bend, Deduct</i>	-76.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.16	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	348.05	178.20
<i>For 60 Degree Bend, Deduct</i>	-46.54	
<i>For 30 Degree Bend, Deduct</i>	-87.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.40	
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.86	209.19
<i>For 60 Degree Bend, Deduct</i>	-52.42	
<i>For 30 Degree Bend, Deduct</i>	-98.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.09	
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	163.27	75.21
<i>For 60 Degree Bend, Deduct</i>	-25.06	
<i>For 30 Degree Bend, Deduct</i>	-45.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.16	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	193.45	90.66
<i>For 60 Degree Bend, Deduct</i>	-29.08	
<i>For 30 Degree Bend, Deduct</i>	-53.51	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.67	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	217.87	104.69
<i>For 60 Degree Bend, Deduct</i>	-31.77	
<i>For 30 Degree Bend, Deduct</i>	-58.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.89	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	269.51	133.68
For 60 Degree Bend, Deduct	-37.69	
For 30 Degree Bend, Deduct	-70.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.81	
For 6" Overall Height Instead Of 4-5/8", Add	13.48	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	330.97	166.07
For 60 Degree Bend, Deduct	-45.58	
For 30 Degree Bend, Deduct	-85.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.26	
For 6" Overall Height Instead Of 4-5/8", Add	16.55	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	386.12	192.64
For 60 Degree Bend, Deduct	-53.59	
For 30 Degree Bend, Deduct	-100.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.56	
For 6" Overall Height Instead Of 4-5/8", Add	19.31	
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	450.54	229.34
For 60 Degree Bend, Deduct	-60.78	
For 30 Degree Bend, Deduct	-114.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.95	
For 6" Overall Height Instead Of 4-5/8", Add	22.53	
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	180.31	77.61
For 60 Degree Bend, Deduct	-29.76	
For 30 Degree Bend, Deduct	-53.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.57	
For 6" Overall Height Instead Of 4-5/8", Add	9.02	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	209.17	94.26
For 60 Degree Bend, Deduct	-32.90	
For 30 Degree Bend, Deduct	-60.07	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.06	
For 6" Overall Height Instead Of 4-5/8", Add	10.46	
26 05 36 00-1168 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	235.51	109.40
For 60 Degree Bend, Deduct	-35.78	
For 30 Degree Bend, Deduct	-65.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.43	
For 6" Overall Height Instead Of 4-5/8", Add	11.78	
26 05 36 00-1169 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	294.68	141.60
For 60 Degree Bend, Deduct	-42.95	
For 30 Degree Bend, Deduct	-79.45	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.66	
For 6" Overall Height Instead Of 4-5/8", Add	14.73	
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	368.67	178.20
For 60 Degree Bend, Deduct	-53.34	
For 30 Degree Bend, Deduct	-98.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.02	
For 6" Overall Height Instead Of 4-5/8", Add	18.43	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	424.65	209.19
For 60 Degree Bend, Deduct	-59.94	
For 30 Degree Bend, Deduct	-111.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.03	
For 6" Overall Height Instead Of 4-5/8", Add	21.23	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	505.63	253.21
For 60 Degree Bend, Deduct	-69.78	
For 30 Degree Bend, Deduct	-130.38	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.46	
For 6" Overall Height Instead Of 4-5/8", Add	25.28	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)		
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	226.83	100.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.33	
For 6" Overall Height Instead Of 4-5/8", Add	11.34	
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	253.89	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.84	
For 6" Overall Height Instead Of 4-5/8", Add	12.69	
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	275.06	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.95	
For 6" Overall Height Instead Of 4-5/8", Add	13.75	
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	324.92	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.56	
For 6" Overall Height Instead Of 4-5/8", Add	16.25	
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	366.50	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.80	
For 6" Overall Height Instead Of 4-5/8", Add	18.33	
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	406.98	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.98	
For 6" Overall Height Instead Of 4-5/8", Add	20.35	
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	456.47	228.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.57	
For 6" Overall Height Instead Of 4-5/8", Add	22.82	
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	238.91 -15.17 11.95	104.59
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	267.85 -16.76 13.39	120.33
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	291.76 -18.03 14.59	133.68
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	349.42 -21.11 17.47	166.07
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.05 -23.76 19.90	192.64
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	445.79 -26.36 22.29	218.61
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	508.88 -29.79 25.44	253.21
 26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	282.05 -19.10 14.10	109.30
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	313.05 -20.75 15.65	126.65
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	344.60 -22.66 17.23	141.60
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	409.91 -26.14 20.50	178.20
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	465.89 -29.16 23.29	209.19
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	527.01 -32.65 26.35	240.68
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	602.56 -36.69 30.13	282.79
 26 05 36 00-1197 12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	387.20 -22.67 19.36	192.64
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	419.22 -24.49 20.96	209.19
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.02 -25.38 21.80	218.61
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.86 -28.63 24.34	240.68
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	539.71 -31.71 26.99	267.15
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	581.74 -34.57 29.09	283.29
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	665.87 -39.86 33.29	320.70
 26 05 36 00-1205 24" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	461.55 -28.72 23.08	209.19
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	501.55 -31.05 25.08	229.34
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	523.76 -32.32 26.19	240.68
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	578.78 -35.61 28.94	267.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	646.84	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.61	
For 6" Overall Height Instead Of 4-5/8", Add	32.34	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	694.09	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.68	
For 6" Overall Height Instead Of 4-5/8", Add	34.70	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	861.68	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.29	
For 6" Overall Height Instead Of 4-5/8", Add	43.08	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	541.71	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.06	
For 6" Overall Height Instead Of 4-5/8", Add	27.09	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	585.94	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.49	
For 6" Overall Height Instead Of 4-5/8", Add	29.30	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	624.36	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.17	
For 6" Overall Height Instead Of 4-5/8", Add	31.22	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	690.25	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.95	
For 6" Overall Height Instead Of 4-5/8", Add	34.51	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	780.75	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.46	
For 6" Overall Height Instead Of 4-5/8", Add	39.04	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	881.21	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.25	
For 6" Overall Height Instead Of 4-5/8", Add	44.06	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,021.82	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.74	
For 6" Overall Height Instead Of 4-5/8", Add	51.09	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1222 EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	445.72	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.72	
For 6" Overall Height Instead Of 4-5/8", Add	22.29	
26 05 36 00-1223 EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	461.77	185.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.74	
For 6" Overall Height Instead Of 4-5/8", Add	23.09	
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	475.11	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.46	
For 6" Overall Height Instead Of 4-5/8", Add	23.76	
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	506.05	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.17	
For 6" Overall Height Instead Of 4-5/8", Add	25.30	
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	534.78	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.26	
For 6" Overall Height Instead Of 4-5/8", Add	26.74	
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	574.76	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.42	
For 6" Overall Height Instead Of 4-5/8", Add	28.74	
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	624.36	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.17	
For 6" Overall Height Instead Of 4-5/8", Add	31.22	
26 05 36 00-1229 24" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	572.78	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.23	
For 6" Overall Height Instead Of 4-5/8", Add	28.64	
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	589.31	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.22	
For 6" Overall Height Instead Of 4-5/8", Add	29.47	
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	606.98	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.26	
For 6" Overall Height Instead Of 4-5/8", Add	30.35	
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	648.06	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.70	
For 6" Overall Height Instead Of 4-5/8", Add	32.40	
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	673.53	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.30	
For 6" Overall Height Instead Of 4-5/8", Add	33.68	
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	724.21	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.16	
For 6" Overall Height Instead Of 4-5/8", Add	36.21	
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	805.29	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.46	
For 6" Overall Height Instead Of 4-5/8", Add	40.26	
26 05 36 00-1237 36" Radius Vertical Tees (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	827.67	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.33	
For 6" Overall Height Instead Of 4-5/8", Add	41.38	
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	849.60	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.74	
For 6" Overall Height Instead Of 4-5/8", Add	42.48	
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	873.60	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.25	
For 6" Overall Height Instead Of 4-5/8", Add	43.68	
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	919.72	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.87	
For 6" Overall Height Instead Of 4-5/8", Add	45.99	
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	949.16	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.65	
For 6" Overall Height Instead Of 4-5/8", Add	47.46	
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,023.94	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.32	
For 6" Overall Height Instead Of 4-5/8", Add	51.20	
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,101.13	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.49	
For 6" Overall Height Instead Of 4-5/8", Add	55.06	
26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	493.37	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.28	
For 6" Overall Height Instead Of 4-5/8", Add	24.67	
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	524.08	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.31	
For 6" Overall Height Instead Of 4-5/8", Add	26.20	
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	548.39	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.57	
For 6" Overall Height Instead Of 4-5/8", Add	27.42	
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	596.94	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.09	
For 6" Overall Height Instead Of 4-5/8", Add	29.85	
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	663.70	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.64	
For 6" Overall Height Instead Of 4-5/8", Add	33.19	
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	724.32	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.81	
For 6" Overall Height Instead Of 4-5/8", Add	36.22	
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	807.41	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.87	
For 6" Overall Height Instead Of 4-5/8", Add	40.37	
26 05 36 00-1253 24" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	622.19	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.95	
For 6" Overall Height Instead Of 4-5/8", Add	31.11	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	654.46	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.84	
For 6" Overall Height Instead Of 4-5/8", Add	32.72	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.16	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.85	
For 6" Overall Height Instead Of 4-5/8", Add	34.46	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	732.07	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.48	
For 6" Overall Height Instead Of 4-5/8", Add	36.60	
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	832.38	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.36	
For 6" Overall Height Instead Of 4-5/8", Add	41.62	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	898.62	401.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.44	
For 6" Overall Height Instead Of 4-5/8", Add	44.93	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	988.17	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.38	
For 6" Overall Height Instead Of 4-5/8", Add	49.41	
26 05 36 00-1261 36" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	709.78	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.91	
For 6" Overall Height Instead Of 4-5/8", Add	35.49	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	751.61	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.43	
For 6" Overall Height Instead Of 4-5/8", Add	37.58	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	802.46	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.63	
For 6" Overall Height Instead Of 4-5/8", Add	40.12	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	862.76	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.40	
For 6" Overall Height Instead Of 4-5/8", Add	43.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,032.67	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.83	
For 6" Overall Height Instead Of 4-5/8", Add	51.63	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,137.41	480.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.69	
For 6" Overall Height Instead Of 4-5/8", Add	56.87	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,266.60	535.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.05	
For 6" Overall Height Instead Of 4-5/8", Add	63.33	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	493.37	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.28	
For 6" Overall Height Instead Of 4-5/8", Add	24.67	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	524.08	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.31	
For 6" Overall Height Instead Of 4-5/8", Add	26.20	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	548.39	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.57	
For 6" Overall Height Instead Of 4-5/8", Add	27.42	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	596.94	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.09	
For 6" Overall Height Instead Of 4-5/8", Add	29.85	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	663.70	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.64	
For 6" Overall Height Instead Of 4-5/8", Add	33.19	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	724.32	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.81	
For 6" Overall Height Instead Of 4-5/8", Add	36.22	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	805.90	369.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.79	
For 6" Overall Height Instead Of 4-5/8", Add	40.30	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	622.19	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.95	
For 6" Overall Height Instead Of 4-5/8", Add	31.11	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	654.46	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.84	
For 6" Overall Height Instead Of 4-5/8", Add	32.72	
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.16	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.85	
For 6" Overall Height Instead Of 4-5/8", Add	34.46	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	732.07	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.48	
For 6" Overall Height Instead Of 4-5/8", Add	36.60	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	832.38	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.36	
For 6" Overall Height Instead Of 4-5/8", Add	41.62	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	898.62	401.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.44	
For 6" Overall Height Instead Of 4-5/8", Add	44.93	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	988.17	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.38	
For 6" Overall Height Instead Of 4-5/8", Add	49.41	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	803.55	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.28	
For 6" Overall Height Instead Of 4-5/8", Add	40.18	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	849.28	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.20	
For 6" Overall Height Instead Of 4-5/8", Add	42.46	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	906.00	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.98	
For 6" Overall Height Instead Of 4-5/8", Add	45.30	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	973.14	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.44	
For 6" Overall Height Instead Of 4-5/8", Add	48.66	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,169.41	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.50	
For 6" Overall Height Instead Of 4-5/8", Add	58.47	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,288.80	480.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.83	
For 6" Overall Height Instead Of 4-5/8", Add	64.44	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,435.09	535.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.90	
For 6" Overall Height Instead Of 4-5/8", Add	71.75	
26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	207.45	100.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.37	
For 6" Overall Height Instead Of 4-5/8", Add	10.37	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	231.82	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.64	
For 6" Overall Height Instead Of 4-5/8", Add	11.59	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	259.48	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.40	
For 6" Overall Height Instead Of 4-5/8", Add	12.97	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	313.22	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.39	
For 6" Overall Height Instead Of 4-5/8", Add	15.66	
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	364.66	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.61	
For 6" Overall Height Instead Of 4-5/8", Add	18.23	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	405.93	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.88	
For 6" Overall Height Instead Of 4-5/8", Add	20.30	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	468.86	229.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.78	
For 6" Overall Height Instead Of 4-5/8", Add	23.44	
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	244.99	104.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.78	
For 6" Overall Height Instead Of 4-5/8", Add	12.25	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	274.08	120.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.39	
For 6" Overall Height Instead Of 4-5/8", Add	13.70	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	300.05	133.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.86	
For 6" Overall Height Instead Of 4-5/8", Add	15.00	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	360.48	166.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.21	
For 6" Overall Height Instead Of 4-5/8", Add	18.02	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	412.85	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.24	
For 6" Overall Height Instead Of 4-5/8", Add	20.64	
26 05 36 00-1308 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	464.82	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.26	
For 6" Overall Height Instead Of 4-5/8", Add	23.24	
26 05 36 00-1309 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	535.10	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.41	
For 6" Overall Height Instead Of 4-5/8", Add	26.76	
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	259.92	109.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.88	
For 6" Overall Height Instead Of 4-5/8", Add	13.00	
26 05 36 00-1312 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	290.59	126.55
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.52	
For 6" Overall Height Instead Of 4-5/8", Add	14.53	
26 05 36 00-1313 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	324.89	141.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.69	
For 6" Overall Height Instead Of 4-5/8", Add	16.24	
26 05 36 00-1314 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	396.96	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.84	
For 6" Overall Height Instead Of 4-5/8", Add	19.85	
26 05 36 00-1315 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	461.72	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.74	
For 6" Overall Height Instead Of 4-5/8", Add	23.09	
26 05 36 00-1316 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	525.27	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.47	
For 6" Overall Height Instead Of 4-5/8", Add	26.26	
26 05 36 00-1317 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	613.55	282.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.79	
For 6" Overall Height Instead Of 4-5/8", Add	30.68	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	147.70	72.90
For 60 Degree Bend, Deduct	-20.81	
For 30 Degree Bend, Deduct	-38.72	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.70	
For 6" Overall Height Instead Of 4-5/8", Add	7.39	
26 05 36 00-1320 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	172.92	87.44
For 60 Degree Bend, Deduct	-23.56	
For 30 Degree Bend, Deduct	-44.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.01	
For 6" Overall Height Instead Of 4-5/8", Add	8.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	195.40	100.29
For 60 Degree Bend, Deduct	-26.04	
For 30 Degree Bend, Deduct	-48.97	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.18	
For 6" Overall Height Instead Of 4-5/8", Add	9.77	
26 05 36 00-1322 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	244.52	126.75
For 60 Degree Bend, Deduct	-32.11	
For 30 Degree Bend, Deduct	-60.56	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.89	
For 6" Overall Height Instead Of 4-5/8", Add	12.23	
26 05 36 00-1323 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	300.10	155.24
For 60 Degree Bend, Deduct	-39.53	
For 30 Degree Bend, Deduct	-74.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.07	
For 6" Overall Height Instead Of 4-5/8", Add	15.01	
26 05 36 00-1324 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	344.48	178.20
For 60 Degree Bend, Deduct	-45.36	
For 30 Degree Bend, Deduct	-85.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.60	
For 6" Overall Height Instead Of 4-5/8", Add	17.22	
26 05 36 00-1325 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	398.14	209.19
For 60 Degree Bend, Deduct	-51.19	
For 30 Degree Bend, Deduct	-96.94	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.38	
For 6" Overall Height Instead Of 4-5/8", Add	19.91	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	160.62	75.21
For 60 Degree Bend, Deduct	-24.19	
For 30 Degree Bend, Deduct	-44.49	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.80	
For 6" Overall Height Instead Of 4-5/8", Add	8.03	
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	190.48	90.66
For 60 Degree Bend, Deduct	-28.10	
For 30 Degree Bend, Deduct	-51.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.49	
For 6" Overall Height Instead Of 4-5/8", Add	9.52	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	214.83	104.69
For 60 Degree Bend, Deduct	-30.77	
For 30 Degree Bend, Deduct	-57.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.76	
For 6" Overall Height Instead Of 4-5/8", Add	10.74	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	266.24	133.68
For 60 Degree Bend, Deduct	-36.61	
For 30 Degree Bend, Deduct	-68.44	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.48	
For 6" Overall Height Instead Of 4-5/8", Add	13.31	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	327.18	166.07
For 60 Degree Bend, Deduct	-44.33	
For 30 Degree Bend, Deduct	-83.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.88	
For 6" Overall Height Instead Of 4-5/8", Add	16.36	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	381.56	192.64
For 60 Degree Bend, Deduct	-52.08	
For 30 Degree Bend, Deduct	-97.51	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.11	
For 6" Overall Height Instead Of 4-5/8", Add	19.08	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	445.76	229.34
For 60 Degree Bend, Deduct	-59.20	
For 30 Degree Bend, Deduct	-111.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.47	
For 6" Overall Height Instead Of 4-5/8", Add	22.29	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	176.74	77.61
For 60 Degree Bend, Deduct	-28.59	
For 30 Degree Bend, Deduct	-51.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.21	
For 6" Overall Height Instead Of 4-5/8", Add	8.84	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	205.53	94.26
For 60 Degree Bend, Deduct	-31.70	
For 30 Degree Bend, Deduct	-58.06	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.70	
For 6" Overall Height Instead Of 4-5/8", Add	10.28	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	231.79	109.40
For 60 Degree Bend, Deduct	-34.55	
For 30 Degree Bend, Deduct	-63.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.06	
For 6" Overall Height Instead Of 4-5/8", Add	11.59	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	290.57	141.60
For 60 Degree Bend, Deduct	-41.59	
For 30 Degree Bend, Deduct	-77.19	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.25	
For 6" Overall Height Instead Of 4-5/8", Add	14.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	363.65	178.20
For 60 Degree Bend, Deduct	-51.69	
For 30 Degree Bend, Deduct	-96.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.51	
For 6" Overall Height Instead Of 4-5/8", Add	18.18	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	419.33	209.19
For 60 Degree Bend, Deduct	-58.18	
For 30 Degree Bend, Deduct	-108.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.50	
For 6" Overall Height Instead Of 4-5/8", Add	20.97	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	499.78	253.21
For 60 Degree Bend, Deduct	-67.85	
For 30 Degree Bend, Deduct	-127.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.88	
For 6" Overall Height Instead Of 4-5/8", Add	24.99	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	220.86	100.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.73	
For 6" Overall Height Instead Of 4-5/8", Add	11.04	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	247.59	114.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.21	
For 6" Overall Height Instead Of 4-5/8", Add	12.38	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	268.66	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.31	
For 6" Overall Height Instead Of 4-5/8", Add	13.43	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	318.30	155.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.89	
For 6" Overall Height Instead Of 4-5/8", Add	15.92	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	359.55	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.10	
For 6" Overall Height Instead Of 4-5/8", Add	17.98	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.71	200.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.26	
For 6" Overall Height Instead Of 4-5/8", Add	19.99	
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.99	228.94
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.82	
For 6" Overall Height Instead Of 4-5/8", Add	22.45	
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	232.46	104.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.53	
For 6" Overall Height Instead Of 4-5/8", Add	11.62	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	261.12	120.33
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.08	
For 6" Overall Height Instead Of 4-5/8", Add	13.06	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	284.86	133.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.34	
For 6" Overall Height Instead Of 4-5/8", Add	14.24	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	342.15	166.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.38	
For 6" Overall Height Instead Of 4-5/8", Add	17.11	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	390.35	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.99	
For 6" Overall Height Instead Of 4-5/8", Add	19.52	
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	437.65	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.55	
For 6" Overall Height Instead Of 4-5/8", Add	21.88	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	500.20	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.92	
For 6" Overall Height Instead Of 4-5/8", Add	25.01	
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	272.06	109.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.10	
For 6" Overall Height Instead Of 4-5/8", Add	13.60	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	302.84	126.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.73	
For 6" Overall Height Instead Of 4-5/8", Add	15.14	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	333.75	141.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.57	
For 6" Overall Height Instead Of 4-5/8", Add	16.69	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	398.62	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.01	
For 6" Overall Height Instead Of 4-5/8", Add	19.93	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	454.17	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.98	
For 6" Overall Height Instead Of 4-5/8", Add	22.71	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	514.42	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.39	
For 6" Overall Height Instead Of 4-5/8", Add	25.72	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	589.43	282.79
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.38	
For 6" Overall Height Instead Of 4-5/8", Add	29.47	
26 05 36 00-1366 12" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	380.58	192.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.01	
For 6" Overall Height Instead Of 4-5/8", Add	19.03	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	412.17	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.78	
For 6" Overall Height Instead Of 4-5/8", Add	20.61	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	428.86	218.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.67	
For 6" Overall Height Instead Of 4-5/8", Add	21.44	
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.28	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.77	
For 6" Overall Height Instead Of 4-5/8", Add	23.91	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	530.27	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.76	
For 6" Overall Height Instead Of 4-5/8", Add	26.51	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	570.78	283.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.47	
For 6" Overall Height Instead Of 4-5/8", Add	28.54	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	652.74	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.55	
For 6" Overall Height Instead Of 4-5/8", Add	32.64	
26 05 36 00-1374 24" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	450.26	209.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.59	
For 6" Overall Height Instead Of 4-5/8", Add	22.51	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	489.61	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.85	
For 6" Overall Height Instead Of 4-5/8", Add	24.48	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	511.49	240.68
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.09	
For 6" Overall Height Instead Of 4-5/8", Add	25.57	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	565.43	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.28	
For 6" Overall Height Instead Of 4-5/8", Add	28.27	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	632.29	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.16	
For 6" Overall Height Instead Of 4-5/8", Add	31.61	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	678.13	320.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.09	
For 6" Overall Height Instead Of 4-5/8", Add	33.91	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	837.26	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.85	
For 6" Overall Height Instead Of 4-5/8", Add	41.86	
26 05 36 00-1382 36" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	525.75	229.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.47	
For 6" Overall Height Instead Of 4-5/8", Add	26.29	
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	569.55	253.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.85	
For 6" Overall Height Instead Of 4-5/8", Add	28.48	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	606.45	267.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.38	
For 6" Overall Height Instead Of 4-5/8", Add	30.32	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	671.36	300.85
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.07	
For 6" Overall Height Instead Of 4-5/8", Add	33.57	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	759.92	343.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.37	
For 6" Overall Height Instead Of 4-5/8", Add	38.00	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	854.84	370.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.61	
For 6" Overall Height Instead Of 4-5/8", Add	42.74	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	992.51	437.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.81	
For 6" Overall Height Instead Of 4-5/8", Add	49.63	
26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	430.86	178.20
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.23	
For 6" Overall Height Instead Of 4-5/8", Add	21.54	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	446.47	185.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.21	
For 6" Overall Height Instead Of 4-5/8", Add	22.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.70	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.99	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	490.31	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.52	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	517.74	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.89	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	557.40	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.87	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	606.45	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.32	
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	547.61	192.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.38	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	563.81	200.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.19	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	581.15	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.06	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	621.47	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.07	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	646.28	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.31	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	696.32	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.82	
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	774.90	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.75	
26 05 36 00-1406 36" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	779.77	209.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.99	
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	801.08	218.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.05	
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	824.45	229.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.22	
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	869.95	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.50	
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	898.78	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.94	
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	971.69	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.58	
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,048.25	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.41	
26 05 36 00-1414 12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	484.14	240.68
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.21	
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	513.87	253.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.69	
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	538.08	267.15
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.90	
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	584.46	283.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.22	
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	650.78	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.54	
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	709.13	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	788.42 -47.97 39.42	370.54
26 05 36 00-1422			24" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	604.50 -38.19 30.23	267.15
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.22 -40.02 31.81	283.29
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	670.39 -41.97 33.52	300.85
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	712.32 -44.50 35.62	320.70
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	810.89 -50.21 40.54	370.54
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	875.61 -54.13 43.78	401.12
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	962.23 -59.78 48.11	437.23
26 05 36 00-1430			36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	688.95 -43.82 34.45	300.85
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	729.90 -46.26 36.50	320.70
26 05 36 00-1433	EA		12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	779.45 -49.33 38.97	343.47
26 05 36 00-1434	EA		18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	838.24 -52.95 41.91	370.54
26 05 36 00-1435	EA		24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,002.28 -63.79 50.11	437.23
26 05 36 00-1436	EA		30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,103.76 -70.33 55.19	480.55
26 05 36 00-1437	EA		36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,229.16 -78.31 61.46	535.30
26 05 36 00-1438			12" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1439	EA		6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	484.14 -28.36 24.21	240.68
26 05 36 00-1440	EA		9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	514.01 -30.29 25.70	253.31
26 05 36 00-1441	EA		12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	538.01 -31.54 26.90	267.15
26 05 36 00-1442	EA		18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	584.64 -34.85 29.23	283.39
26 05 36 00-1443	EA		24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	650.78 -38.35 32.54	320.70
26 05 36 00-1444	EA		30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	709.39 -42.31 35.47	343.57
26 05 36 00-1445	EA		36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	787.66 -47.93 39.38	370.03
26 05 36 00-1446			24" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1447	EA		6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	604.50 -38.19 30.23	267.15
26 05 36 00-1448	EA		9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.22 -40.02 31.81	283.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	670.39	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.52	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	712.32	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.62	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	810.89	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.54	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	875.61	401.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.78	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	962.23	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.11	
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	773.34	300.85
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.67	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	817.81	320.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.89	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	872.63	343.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.63	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	937.57	370.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.88	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,125.35	437.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.27	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,240.02	480.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	62.00	
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,380.80	535.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.04	
26 05 36 00-1462 Dropout Or End Plates And Reducers <small>(26 05 36 00-0744)</small>		
26 05 36 00-1463 Straight Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray.....	172.22	74.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.61	
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray.....	183.49	80.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.17	
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray.....	205.20	92.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.26	
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray.....	230.40	107.00
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.52	
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray.....	253.74	120.33
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.69	
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray.....	285.59	137.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.28	
26 05 36 00-1470 Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray.....	205.29	92.56
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.26	
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray.....	230.65	107.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.53	
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray.....	253.58	120.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.68	
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray.....	254.50	120.13
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.73	
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray.....	284.51	137.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.23	
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray.....	291.62	141.09
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.58	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	301.31 -18.00 15.07	145.61
26 05 36 00-1478			Dropout Or End Plate (26 05 36 00-1462)		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray	56.60	30.09
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray	64.16	34.39
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray	69.16	37.01
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray	82.94	43.72
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray	92.01	48.14
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray	103.15	53.45
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray	115.86	60.17
26 05 36 00-1486			Solid Bottom Cable Tray (26 05 36 00-0001) Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.08 1.85	7.82
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.14 2.32	9.63
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.50 3.02	13.84
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.99 3.50	15.85
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.22 4.19	19.16
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.29 5.54	21.96
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1496	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	227.54 17.41	100.39
26 05 36 00-1497	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.93 21.90	141.19
26 05 36 00-1498	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	374.21 26.43	178.20
26 05 36 00-1499	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	458.98 32.35	218.91
26 05 36 00-1500	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	534.90 37.96	253.71
26 05 36 00-1501	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.94 42.78	283.29
26 05 36 00-1502			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1503	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	259.83 21.55	104.49
26 05 36 00-1504	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	351.03 27.56	150.52
26 05 36 00-1505	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	436.75 33.41	192.64
26 05 36 00-1506	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.16 40.31	240.68
26 05 36 00-1507	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	629.19 47.25	282.79
26 05 36 00-1508	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	711.79 53.31	320.70
26 05 36 00-1509			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1510	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	307.34 27.91	109.20
26 05 36 00-1511	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	408.92 34.55	160.75
26 05 36 00-1512	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	521.59 43.32	209.49
26 05 36 00-1513	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.18 50.30	267.15
26 05 36 00-1514	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	758.81 60.37	320.70
26 05 36 00-1515	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	867.98 68.60	369.53
26 05 36 00-1516			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1517	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	212.57 15.15	100.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	286.05 19.37	141.19
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.56 23.52	178.00
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	434.92 28.80	218.61
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.87 33.75	253.71
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	567.10 37.94	282.79
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	238.54 18.35	104.59
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	325.76 23.79	150.42
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	408.22 29.09	192.84
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.40 35.25	240.68
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	590.59 41.38	283.29
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	667.48 46.67	320.70
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	276.25 23.22	109.30
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	348.73 28.02	145.71
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	478.48 36.86	209.49
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.27 43.33	267.66
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	702.75 51.96	320.70
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	806.49 59.22	370.54
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	240.35 19.37	100.09
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	312.58 23.35	141.19
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	375.41 26.61	178.20
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.57 31.99	218.91
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	520.43 35.79	253.71
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.52 38.75	282.79
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	277.91 24.26	104.49
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	364.29 29.55	150.52
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	443.98 34.50	192.64
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	534.96 40.13	240.68
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	612.31 44.72	282.79
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	688.88 49.88	320.70
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	323.01 30.26	109.20
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	401.35 35.86	146.01
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	521.59 43.32	209.49
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	634.59 50.66	267.15
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	740.73 57.65	320.70

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	840.24 64.44	369.53
26 05 36 00-1558			12" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	405.40 28.71	192.64
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	492.12 33.77	240.27
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.65 39.88	283.29
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	695.47 46.95	344.17
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	756.15 51.67	370.54
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	887.95 60.31	437.23
26 05 36 00-1565			24" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	480.10 37.15	209.19
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	598.42 45.23	267.15
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	704.56 52.23	320.70
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	898.83 67.97	401.12
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	979.58 74.06	437.23
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,163.47 85.30	535.30
26 05 36 00-1572			36" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1573	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	588.35 50.04	229.34
26 05 36 00-1574	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	731.70 59.61	300.85
26 05 36 00-1575	EA		18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	868.28 68.49	370.54
26 05 36 00-1576	EA		24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,050.72 84.73	437.23
26 05 36 00-1577	EA		30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,153.20 92.63	482.15
26 05 36 00-1578	EA		36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,364.53 104.40	601.68
26 05 36 00-1579			12" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1580	EA		6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	459.66 36.85	192.64
26 05 36 00-1581	EA		12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	545.81 41.76	240.68
26 05 36 00-1582	EA		18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.39 44.33	267.15
26 05 36 00-1583	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.81 47.80	282.79
26 05 36 00-1584	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	706.97 52.59	320.70
26 05 36 00-1585	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	795.94 57.64	370.54
26 05 36 00-1586			24" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1587	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.65 48.18	209.19
26 05 36 00-1588	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	659.91 54.46	267.15
26 05 36 00-1589	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	726.88 58.89	300.85
26 05 36 00-1590	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	770.87 62.18	320.70
26 05 36 00-1591	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	876.72 69.76	370.54
26 05 36 00-1592	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,000.08 77.13	437.23
26 05 36 00-1593			36" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1594	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	701.11 67.01	228.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	826.96 73.90	300.85
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	922.04 81.07	343.47
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	979.21 85.13	370.54
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,150.79 99.74	437.23
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,247.09 106.97	480.55
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.40 35.25	240.68
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	581.85 40.06	283.29
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	701.39 47.97	343.47
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	813.23 55.13	401.12
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	962.54 64.28	480.55
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,069.42 71.20	535.30
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	630.58 49.98	267.66
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	740.73 57.65	320.70
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	898.83 67.97	401.12
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,098.94 84.49	482.15
26 05 36 00-1612 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,211.70 92.54	535.30
26 05 36 00-1613 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,340.41 100.78	601.68
26 05 36 00-1614 36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	802.84 70.29	300.85
26 05 36 00-1616 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	949.06 80.61	370.54
26 05 36 00-1617 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,165.26 94.44	482.15
26 05 36 00-1618 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,320.21 108.81	535.30
26 05 36 00-1619 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,467.01 119.77	601.68
26 05 36 00-1620 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,639.12 131.39	686.83
26 05 36 00-1621 Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622 EA 12"-6" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	192.79 15.55	80.23
26 05 36 00-1623 EA 18"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	211.41 16.60	90.66
26 05 36 00-1624 EA 24"-18" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	236.80 18.11	104.49
26 05 36 00-1625 EA 30"-24" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	268.08 20.16	120.33
26 05 36 00-1626 EA 36"-30" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	292.38 21.61	133.48
26 05 36 00-1627 Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628 EA 18"-6" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	211.50 16.60	90.76
26 05 36 00-1629 EA 24"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	235.95 17.95	104.69
26 05 36 00-1630 EA 30"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	265.51 19.79	120.23
26 05 36 00-1631 EA 30"-18" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	266.55 19.96	120.13
26 05 36 00-1632 EA 36"-12" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.18 21.43	133.48
26 05 36 00-1633 EA 36"-18" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	292.38 21.61	133.48

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634 EA 36"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	293.98 21.81	133.68
26 05 36 00-1635 Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636 EA 6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	62.44	30.09
26 05 36 00-1637 EA 12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	76.48	36.71
26 05 36 00-1638 EA 18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	89.00	43.52
26 05 36 00-1639 EA 24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	99.58	48.14
26 05 36 00-1640 EA 30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	110.76	53.45
26 05 36 00-1641 EA 36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	123.50	60.17
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643 LF 6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.19 1.82	6.32
26 05 36 00-1644 LF 12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.65 2.32	7.42
26 05 36 00-1645 LF 18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.35 2.94	9.63
26 05 36 00-1646 LF 24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.60 3.58	10.63
26 05 36 00-1647 LF 30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.04 4.32	13.74
26 05 36 00-1648 LF 36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.71 5.24	15.04
26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	236.71 18.78	100.39
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	288.82 22.26	126.35
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	331.35 26.12	141.50
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	386.63 30.29	166.17
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	454.90 36.09	192.84
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	514.70 40.71	218.91
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	272.98 23.53	104.49
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	340.25 28.73	133.88
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	384.19 32.56	150.42
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	462.00 39.60	178.20
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.03 45.74	208.89
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	618.18 52.62	240.68
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	328.45 31.07	109.20
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	412.11 38.19	141.80
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	476.22 44.65	160.75
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	544.16 49.57	192.34
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	635.04 57.04	229.34
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	740.79 66.67	266.74
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	221.54 16.50	100.39
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	271.63 19.68	126.35
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	310.12 22.96	141.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	361.91 26.65	165.87
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.53 31.69	192.84
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	480.68 35.72	218.31
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	251.37 20.27	104.59
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	314.26 24.86	133.68
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	355.32 28.18	150.72
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	425.71 34.15	178.20
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.46 39.55	209.49
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	570.42 45.45	240.68
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	296.48 26.25	109.30
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	372.99 32.36	141.50
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	430.38 37.77	160.75
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	495.79 42.23	192.84
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	579.41 48.69	229.34
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	677.20 56.97	267.66
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	249.28 20.71	100.09
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	296.42 23.40	126.35
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	332.44 26.28	141.50
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	379.04 29.15	166.17
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	429.94 32.35	192.84
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	475.64 34.96	218.31
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.43 26.29	104.49
26 05 36 00-1701 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	350.02 30.20	133.88
26 05 36 00-1702 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	387.45 33.05	150.42
26 05 36 00-1703 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	445.72 37.15	178.20
26 05 36 00-1704 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.56 41.02	208.89
26 05 36 00-1705 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	574.76 46.10	240.68
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	336.05 32.21	109.20
26 05 36 00-1708 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	409.93 37.86	141.80
26 05 36 00-1709 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.69 41.72	160.75
26 05 36 00-1710 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	517.03 45.50	192.34
26 05 36 00-1711 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	599.23 51.67	229.34
26 05 36 00-1712 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	670.25 56.09	266.74

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713 12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	428.44	192.64
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.17	
26 05 36 00-1715 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	494.09	218.31
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.73	
26 05 36 00-1716 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	547.63	240.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.03	
26 05 36 00-1717 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	609.98	267.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.89	
26 05 36 00-1718 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	723.39	320.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.05	
26 05 36 00-1719 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	885.60	401.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.99	
26 05 36 00-1720 24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	525.58	209.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.97	
26 05 36 00-1722 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	600.81	240.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.01	
26 05 36 00-1723 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	671.03	267.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.13	
26 05 36 00-1724 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	811.30	320.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.24	
26 05 36 00-1725 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	983.27	401.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.64	
26 05 36 00-1726 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,083.63	438.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.45	
26 05 36 00-1727 36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	669.77	229.34
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.25	
26 05 36 00-1729 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	760.02	267.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.47	
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	864.98	300.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.61	
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,039.24	369.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.29	
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,270.21	482.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	110.18	
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,413.11	535.30
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	122.75	
26 05 36 00-1734 12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	474.02	192.64
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.00	
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	520.67	218.61
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.66	
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	544.38	228.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.50	
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	574.12	240.27
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.07	
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	634.13	267.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.59	
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	734.24	320.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.68	
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	574.42	209.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.30	
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	639.88	240.68
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.87	
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	677.10	253.21
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.36	
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	722.04	267.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.78	
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	805.29	300.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.65	
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	936.14	369.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.82	
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	734.31	228.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.99	
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	808.83	263.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.34	
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	861.94	282.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	82.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	902.96 85.30	300.85
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,006.49 93.74	343.47
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	776.54 43.60	437.23
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	501.14 38.73	218.61
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	555.23 43.17	240.68
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	647.06 49.94	282.79
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	772.07 58.57	343.47
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	841.72 64.66	369.53
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	980.52 73.99	438.53
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	640.52 55.90	241.08
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	722.04 63.78	267.15
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	835.17 71.82	320.70
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,033.90 88.05	402.22
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,132.46 96.78	438.53
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,310.01 107.28	535.30
26 05 36 00-1769 36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	852.27 83.31	267.15
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	940.95 91.00	300.85
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,105.87 104.13	370.54
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,335.33 119.95	482.15
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,467.38 130.89	535.30
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,675.68 151.07	601.68
26 05 36 00-1776 Straight Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	181.97 15.83	68.80
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	202.96 17.09	80.13
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	224.92 18.63	90.66
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	254.65 20.76	104.59
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	284.89 22.71	120.13
26 05 36 00-1782 Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	201.94 16.93	80.13
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	224.10 18.48	90.86
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	252.36 20.43	104.49
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.33 20.59	104.49
26 05 36 00-1787 EA 36"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	284.89 22.71	120.13
26 05 36 00-1788 EA 36"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	285.98 22.87	120.13
26 05 36 00-1789 EA 36"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	288.47 23.21	120.33

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790			Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	63.87	30.09
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	76.69	36.71
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	91.16	43.52
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	100.69	48.14
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	112.94	53.45
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	127.96	60.17
26 05 36 00-1797			Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798			Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section.....	28.00	10.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.92	
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section.....	32.74	12.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.27	
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section.....	38.38	13.84
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.68	
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section.....	44.04	15.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.08	
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section.....	57.18	19.16
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.12	
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section.....	68.39	24.06
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.83	
26 05 36 00-1805			Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	275.40	126.75
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.98	
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	362.06	171.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.91	
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	451.98	218.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.98	
26 05 36 00-1810	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	554.09	267.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.10	
26 05 36 00-1811	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	624.80	301.45
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.36	
26 05 36 00-1812	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	715.27	344.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.84	
26 05 36 00-1813			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	317.44	133.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.61	
26 05 36 00-1815	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	417.94	185.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.36	
26 05 36 00-1816	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	533.10	240.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.25	
26 05 36 00-1817	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	650.19	300.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.95	
26 05 36 00-1818	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	689.56	310.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.06	
26 05 36 00-1819	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	867.72	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.35	
26 05 36 00-1820			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	376.99	141.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.93	
26 05 36 00-1822	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	496.70	200.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.93	
26 05 36 00-1823	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	640.48	267.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.74	
26 05 36 00-1824	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	777.56	343.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.14	
26 05 36 00-1825	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	898.91	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.46	
26 05 36 00-1826	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,057.74	480.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.73	
26 05 36 00-1827			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	261.45	126.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.58	
26 05 36 00-1829	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	345.30	171.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.24	
26 05 36 00-1830	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	432.18	218.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	529.52 -30.69	267.15
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	597.87 -34.67	301.45
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	682.82 -39.66	343.47
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	296.78 -18.54	133.68
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	393.92 -23.95	185.22
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	504.71 -30.38	241.08
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	617.46 -36.68	300.85
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	707.52 -42.07	344.17
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	823.90 -48.96	401.12
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	346.29 -22.84	141.50
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.18 -29.33	200.26
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	597.71 -37.47	267.66
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	733.73 -44.69	344.17
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	848.23 -51.40	401.12
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,003.82 -60.21	482.15
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	293.47 -18.81	126.35
26 05 36 00-1850 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	378.26 -23.53	171.48
26 05 36 00-1851 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	457.98 -27.58	218.61
26 05 36 00-1852 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	552.89 -32.98	267.66
26 05 36 00-1853 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	611.60 -36.04	301.45
26 05 36 00-1854 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	687.57 -40.14	343.47
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	341.44 -23.01	133.58
26 05 36 00-1857 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	434.74 -28.04	185.22
26 05 36 00-1858 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	540.30 -33.97	240.68
26 05 36 00-1859 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	645.39 -39.47	300.85
26 05 36 00-1860 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	734.36 -44.82	343.47
26 05 36 00-1861 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	837.72 -50.35	401.12
26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	396.19 -27.85	141.19
26 05 36 00-1864 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	505.10 -33.77	200.86
26 05 36 00-1865 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	635.68 -41.26	267.66
26 05 36 00-1866 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	775.16 -48.90	343.47
26 05 36 00-1867 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	876.12 -54.19	401.12
26 05 36 00-1868 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,031.34 -63.09	480.55

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869			12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	498.31	240.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.78	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	608.40	300.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.82	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	696.08	344.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.92	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	810.12	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.59	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	890.77	437.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.64	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	978.55	480.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.81	
26 05 36 00-1876			24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	606.07	267.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.34	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	747.56	343.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.14	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	864.12	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.99	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,055.34	480.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.49	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,168.15	535.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.21	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,307.57	601.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.62	
26 05 36 00-1883			36" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	731.78	300.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.11	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	931.31	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.70	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,090.31	482.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.85	
26 05 36 00-1887	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,348.37	601.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.70	
26 05 36 00-1888	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,515.98	690.04
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.10	
26 05 36 00-1889	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,765.48	800.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.87	
26 05 36 00-1890			12" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	563.10	240.68
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.25	
26 05 36 00-1892	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	665.79	300.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.51	
26 05 36 00-1893	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	702.53	320.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.53	
26 05 36 00-1894	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	749.96	343.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.38	
26 05 36 00-1895	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	805.87	370.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.71	
26 05 36 00-1896	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	920.77	437.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.64	
26 05 36 00-1897			24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	662.46	267.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.98	
26 05 36 00-1899	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	800.35	343.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.42	
26 05 36 00-1900	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	856.26	370.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.75	
26 05 36 00-1901	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	925.31	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.10	
26 05 36 00-1902	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	998.76	437.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.44	
26 05 36 00-1903	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,184.95	535.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.89	
26 05 36 00-1904			36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	845.97	300.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.58	
26 05 36 00-1906	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,022.50	401.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.82	
26 05 36 00-1907	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,094.75	437.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,193.49	482.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-79.17	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,342.13	535.30
For 4-5/8" Overall Height Instead Of 6", Deduct	-89.60	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,600.72	686.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-102.83	
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	626.20	300.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.55	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	699.68	344.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.28	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	808.92	401.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.47	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	948.55	480.55
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.81	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,054.59	533.40
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.01	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,188.79	601.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.74	
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	769.27	344.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-48.24	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	873.72	401.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.95	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,026.54	480.55
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.61	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,289.58	601.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-78.82	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,461.53	686.83
For 4-5/8" Overall Height Instead Of 6", Deduct	-88.91	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,669.49	800.14
For 4-5/8" Overall Height Instead Of 6", Deduct	-100.27	
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	998.50	401.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-66.42	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,150.30	482.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.85	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,356.77	601.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-85.54	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,766.61	804.36
For 4-5/8" Overall Height Instead Of 6", Deduct	-109.63	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,075.02	964.20
For 4-5/8" Overall Height Instead Of 6", Deduct	-127.15	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,509.56	1,203.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-150.68	
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray	231.37	102.49
For 4-5/8" Overall Height Instead Of 6", Deduct	-14.60	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray	253.78	114.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-15.84	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray	289.64	133.48
For 4-5/8" Overall Height Instead Of 6", Deduct	-17.84	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray	320.29	150.42
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.49	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray	350.49	165.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.24	
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray	253.78	114.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-15.84	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray	288.83	133.68
For 4-5/8" Overall Height Instead Of 6", Deduct	-17.74	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray	318.84	150.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.36	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray	319.79	150.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.47	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray	349.29	165.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.12	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray	350.49	165.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.24	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray	352.30	166.07
For 4-5/8" Overall Height Instead Of 6", Deduct	-21.39	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1946		Dropout Or End Plate <small>(26 05 36 00-1805)</small>			
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	76.13		37.01
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	90.01		43.42
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	99.27		47.94
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	111.41		53.45
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	124.05		60.07
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	146.12		71.80
26 05 36 00-1953		Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>			
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	24.52		7.82
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.80		
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	27.12		8.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.00		
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	30.34		9.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.23		
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	35.09		10.73
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.61		
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	40.01		11.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.01		
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	50.01		13.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.86		
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	56.13		16.15
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.27		
26 05 36 00-1961		Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>			
26 05 36 00-1962		90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>			
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	286.09		126.75
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.05		
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	310.77		137.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.61		
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	345.01		154.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.59		
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	387.12		171.68
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.40		
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	466.38		209.49
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.18		
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	546.10		241.08
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.52		
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	603.47		267.66
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.04		
26 05 36 00-1970		90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>			
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	331.18		133.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.99		
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	403.69		166.07
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.53		
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	455.26		185.22
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.09		
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	548.72		228.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.79		
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	635.52		266.74
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.33		
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	707.61		300.85
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.69		
26 05 36 00-1977		90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>			
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	388.43		141.19
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.07		
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	472.12		178.40
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.34		
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	533.33		200.86
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.60		
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	639.12		253.21
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.81		
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	664.02		245.38
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.95		
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	849.13		343.47
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.29		
26 05 36 00-1984		45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>			
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	269.79		126.85
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.41		
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	293.07		137.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.83		
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	325.91		154.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.68		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	364.60 -22.17	171.48
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	440.10 -26.58	209.19
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	514.35 -31.35	241.08
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	568.04 -34.54	267.15
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	307.49 -19.61	133.68
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	375.75 -23.74	166.07
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	423.41 -26.88	185.52
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	512.53 -32.14	229.34
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	595.09 -37.20	267.66
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	662.25 -41.15	300.85
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	355.21 -23.73	141.50
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	432.98 -28.46	178.00
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	489.63 -32.23	200.86
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.07 -38.07	253.71
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	671.06 -43.50	283.29
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	789.55 -50.27	344.17
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007 EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	301.84 -19.65	126.35
26 05 36 00-2008 EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	325.33 -21.10	137.28
26 05 36 00-2009 EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	355.87 -22.68	154.94
26 05 36 00-2010 EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	387.12 -24.40	171.68
26 05 36 00-2011 EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.95 -28.64	209.49
26 05 36 00-2012 EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	518.97 -31.81	241.08
26 05 36 00-2013 EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	563.59 -34.09	267.15
26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015 EA 6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.29 -23.40	133.58
26 05 36 00-2016 EA 12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	410.20 -27.18	166.07
26 05 36 00-2017 EA 18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	454.18 -29.98	185.22
26 05 36 00-2018 EA 24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	529.77 -33.87	229.34
26 05 36 00-2019 EA 30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	600.49 -37.78	267.15
26 05 36 00-2020 EA 36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	664.20 -41.35	300.85
26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022 EA 6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	387.35 -26.96	141.19
26 05 36 00-2023 EA 12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.18 -31.15	178.40
26 05 36 00-2024 EA 18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	517.05 -34.97	200.86
26 05 36 00-2025 EA 24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	619.58 -40.86	253.21
26 05 36 00-2026 EA 30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	689.19 -45.31	283.29

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027 EA 36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	795.95 -50.98	343.47
26 05 36 00-2028 12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	515.07 -31.45	240.68
26 05 36 00-2030 EA 9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	539.27 -32.82	253.21
26 05 36 00-2031 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	571.49 -34.92	266.74
26 05 36 00-2032 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	650.01 -39.88	301.45
26 05 36 00-2033 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	741.68 -45.55	343.47
26 05 36 00-2034 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	849.78 -51.55	401.12
26 05 36 00-2035 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	934.99 -57.06	437.23
26 05 36 00-2036 24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	618.93 -39.63	267.15
26 05 36 00-2038 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	697.93 -44.77	300.25
26 05 36 00-2039 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	789.44 -50.33	343.47
26 05 36 00-2040 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	938.08 -60.47	400.02
26 05 36 00-2041 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,096.57 -69.48	482.15
26 05 36 00-2042 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,234.04 -78.80	535.30
26 05 36 00-2043 36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	780.33 -52.96	300.85
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	892.54 -60.64	343.47
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.93 -64.28	335.04
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,224.23 -82.37	480.55
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,457.23 -95.38	604.10
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,665.70 -109.33	686.83
26 05 36 00-2050 12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	557.40 -35.68	240.68
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	579.43 -36.84	253.21
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	614.59 -39.19	267.15
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	642.52 -40.65	283.29
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	675.14 -42.49	300.25
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	716.88 -44.96	320.70
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	805.90 -49.79	369.53
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	666.69 -44.40	267.15
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	739.17 -48.90	300.25
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	789.59 -52.23	320.70
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	843.70 -55.75	343.47
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	909.01 -60.10	369.53
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,029.36 -66.39	438.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2065 36" Radius Vertical Tees (26 05 36 00-1961)		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	842.27	300.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.21	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	935.95	343.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.98	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	990.40	369.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.24	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,071.88	402.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.67	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,165.02	438.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.96	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,344.83	533.40
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.03	
26 05 36 00-2072 12" Radius Horizontal Crosses (26 05 36 00-1961)		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	587.46	267.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.48	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	624.07	283.29
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.80	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	658.69	301.45
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.75	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	736.26	343.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.01	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	849.09	400.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.57	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	948.07	436.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.47	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,159.16	535.30
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.31	
26 05 36 00-2080 24" Radius Horizontal Crosses (26 05 36 00-1961)		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	757.45	301.45
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.62	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	851.30	343.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.51	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	967.38	400.02
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.40	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,148.26	480.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.78	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,263.43	533.40
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.89	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,568.03	686.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-99.56	
26 05 36 00-2087 36" Radius Horizontal Crosses (26 05 36 00-1961)		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	990.21	343.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.40	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,115.29	402.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.01	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,283.92	480.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.34	
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,565.76	604.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-106.23	
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,757.78	690.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-118.28	
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,038.96	800.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-137.22	
26 05 36 00-2094 Straight Reducers (26 05 36 00-1961)		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	203.24	80.23
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.64	
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	213.55	84.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.31	
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	245.17	100.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.17	
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	274.22	114.42
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.89	
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	308.58	133.68
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.72	
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	339.19	150.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.41	
26 05 36 00-2101 Reducers (26 05 36 00-1961)		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	213.32	84.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.30	
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	245.05	100.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.16	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	245.05	100.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.16	
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	274.36	114.52
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.90	
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	274.36	114.52
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.90	
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	274.65	114.62
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.91	
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	310.56	133.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.92	
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	308.19	133.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.70	
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	339.19	150.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.41	
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	339.19	150.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.41	
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	339.69	150.42
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.43	
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	75.89	37.01
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	82.80	40.41
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	89.13	43.42
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	100.13	47.94
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	113.57	53.45
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	126.22	60.07
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	144.48	68.80
26 05 36 00-2121 Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	6.84	1.80
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	8.19	2.10
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	9.59	2.40
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	12.96	3.21
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	16.59	4.31
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	20.18	5.32
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	113.39	60.27
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	38.94	6.42
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	43.73	7.52
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	47.81	8.93
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	64.64	11.43
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	79.48	14.54
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	95.22	16.15
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	114.92	19.26
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	58.61	7.12
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	61.83	8.33
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	70.15	10.03
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	87.15	12.73
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	107.17	16.05
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	136.43	18.45
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	158.90	21.86
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	81.69	8.02
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	91.03	9.23
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	99.48	11.43
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	125.47	13.33
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	153.24	18.55
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	180.07	20.96
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	210.42	24.06
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	30.79	6.42
<i>For 60 Degree Bend, Deduct</i>	-7.69	
<i>For 30 Degree Bend, Deduct</i>	-13.17	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	36.53	7.52
<i>For 60 Degree Bend, Deduct</i>	-9.17	
<i>For 30 Degree Bend, Deduct</i>	-15.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	41.21 -10.19 -17.48	8.93
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	50.01 -12.32 -21.13	10.93
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	58.34 -14.39 -24.69	12.63
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	68.10 -16.88 -28.95	14.54
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	75.94 -18.91 -32.40	16.05
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	41.23 -10.89 -18.54	7.12
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	46.84 -12.27 -20.92	8.33
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	53.96 -13.95 -23.81	10.03
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	62.69 -16.07 -27.45	12.03
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	72.15 -18.53 -31.65	13.74
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	89.20 -23.27 -39.68	16.05
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	99.28 -25.66 -43.79	18.55
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	55.93 -15.39 -26.10	8.02
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	63.43 -17.38 -29.48	9.23
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	71.82 -19.32 -32.84	11.43
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	81.77 -22.11 -37.56	12.73
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	99.70 -26.94 -45.77	15.54
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	111.28 -29.62 -50.39	18.55
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	130.64 -35.42 -60.14	20.06
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	34.23	6.42
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	36.53	7.52
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	40.61	8.93
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	47.64	10.93
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	53.59	14.14
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.83	16.15
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	74.66	19.26
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	40.62	7.12
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	45.64	8.33
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	49.76	10.03
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	63.85	12.03
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	75.06	15.54
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	86.64	18.55
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	100.10	21.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	46.90	8.02
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	58.04	9.23
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	67.08	11.43
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	81.77	12.73
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	96.83	17.75
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	115.28	20.96
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	134.83	24.06
26 05 36 00-2203 12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	60.05	10.43
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	63.85	12.03
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	72.70	14.14
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	86.80	16.05
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	106.48	18.55
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	133.28	26.68
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	160.16	31.99
26 05 36 00-2211 24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	85.42	10.93
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	97.96	12.73
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	104.24	15.04
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	130.66	17.25
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	189.32	20.06
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	227.76	30.09
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	257.25	37.01
26 05 36 00-2219 36" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	140.25	11.43
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	145.85	13.33
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	163.55	16.05
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	191.72	18.55
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	247.69	21.86
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	286.62	34.49
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	333.08	43.62
26 05 36 00-2227 12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	87.15	14.14
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	92.26	15.04
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	101.80	16.05
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	119.68	18.55
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	152.44	26.68
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	176.90	31.99
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	201.25	34.39
26 05 36 00-2235 24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	146.29	15.04
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	158.76	16.05
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	170.25	17.25
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	202.52	20.06
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	256.52	30.09
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	294.36	37.01
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	328.28	40.01
26 05 36 00-2243 36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	229.55	16.05
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	238.66	17.25
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	251.71	18.55
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	290.88	21.86
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	381.37	34.39
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	420.99	43.82
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	452.19	48.14
26 05 36 00-2251 Reducers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers	39.54	7.52
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers	43.04	8.93
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers	43.04	8.93
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers	48.23	10.93
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers	48.23	10.93
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers	58.46	12.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	62.06	12.03
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	61.34	13.74
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	64.94	13.74
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	67.33	13.74
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	70.61	15.04
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	71.81	15.04
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	73.01	15.04
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	73.61	15.04
26 05 36 00-2266 Aluminum Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2267 Ventilated Straight Sections <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	6.37	1.80
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	7.53	2.10
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	8.79	2.40
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	11.69	3.21
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	15.21	4.31
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	17.64	5.32
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	109.77	60.27
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	35.70	6.42
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	38.58	7.52
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	43.03	8.93
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	55.95	11.43
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	70.96	14.54
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	82.72	16.15
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	100.50	19.26
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	46.01	7.12
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	56.17	8.33
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	63.43	10.03
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	76.51	12.73
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	95.15	16.05
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	114.41	18.45
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	139.61	21.86
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	71.91	8.02
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	79.47	9.23
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	91.80	11.43
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	109.10	13.33
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	136.12	18.55
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	156.44	20.96
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	182.21	24.06
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	29.20	6.42
<i>For 60 Degree Bend, Deduct</i>	-7.16	
<i>For 30 Degree Bend, Deduct</i>	-12.30	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	31.52	7.52
<i>For 60 Degree Bend, Deduct</i>	-7.52	
<i>For 30 Degree Bend, Deduct</i>	-12.95	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	36.08	8.93
<i>For 60 Degree Bend, Deduct</i>	-8.50	
<i>For 30 Degree Bend, Deduct</i>	-14.66	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	42.63	10.93
<i>For 60 Degree Bend, Deduct</i>	-9.88	
<i>For 30 Degree Bend, Deduct</i>	-17.07	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	48.27	12.63
<i>For 60 Degree Bend, Deduct</i>	-11.07	
<i>For 30 Degree Bend, Deduct</i>	-19.15	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	58.50	14.54
<i>For 60 Degree Bend, Deduct</i>	-13.71	
<i>For 30 Degree Bend, Deduct</i>	-23.67	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	67.99	16.05
<i>For 60 Degree Bend, Deduct</i>	-16.28	
<i>For 30 Degree Bend, Deduct</i>	-28.03	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	33.26	7.12
<i>For 60 Degree Bend, Deduct</i>	-8.25	
<i>For 30 Degree Bend, Deduct</i>	-14.15	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	40.97	8.33
For 60 Degree Bend, Deduct	-10.34	
For 30 Degree Bend, Deduct	-17.69	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	44.98	10.03
For 60 Degree Bend, Deduct	-10.99	
For 30 Degree Bend, Deduct	-18.87	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	54.28	12.03
For 60 Degree Bend, Deduct	-13.29	
For 30 Degree Bend, Deduct	-22.82	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	65.29	13.74
For 60 Degree Bend, Deduct	-16.26	
For 30 Degree Bend, Deduct	-27.87	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	75.65	16.05
For 60 Degree Bend, Deduct	-18.80	
For 30 Degree Bend, Deduct	-32.22	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	87.32	18.55
For 60 Degree Bend, Deduct	-21.71	
For 30 Degree Bend, Deduct	-37.21	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2316 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	50.23	8.02
For 60 Degree Bend, Deduct	-13.51	
For 30 Degree Bend, Deduct	-22.96	
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	55.60	9.23
For 60 Degree Bend, Deduct	-14.80	
For 30 Degree Bend, Deduct	-25.18	
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	61.36	11.43
For 60 Degree Bend, Deduct	-15.87	
For 30 Degree Bend, Deduct	-27.09	
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	72.19	12.73
For 60 Degree Bend, Deduct	-18.95	
For 30 Degree Bend, Deduct	-32.29	
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	87.77	15.54
For 60 Degree Bend, Deduct	-23.00	
For 30 Degree Bend, Deduct	-39.21	
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	101.43	18.55
For 60 Degree Bend, Deduct	-26.37	
For 30 Degree Bend, Deduct	-44.98	
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	113.76	20.06
For 60 Degree Bend, Deduct	-29.85	
For 30 Degree Bend, Deduct	-50.86	
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	31.98	6.42
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	33.96	7.52
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	38.14	8.93
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	45.37	10.93
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	51.81	14.14
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	55.59	16.15
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover.....	66.79	19.26
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	36.24	7.12
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	40.43	8.33
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	45.52	10.03
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	54.79	12.03
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	63.85	15.54
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	79.69	18.55
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover.....	89.69	21.86
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	41.52	8.02
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	50.17	9.23
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	59.25	11.43
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	70.02	12.73
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	87.16	17.75
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	107.60	20.96
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover.....	118.18	24.06
26 05 36 00-2347 12" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	52.18	10.43
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	56.96	12.03
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	64.75	14.14
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	75.65	16.05
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	92.75	18.55
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	117.20	26.68
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover.....	141.28	31.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2355			24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
		EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	74.66	10.93
		EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	84.12	12.73
		EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	95.59	15.04
		EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	111.15	17.25
		EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	164.66	20.06
		EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	195.61	30.09
		EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover.....	223.38	37.01
26 05 36 00-2363			36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
		EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	122.16	11.43
		EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	127.53	13.33
		EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	142.89	16.05
		EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	162.26	18.55
		EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	203.64	21.86
		EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	245.20	34.49
		EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover.....	284.34	43.62
26 05 36 00-2371			12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
		EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	76.74	14.14
		EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	81.50	15.04
		EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	89.76	16.05
		EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	106.86	18.55
		EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	132.36	26.68
		EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	157.50	31.99
		EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover.....	177.74	34.39
26 05 36 00-2379			24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
		EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	129.29	15.04
		EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	138.56	16.05
		EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	149.14	17.25
		EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	173.34	20.06
		EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	217.27	30.09
		EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	256.94	37.01
		EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	278.34	40.01
26 05 36 00-2387			36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
		EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	193.90	16.05
		EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	203.41	17.25
		EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	218.69	18.55
		EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	242.71	21.86
		EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	312.45	34.39
		EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	366.06	43.82
		EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	400.39	48.14
26 05 36 00-2395			Reducers <small>(26 05 36 00-2266)</small>		
		EA	9"-6" Reducer, Aluminum Cable Tray Covers.....	39.13	7.52
		EA	12"-6" Reducer, Aluminum Cable Tray Covers.....	42.51	8.93
		EA	12"-9" Reducer, Aluminum Cable Tray Covers.....	42.51	8.93
		EA	18"-6" Reducer, Aluminum Cable Tray Covers.....	48.62	10.93
		EA	18"-12" Reducer, Aluminum Cable Tray Covers.....	48.61	10.93
		EA	24"-12" Reducer, Aluminum Cable Tray Covers.....	53.70	12.03
		EA	24"-18" Reducer, Aluminum Cable Tray Covers.....	58.00	12.03
		EA	30"-12" Reducer, Aluminum Cable Tray Covers.....	62.01	13.74
		EA	30"-18" Reducer, Aluminum Cable Tray Covers.....	63.62	13.74
		EA	30"-24" Reducer, Aluminum Cable Tray Covers.....	64.74	13.74
		EA	36"-12" Reducer, Aluminum Cable Tray Covers.....	68.43	15.04
		EA	36"-18" Reducer, Aluminum Cable Tray Covers.....	69.52	15.04
		EA	36"-24" Reducer, Aluminum Cable Tray Covers.....	70.06	15.04
		EA	36"-30" Reducer, Aluminum Cable Tray Covers.....	70.60	15.04
26 05 36 00-2410			Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411			Straight Dividers <small>(26 05 36 00-2410)</small>		
		LF	3" Deep Galvanized Steel Divider Strip, Straight.....	7.31	2.40
		LF	4" Deep Galvanized Steel Divider Strip, Straight.....	8.50	2.60
		LF	6" Deep Galvanized Steel Divider Strip, Straight.....	10.36	3.01
26 05 36 00-2415			3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
		EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	44.88	17.25
		EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	50.02	17.85

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	52.49	18.55
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	59.09	19.26
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	56.69	19.26
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	60.99	20.06
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	69.69	20.96
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	83.90	21.86
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	69.51	21.86
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	76.60	22.96
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	85.10	24.06
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	104.61	25.37
26 05 36 00-2428 4" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	50.32	17.85
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	54.89	18.55
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	59.09	19.26
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	66.39	20.06
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	66.39	20.06
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	76.29	20.96
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	83.30	21.86
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	100.59	22.96
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	73.29	20.96
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	80.30	21.86
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	93.39	22.96
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	115.10	24.06
26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	55.89	20.06
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	60.09	20.96
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	65.31	21.86
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	74.20	22.96
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	67.89	20.96
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	77.91	21.86
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	85.59	22.96
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	102.50	24.06
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	74.91	21.86
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	85.59	22.96
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	102.50	24.06
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	122.61	25.37
26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	47.36	14.54
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	52.58	16.05
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	62.68	17.85
26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)		
26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	6.79	2.30
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	7.90	2.50
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	9.55	2.81
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	40.11	16.65
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	43.33	17.25
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	46.83	17.85
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	52.60	18.55
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	51.51	18.55
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	55.97	19.26
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	63.24	20.06
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	75.59	20.96
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	66.36	20.96
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	77.21	21.86
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	90.84	22.96
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	109.03	24.06
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	46.21	17.25
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	50.03	17.85
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	54.22	18.55
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	59.76	19.26
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	59.22	19.26
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	67.03	20.06
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	74.50	20.96
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	90.77	21.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	75.72	20.06
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	89.15	20.96
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	102.71	21.86
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	121.77	22.96
26 05 36 00-2489 6" Deep Vertical Dividers <small>(26 05 36 00-2489)</small>		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray.....	51.30	19.26
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray.....	56.18	20.06
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray.....	58.77	20.96
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray.....	64.73	21.86
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray.....	61.61	20.06
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	73.42	20.96
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	78.84	21.86
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	95.72	22.96
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	77.76	20.96
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	94.03	21.86
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	106.03	22.96
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	121.51	24.06
26 05 36 00-2502 Horizontal Dividers <small>(26 05 36 00-2498)</small>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	42.71	13.74
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	46.78	15.04
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	56.44	16.65
26 05 36 00-2506 Wall Brackets <small>(26 05 36 00-0001)</small>		
26 05 36 00-2507 Wall Brackets <small>(26 05 36 00-2506)</small>		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket.....	51.46	20.06
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket.....	53.48	20.96
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket.....	57.68	21.86
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket.....	60.92	22.96
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket.....	65.41	24.06
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket.....	74.74	25.37
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket.....	86.43	27.08
26 05 36 00-2515 Fiberglass Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray <small>(26 05 36 00-2515)</small>		
Note: Excludes hangers and support system.		
26 05 36 00-2517 Straight Tray Sections <small>(26 05 36 00-2516)</small>		
26 05 36 00-2518 LF 6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	8.04	2.70
For 9" Rung Spacing, Add	0.14	
For 6" Rung Spacing, Add	0.60	
For 4" Rung Spacing, Add	1.11	
For 18" Rung Spacing, Deduct	-0.10	
For Solid Bottom, Add	1.81	
For Vented Trough Bottom, Add	2.11	
26 05 36 00-2519 LF 9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.17	3.31
For 9" Rung Spacing, Add	0.15	
For 6" Rung Spacing, Add	0.62	
For 4" Rung Spacing, Add	1.14	
For 18" Rung Spacing, Deduct	-0.10	
For Solid Bottom, Add	2.00	
For Vented Trough Bottom, Add	2.29	
26 05 36 00-2520 LF 12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	10.30	4.01
For 9" Rung Spacing, Add	0.15	
For 6" Rung Spacing, Add	0.64	
For 4" Rung Spacing, Add	1.18	
For 18" Rung Spacing, Deduct	-0.11	
For Solid Bottom, Add	2.19	
For Vented Trough Bottom, Add	2.46	
26 05 36 00-2521 LF 18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	12.62	5.32
For 9" Rung Spacing, Add	0.16	
For 6" Rung Spacing, Add	0.69	
For 4" Rung Spacing, Add	1.27	
For 18" Rung Spacing, Deduct	-0.12	
For Solid Bottom, Add	2.58	
For Vented Trough Bottom, Add	2.84	
26 05 36 00-2522 LF 24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.94	6.72
For 9" Rung Spacing, Add	0.17	
For 6" Rung Spacing, Add	0.74	
For 4" Rung Spacing, Add	1.35	
For 18" Rung Spacing, Deduct	-0.12	
For Solid Bottom, Add	2.98	
For Vented Trough Bottom, Add	3.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2523 LF 30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	16.35	7.32
For 9" Rung Spacing, Add	0.19	
For 6" Rung Spacing, Add	0.80	
For 4" Rung Spacing, Add	1.46	
For 18" Rung Spacing, Deduct	-0.13	
For Solid Bottom, Add	3.25	
For Vented Trough Bottom, Add	3.51	
26 05 36 00-2524 LF 36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	17.79	8.02
For 9" Rung Spacing, Add	0.20	
For 6" Rung Spacing, Add	0.86	
For 4" Rung Spacing, Add	1.58	
For 18" Rung Spacing, Deduct	-0.14	
For Solid Bottom, Add	3.53	
For Vented Trough Bottom, Add	3.81	
26 05 36 00-2525 90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	46.39	20.06
For 9" Rung Spacing, Add	0.57	
For 6" Rung Spacing, Add	2.45	
For 4" Rung Spacing, Add	4.48	
For 18" Rung Spacing, Deduct	-0.41	
For Solid Bottom, Add	9.40	
For Vented Trough Bottom, Add	10.28	
For 60 Degree Bend, Deduct	-8.39	
For 45 Degree Bend, Deduct	-11.69	
For 30 Degree Bend, Deduct	-14.98	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	52.32	23.36
For 9" Rung Spacing, Add	0.60	
For 6" Rung Spacing, Add	2.58	
For 4" Rung Spacing, Add	4.74	
For 18" Rung Spacing, Deduct	-0.43	
For Solid Bottom, Add	10.43	
For Vented Trough Bottom, Add	11.28	
For 60 Degree Bend, Deduct	-9.19	
For 45 Degree Bend, Deduct	-12.84	
For 30 Degree Bend, Deduct	-16.49	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	62.28	29.38
For 9" Rung Spacing, Add	0.64	
For 6" Rung Spacing, Add	2.72	
For 4" Rung Spacing, Add	4.99	
For 18" Rung Spacing, Deduct	-0.45	
For Solid Bottom, Add	12.07	
For Vented Trough Bottom, Add	12.78	
For 60 Degree Bend, Deduct	-10.40	
For 45 Degree Bend, Deduct	-14.61	
For 30 Degree Bend, Deduct	-18.81	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	74.01	35.50
For 9" Rung Spacing, Add	0.73	
For 6" Rung Spacing, Add	3.13	
For 4" Rung Spacing, Add	5.74	
For 18" Rung Spacing, Deduct	-0.52	
For Solid Bottom, Add	14.23	
For Vented Trough Bottom, Add	14.99	
For 60 Degree Bend, Deduct	-12.20	
For 45 Degree Bend, Deduct	-17.15	
For 30 Degree Bend, Deduct	-22.10	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	84.11	40.82
For 9" Rung Spacing, Add	0.80	
For 6" Rung Spacing, Add	3.44	
For 4" Rung Spacing, Add	6.31	
For 18" Rung Spacing, Deduct	-0.57	
For Solid Bottom, Add	16.06	
For Vented Trough Bottom, Add	16.82	
For 60 Degree Bend, Deduct	-13.69	
For 45 Degree Bend, Deduct	-19.27	
For 30 Degree Bend, Deduct	-24.85	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	91.54	43.52
For 9" Rung Spacing, Add	0.92	
For 6" Rung Spacing, Add	3.95	
For 4" Rung Spacing, Add	7.25	
For 18" Rung Spacing, Deduct	-0.66	
For Solid Bottom, Add	17.69	
For Vented Trough Bottom, Add	18.69	
For 60 Degree Bend, Deduct	-15.22	
For 45 Degree Bend, Deduct	-21.38	
For 30 Degree Bend, Deduct	-27.53	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	100.48	46.83
For 9" Rung Spacing, Add	1.06	
For 6" Rung Spacing, Add	4.54	
For 4" Rung Spacing, Add	8.33	
For 18" Rung Spacing, Deduct	-0.76	
For Solid Bottom, Add	19.61	
For Vented Trough Bottom, Add	20.89	
For 60 Degree Bend, Deduct	-17.01	
For 45 Degree Bend, Deduct	-23.85	
For 30 Degree Bend, Deduct	-30.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533 Inside Or Outside Vertical Risers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	63.41	20.06
For 9" Rung Spacing, Add	1.17	
For 6" Rung Spacing, Add	5.00	
For 4" Rung Spacing, Add	9.16	
For 18" Rung Spacing, Deduct	-0.83	
For Solid Bottom, Add	14.51	
For Vented Trough Bottom, Add	17.09	
For 60 Degree Bend, Deduct	-14.00	
For 45 Degree Bend, Deduct	-19.17	
For 30 Degree Bend, Deduct	-24.34	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	68.88	23.36
For 9" Rung Spacing, Add	1.18	
For 6" Rung Spacing, Add	5.07	
For 4" Rung Spacing, Add	9.29	
For 18" Rung Spacing, Deduct	-0.84	
For Solid Bottom, Add	15.40	
For Vented Trough Bottom, Add	17.90	
For 60 Degree Bend, Deduct	-14.66	
For 45 Degree Bend, Deduct	-20.13	
For 30 Degree Bend, Deduct	-25.60	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	78.37	29.38
For 9" Rung Spacing, Add	1.20	
For 6" Rung Spacing, Add	5.14	
For 4" Rung Spacing, Add	9.42	
For 18" Rung Spacing, Deduct	-0.86	
For Solid Bottom, Add	16.89	
For Vented Trough Bottom, Add	19.22	
For 60 Degree Bend, Deduct	-15.71	
For 45 Degree Bend, Deduct	-21.69	
For 30 Degree Bend, Deduct	-27.66	
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	88.44	35.50
For 9" Rung Spacing, Add	1.24	
For 6" Rung Spacing, Add	5.29	
For 4" Rung Spacing, Add	9.70	
For 18" Rung Spacing, Deduct	-0.88	
For Solid Bottom, Add	18.56	
For Vented Trough Bottom, Add	20.76	
For 60 Degree Bend, Deduct	-16.96	
For 45 Degree Bend, Deduct	-23.50	
For 30 Degree Bend, Deduct	-30.04	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	97.39	40.82
For 9" Rung Spacing, Add	1.27	
For 6" Rung Spacing, Add	5.43	
For 4" Rung Spacing, Add	9.96	
For 18" Rung Spacing, Deduct	-0.91	
For Solid Bottom, Add	20.04	
For Vented Trough Bottom, Add	22.13	
For 60 Degree Bend, Deduct	-18.07	
For 45 Degree Bend, Deduct	-25.11	
For 30 Degree Bend, Deduct	-32.16	
26 05 36 00-2539 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	102.34	43.52
For 9" Rung Spacing, Add	1.30	
For 6" Rung Spacing, Add	5.57	
For 4" Rung Spacing, Add	10.22	
For 18" Rung Spacing, Deduct	-0.93	
For Solid Bottom, Add	20.93	
For Vented Trough Bottom, Add	23.01	
For 60 Degree Bend, Deduct	-18.78	
For 45 Degree Bend, Deduct	-26.13	
For 30 Degree Bend, Deduct	-33.47	
26 05 36 00-2540 EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	111.25	46.83
For 9" Rung Spacing, Add	1.44	
For 6" Rung Spacing, Add	6.16	
For 4" Rung Spacing, Add	11.29	
For 18" Rung Spacing, Deduct	-1.03	
For Solid Bottom, Add	22.85	
For Vented Trough Bottom, Add	25.20	
For 60 Degree Bend, Deduct	-20.57	
For 45 Degree Bend, Deduct	-28.59	
For 30 Degree Bend, Deduct	-36.62	
26 05 36 00-2541 Horizontal Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542 EA 6" Horizontal Tee, Fiberglass Cable Tray	103.96	50.14
For 9" Rung Spacing, Add	1.01	
For 6" Rung Spacing, Add	4.31	
For 4" Rung Spacing, Add	7.91	
For 18" Rung Spacing, Deduct	-0.72	
For Solid Bottom, Add	19.91	
For Vented Trough Bottom, Add	20.90	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543 EA 9" Horizontal Tee, Fiberglass Cable Tray	118.14	58.87
For 9" Rung Spacing, Add	1.05	
For 6" Rung Spacing, Add	4.48	
For 4" Rung Spacing, Add	8.22	
For 18" Rung Spacing, Deduct	-0.75	
For Solid Bottom, Add	22.20	
For Vented Trough Bottom, Add	22.99	
26 05 36 00-2544 EA 12" Horizontal Tee, Fiberglass Cable Tray	136.32	70.20
For 9" Rung Spacing, Add	1.09	
For 6" Rung Spacing, Add	4.65	
For 4" Rung Spacing, Add	8.53	
For 18" Rung Spacing, Deduct	-0.78	
For Solid Bottom, Add	25.10	
For Vented Trough Bottom, Add	25.57	
26 05 36 00-2545 EA 18" Horizontal Tee, Fiberglass Cable Tray	152.48	78.93
For 9" Rung Spacing, Add	1.20	
For 6" Rung Spacing, Add	5.12	
For 4" Rung Spacing, Add	9.39	
For 18" Rung Spacing, Deduct	-0.85	
For Solid Bottom, Add	27.99	
For Vented Trough Bottom, Add	28.45	
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	159.99	82.23
For 9" Rung Spacing, Add	1.28	
For 6" Rung Spacing, Add	5.50	
For 4" Rung Spacing, Add	10.08	
For 18" Rung Spacing, Deduct	-0.92	
For Solid Bottom, Add	29.49	
For Vented Trough Bottom, Add	30.07	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	170.84	86.94
For 9" Rung Spacing, Add	1.42	
For 6" Rung Spacing, Add	6.07	
For 4" Rung Spacing, Add	11.13	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	31.70	
For Vented Trough Bottom, Add	32.49	
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	185.12	93.66
For 9" Rung Spacing, Add	1.57	
For 6" Rung Spacing, Add	6.71	
For 4" Rung Spacing, Add	12.30	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	34.48	
For Vented Trough Bottom, Add	35.44	
26 05 36 00-2549 Horizontal Crosses (26 05 36 00-2516)		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	167.21	86.94
For 9" Rung Spacing, Add	1.29	
For 6" Rung Spacing, Add	5.53	
For 4" Rung Spacing, Add	10.13	
For 18" Rung Spacing, Deduct	-0.92	
For Solid Bottom, Add	30.61	
For Vented Trough Bottom, Add	31.04	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	178.33	93.66
For 9" Rung Spacing, Add	1.33	
For 6" Rung Spacing, Add	5.69	
For 4" Rung Spacing, Add	10.43	
For 18" Rung Spacing, Deduct	-0.95	
For Solid Bottom, Add	32.44	
For Vented Trough Bottom, Add	32.72	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	189.46	100.39
For 9" Rung Spacing, Add	1.37	
For 6" Rung Spacing, Add	5.85	
For 4" Rung Spacing, Add	10.73	
For 18" Rung Spacing, Deduct	-0.98	
For Solid Bottom, Add	34.27	
For Vented Trough Bottom, Add	34.42	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	202.59	107.00
For 9" Rung Spacing, Add	1.47	
For 6" Rung Spacing, Add	6.32	
For 4" Rung Spacing, Add	11.59	
For 18" Rung Spacing, Deduct	-1.05	
For Solid Bottom, Add	36.71	
For Vented Trough Bottom, Add	36.91	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	215.01	113.72
For 9" Rung Spacing, Add	1.56	
For 6" Rung Spacing, Add	6.68	
For 4" Rung Spacing, Add	12.25	
For 18" Rung Spacing, Deduct	-1.11	
For Solid Bottom, Add	36.93	
For Vented Trough Bottom, Add	39.12	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	228.97	120.44
For 9" Rung Spacing, Add	1.70	
For 6" Rung Spacing, Add	7.27	
For 4" Rung Spacing, Add	13.33	
For 18" Rung Spacing, Deduct	-1.21	
For Solid Bottom, Add	41.62	
For Vented Trough Bottom, Add	41.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	247.10	129.06
For 9" Rung Spacing, Add	1.87	
For 6" Rung Spacing, Add	8.03	
For 4" Rung Spacing, Add	14.73	
For 18" Rung Spacing, Deduct	-1.34	
For Solid Bottom, Add	45.10	
For Vented Trough Bottom, Add	45.61	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	101.06	50.14
For 9" Rung Spacing, Add	0.90	
For 6" Rung Spacing, Add	3.88	
For 4" Rung Spacing, Add	7.11	
For 18" Rung Spacing, Deduct	-0.65	
For Solid Bottom, Add	19.04	
For Vented Trough Bottom, Add	19.74	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	107.12	53.55
For 9" Rung Spacing, Add	0.94	
For 6" Rung Spacing, Add	4.03	
For 4" Rung Spacing, Add	7.39	
For 18" Rung Spacing, Deduct	-0.67	
For Solid Bottom, Add	20.10	
For Vented Trough Bottom, Add	20.78	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	133.21	70.20
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.19	
For 4" Rung Spacing, Add	7.68	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	24.17	
For Vented Trough Bottom, Add	24.33	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	149.06	78.93
For 9" Rung Spacing, Add	1.08	
For 6" Rung Spacing, Add	4.61	
For 4" Rung Spacing, Add	8.45	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	26.97	
For Vented Trough Bottom, Add	27.08	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	156.25	82.23
For 9" Rung Spacing, Add	1.15	
For 6" Rung Spacing, Add	4.94	
For 4" Rung Spacing, Add	9.05	
For 18" Rung Spacing, Deduct	-0.82	
For Solid Bottom, Add	28.37	
For Vented Trough Bottom, Add	28.58	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	166.79	86.94
For 9" Rung Spacing, Add	1.28	
For 6" Rung Spacing, Add	5.46	
For 4" Rung Spacing, Add	10.02	
For 18" Rung Spacing, Deduct	-0.91	
For Solid Bottom, Add	30.48	
For Vented Trough Bottom, Add	30.87	
26 05 36 00-2564 EA 36" Horizontal Wye, Fiberglass Cable Tray	180.65	93.66
For 9" Rung Spacing, Add	1.41	
For 6" Rung Spacing, Add	6.04	
For 4" Rung Spacing, Add	11.07	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	33.14	
For Vented Trough Bottom, Add	33.65	
26 05 36 00-2565 Straight Reducers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566 EA 9"-6" Reducer, Fiberglass Cable Tray	44.73	20.06
For 9" Rung Spacing, Add	0.51	
For 6" Rung Spacing, Add	2.20	
For 4" Rung Spacing, Add	4.03	
For 18" Rung Spacing, Deduct	-0.37	
For Solid Bottom, Add	8.91	
For Vented Trough Bottom, Add	9.62	
26 05 36 00-2567 EA 12"-9" Reducer, Fiberglass Cable Tray.....	49.94	23.36
For 9" Rung Spacing, Add	0.52	
For 6" Rung Spacing, Add	2.23	
For 4" Rung Spacing, Add	4.08	
For 18" Rung Spacing, Deduct	-0.37	
For Solid Bottom, Add	9.72	
For Vented Trough Bottom, Add	10.33	
26 05 36 00-2568 EA 18"-12" Reducer, Fiberglass Cable Tray.....	55.16	26.78
For 9" Rung Spacing, Add	0.53	
For 6" Rung Spacing, Add	2.26	
For 4" Rung Spacing, Add	4.14	
For 18" Rung Spacing, Deduct	-0.38	
For Solid Bottom, Add	10.53	
For Vented Trough Bottom, Add	11.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2569 EA 24"-18" Reducer, Fiberglass Cable Tray.....	59.69	29.38
For 9" Rung Spacing, Add	0.54	
For 6" Rung Spacing, Add	2.34	
For 4" Rung Spacing, Add	4.28	
For 18" Rung Spacing, Deduct	-0.39	
For Solid Bottom, Add	11.29	
For Vented Trough Bottom, Add	11.74	
26 05 36 00-2570 EA 30"-24" Reducer, Fiberglass Cable Tray.....	66.30	32.09
For 9" Rung Spacing, Add	0.64	
For 6" Rung Spacing, Add	2.72	
For 4" Rung Spacing, Add	4.99	
For 18" Rung Spacing, Deduct	-0.45	
For Solid Bottom, Add	12.67	
For Vented Trough Bottom, Add	13.28	
26 05 36 00-2571 EA 36"-30" Reducer, Fiberglass Cable Tray.....	74.25	35.50
For 9" Rung Spacing, Add	0.74	
For 6" Rung Spacing, Add	3.17	
For 4" Rung Spacing, Add	5.80	
For 18" Rung Spacing, Deduct	-0.53	
For Solid Bottom, Add	14.30	
For Vented Trough Bottom, Add	15.08	
26 05 36 00-2572 Vertical Tees (26 05 36 00-2516)		
26 05 36 00-2573 EA 6" Vertical Tee, Fiberglass Cable Tray.....	130.12	50.14
For 9" Rung Spacing, Add	1.92	
For 6" Rung Spacing, Add	8.24	
For 4" Rung Spacing, Add	15.10	
For 18" Rung Spacing, Deduct	-1.37	
For Solid Bottom, Add	27.75	
For Vented Trough Bottom, Add	31.37	
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray.....	135.81	53.55
For 9" Rung Spacing, Add	1.95	
For 6" Rung Spacing, Add	8.34	
For 4" Rung Spacing, Add	15.29	
For 18" Rung Spacing, Deduct	-1.39	
For Solid Bottom, Add	28.71	
For Vented Trough Bottom, Add	32.26	
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray.....	161.55	70.20
For 9" Rung Spacing, Add	1.97	
For 6" Rung Spacing, Add	8.44	
For 4" Rung Spacing, Add	15.47	
For 18" Rung Spacing, Deduct	-1.41	
For Solid Bottom, Add	32.67	
For Vented Trough Bottom, Add	35.67	
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray.....	176.15	78.93
For 9" Rung Spacing, Add	2.02	
For 6" Rung Spacing, Add	8.67	
For 4" Rung Spacing, Add	15.90	
For 18" Rung Spacing, Deduct	-1.45	
For Solid Bottom, Add	35.09	
For Vented Trough Bottom, Add	37.92	
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray.....	182.62	82.23
For 9" Rung Spacing, Add	2.07	
For 6" Rung Spacing, Add	8.89	
For 4" Rung Spacing, Add	16.30	
For 18" Rung Spacing, Deduct	-1.48	
For Solid Bottom, Add	36.28	
For Vented Trough Bottom, Add	39.13	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray.....	190.98	86.94
For 9" Rung Spacing, Add	2.12	
For 6" Rung Spacing, Add	9.09	
For 4" Rung Spacing, Add	16.67	
For 18" Rung Spacing, Deduct	-1.52	
For Solid Bottom, Add	37.74	
For Vented Trough Bottom, Add	40.54	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray.....	207.37	93.66
For 9" Rung Spacing, Add	2.34	
For 6" Rung Spacing, Add	10.05	
For 4" Rung Spacing, Add	18.42	
For 18" Rung Spacing, Deduct	-1.67	
For Solid Bottom, Add	41.15	
For Vented Trough Bottom, Add	44.34	

26 05 39 Underfloor Raceways for Electrical Systems (26 05)**26 05 39 00-0001 Underfloor Ducts (26 05 39)****26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)****26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)**

26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	77.82	17.65
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	97.36	20.66



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0006		Large Capacity Ducts, 8.9 Square Inches <small>(26 05 39 00-0002)</small>		
	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	126.91	22.36
	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	145.02	24.77
26 05 39 00-0009		Junction Boxes <small>(26 05 39 00-0001)</small>		
26 05 39 00-0010		One Level Junction Boxes <small>(26 05 39 00-0009)</small>		
	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	193.86	35.09
	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	218.61	37.61
	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box	341.78	35.09
		Note: Isolate each duct and form a continuous raceway through the box in both directions.		
	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	237.91	37.61
	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	373.63	49.44
	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	518.11	53.75
26 05 39 00-0017		Two Level Junction Boxes <small>(26 05 39 00-0009)</small>		
	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level	771.28	35.50
		Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	886.17	37.61
26 05 39 00-0020		Elbow Fittings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0021		90 Degree Horizontal Elbow <small>(26 05 39 00-0020)</small>		
	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	93.02	12.93
	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	95.67	12.93
26 05 39 00-0024		90 Degree Vertical Elbow <small>(26 05 39 00-0020)</small>		
	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	54.43	12.93
	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	55.49	12.93
26 05 39 00-0027		Offset Elbow <small>(26 05 39 00-0020)</small>		
		Note: Two elbows required for crossover or crossunder.		
	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	54.43	15.04
	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	55.49	15.04
26 05 39 00-0030		Couplings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0031		Sleeve Couplings <small>(26 05 39 00-0030)</small>		
	EA	Underfloor Standard Duct Sleeve Coupling	37.38	20.06
	EA	Underfloor Large Duct Sleeve Coupling	58.93	20.06
26 05 39 00-0034		Expansion Couplings <small>(26 05 39 00-0030)</small>		
	EA	Underfloor Standard Duct Expansion Coupling	79.11	20.06
	EA	Underfloor Large Duct Expansion Coupling	80.43	21.16
26 05 39 00-0037		Reducing Couplings <small>(26 05 39 00-0030)</small>		
	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	69.01	3.01
26 05 39 00-0039		Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040		Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
		Note: Includes leveling legs and anchoring feet.		
	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	86.17	42.12
	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	96.42	42.12
	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	106.75	42.12
	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	96.42	47.13
	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	117.32	47.13
	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	106.75	50.14
	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	106.75	50.14
	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	117.32	50.14
26 05 39 00-0049		Duct Support Only <small>(26 05 39 00-0039)</small>		
		Note: Includes leveling legs and anchoring feet.		
	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	77.05	37.11
	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	90.52	37.11
	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	104.82	37.11
26 05 39 00-0053		Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	7.27	3.01
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	7.79	3.01
26 05 39 00-0057		Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	27.65	5.01
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	29.48	5.01
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	28.68	5.01
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	29.74	5.01
26 05 39 00-0062		Holder And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	184.67	42.12
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories.....	337.53	42.12
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	2.47	1.00
26 05 39 00-0066		Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan.....	75.09	5.50
26 05 43		Underground Ducts And Raceways For Electrical Systems (26 05)		
		Note: Underground utilities and conduits include warning tape.		
26 05 43 00-0001		Duct Bank (26 05 43)		
		Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0002		Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	22.69	
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	45.41	
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	46.11	
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	92.45	
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	67.72	
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	136.37	
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	205.47	
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	122.88	
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	244.84	
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	378.75	
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	175.07	
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	351.34	
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	521.46	
26 05 43 00-0016		Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.09	
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.47	
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	25.77	
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.04	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	16.05	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	32.63	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	10.60	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.21	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	42.45	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	63.66	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.17	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	26.33	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	50.81	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	71.61	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.92	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	35.44	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	71.07	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	115.81	
26 05 43 00-0035		Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)		
		Note: Includes appropriate spacers and fittings.		
26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	6.75	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	14.86	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	28.35	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	8.29	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	16.57	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	33.05	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.77	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.55	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	43.13	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	64.67	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.42	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	26.84	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	51.83	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	73.14	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	24.27	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	36.17	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	72.54	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	118.01	
26 05 43 00-0054		Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0055	EA	2" Adapter	33.92	
26 05 43 00-0056	EA	3" Adapter	48.01	
26 05 43 00-0057	EA	4" Adapter	61.73	
26 05 43 00-0058	EA	5" Adapter	91.78	
26 05 43 00-0059	EA	6" Adapter	114.13	
26 05 46		Utility Poles for Electrical Systems <small>(26 05)</small>		
26 05 46 00-0001		Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002		Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small> Note: Machine dig and set.		
26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	763.84	254.98
		<i>For Class 1 Pole, Add</i>	88.83	
		<i>For Class 2 Pole, Add</i>	50.76	
		<i>For Class 4 Pole, Deduct</i>	-25.38	
		<i>For Class 5 Pole, Deduct</i>	-76.14	
		<i>For Class 6 Pole, Deduct</i>	-101.52	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	910.41	282.90
		<i>For Class 1 Pole, Add</i>	120.60	
		<i>For Class 2 Pole, Add</i>	68.91	
		<i>For Class 4 Pole, Deduct</i>	-34.46	
		<i>For Class 5 Pole, Deduct</i>	-103.37	
		<i>For Class 6 Pole, Deduct</i>	-137.83	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,181.50	374.16
		<i>For Class 1 Pole, Add</i>	151.65	
		<i>For Class 2 Pole, Add</i>	86.66	
		<i>For Class 4 Pole, Deduct</i>	-43.33	
		<i>For Class 5 Pole, Deduct</i>	-129.99	
		<i>For Class 6 Pole, Deduct</i>	-173.32	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,349.18	411.53
		<i>For Class 1 Pole, Add</i>	184.15	
		<i>For Class 2 Pole, Add</i>	105.23	
		<i>For Class 4 Pole, Deduct</i>	-52.61	
		<i>For Class 5 Pole, Deduct</i>	-157.84	
		<i>For Class 6 Pole, Deduct</i>	-210.46	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,539.92	458.35
		<i>For Class 1 Pole, Add</i>	218.09	
		<i>For Class 2 Pole, Add</i>	124.62	
		<i>For Class 4 Pole, Deduct</i>	-62.31	
		<i>For Class 5 Pole, Deduct</i>	-186.94	
		<i>For Class 6 Pole, Deduct</i>	-249.25	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,750.95	514.41
		<i>For Class 1 Pole, Add</i>	252.76	
		<i>For Class 2 Pole, Add</i>	144.43	
		<i>For Class 4 Pole, Deduct</i>	-72.22	
		<i>For Class 5 Pole, Deduct</i>	-216.65	
		<i>For Class 6 Pole, Deduct</i>	-288.86	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,956.99	565.80
		<i>For Class 1 Pole, Add</i>	288.86	
		<i>For Class 2 Pole, Add</i>	165.06	
		<i>For Class 4 Pole, Deduct</i>	-82.53	
		<i>For Class 5 Pole, Deduct</i>	-247.60	
		<i>For Class 6 Pole, Deduct</i>	-330.13	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,185.33	622.18
		<i>For Class 1 Pole, Add</i>	329.30	
		<i>For Class 2 Pole, Add</i>	188.17	
		<i>For Class 4 Pole, Deduct</i>	-94.09	
		<i>For Class 5 Pole, Deduct</i>	-282.26	
		<i>For Class 6 Pole, Deduct</i>	-376.35	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,524.23	678.13
		<i>For Class 1 Pole, Add</i>	758.77	
		<i>For Class 2 Pole, Add</i>	433.58	
		<i>For Class 4 Pole, Deduct</i>	-216.79	
		<i>For Class 5 Pole, Deduct</i>	-650.38	
		<i>For Class 6 Pole, Deduct</i>	-867.17	

26 Electrical
26 05 Common Work Results For Electrical
26 05 46 Utility Poles for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 1 Pole, Add</i> <i>For Class 2 Pole, Add</i> <i>For Class 4 Pole, Deduct</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	3,866.44 848.28 484.73 -242.37 -727.10 -969.46	721.38
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set..... <i>For Class 1 Pole, Add</i> <i>For Class 2 Pole, Add</i> <i>For Class 4 Pole, Deduct</i> <i>For Class 5 Pole, Deduct</i> <i>For Class 6 Pole, Deduct</i>	4,246.55 946.94 541.11 -270.55 -811.66 -1,082.22	770.49
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015	LF		Remove And Relocate Wood Pole With Cross Arms, Up To 75'	21.73	
26 05 46 00-0016			Crossarms <small>(26 05 46)</small> Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	171.98	76.05
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	209.33	76.05
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	220.55	97.78
26 05 46 00-0021			Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	447.91	211.85
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	475.52	211.85
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	496.46	211.85
26 05 46 00-0025			Fiberglass Crossarms <small>(26 05 46 00-0016)</small> Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	170.92	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	221.65	45.63
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	232.52	48.89
26 05 46 00-0030			Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	278.59	58.66
26 05 46 00-0032			Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	428.84	74.97
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	511.18	91.26
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	74.58	13.04
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	372.91	65.19
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	310.65	108.64
26 05 46 00-0038			Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	93.52	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	72.83	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	180.68	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	143.13	
26 05 46 00-0044			Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	62.08	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	51.87	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting.....	159.72	
26 05 46 00-0048			Guying <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049			Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole	705.15	304.20
26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole	714.59	304.20
26 05 46 00-0052	EA		Down Guy For 65' To 75' Pole	734.00	304.20
26 05 46 00-0053	EA		Guy Guard, Plastic.....	22.92	
26 05 46 00-0054			Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 46 00-0055	EA		Head Guy (50' Span), For 25' To 40' Pole	1,039.06	467.15
	26 05 46 00-0056	EA		Head Guy (50' Span), For 45' To 60' Pole	1,039.06	467.15
	26 05 46 00-0057	EA		Head Guy (50' Span), For 65' To 75' Pole	1,039.06	467.15
26 05 46 00-0058	Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>			<i>Note: As required at same material cost and labor.</i>		
	26 05 46 00-0059	EA		Guy Strain Insulator	458.61	228.14
26 05 46 00-0060	Pole Anchor <small>(26 05 46 00-0048)</small>			<i>Note: Joslyn.</i>		
	26 05 46 00-0061	EA		Pole Anchor, 4" Helix, 3/4" x 54" Shaft	66.42	
	26 05 46 00-0062	EA		Pole Anchor, 6" Helix, 3/4" x 66" Shaft	71.10	
	26 05 46 00-0063	EA		Pole Anchor, 8" Helix, 1" x 66" Shaft	82.10	
	26 05 46 00-0064	EA		Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	101.40	
	26 05 46 00-0065	EA		Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	134.77	
	26 05 46 00-0066	EA		Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	177.12	
26 05 46 00-0067	Insulators <small>(26 05 46)</small>					
26 05 46 00-0068	Pin Insulator With Pin <small>(26 05 46 00-0067)</small>					
	26 05 46 00-0069	EA		5 KV Class 55-3, Pin Insulator With Pin	145.19	65.19
	26 05 46 00-0070	EA		15 KV Class 55-5, Pin Insulator With Pin	149.02	65.19
26 05 46 00-0071	Suspension Insulator <small>(26 05 46 00-0067)</small>			<i>Note: Includes clevis and strain clamp.</i>		
	26 05 46 00-0072	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	183.80	86.92
	26 05 46 00-0073	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	194.22	86.92
	26 05 46 00-0074	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	271.37	108.64
	26 05 46 00-0075	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	428.34	173.82
26 05 46 00-0076	Spool Insulator With Clevis <small>(26 05 46 00-0067)</small>					
	26 05 46 00-0077	EA		5 KV Class 53-5, Spool Insulator With Clevis	61.20	27.16
	26 05 46 00-0078	EA		15 KV Class, Spool Insulator With Clevis	195.83	97.78
	26 05 46 00-0079	EA		25 KV Class, Spool Insulator With Clevis	254.07	97.78
26 05 46 00-0080	Secondary Rack <small>(26 05 46 00-0067)</small>					
	26 05 46 00-0081	EA		1 Spool Secondary Rack	121.65	54.32
	26 05 46 00-0082	EA		2 Spool Secondary Rack	124.99	69.32
	26 05 46 00-0083	EA		3 Spool Secondary Rack	187.23	92.34
	26 05 46 00-0084	EA		4 Spool Secondary Rack	210.55	92.34
26 05 46 00-0085	Outdoor Load Break Switches <small>(26 05 46)</small>			<i>Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.</i>		
26 05 46 00-0086	7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>					
	26 05 46 00-0087	EA		600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,821.51	369.38
	26 05 46 00-0088	EA		1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,359.14	369.38
	26 05 46 00-0089	EA		1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,965.97	624.68
	26 05 46 00-0090	EA		2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,190.61	624.68
26 05 46 00-0091	14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>					
	26 05 46 00-0092	EA		600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,400.06	369.38
	26 05 46 00-0093	EA		1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,287.64	369.38
	26 05 46 00-0094	EA		1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,965.97	624.68
	26 05 46 00-0095	EA		2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,190.61	624.68
26 05 46 00-0096	23 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>					
	26 05 46 00-0097	EA		600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,762.95	429.13
	26 05 46 00-0098	EA		1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,891.59	429.13
	26 05 46 00-0099	EA		1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,378.59	738.75
	26 05 46 00-0100	EA		2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,610.59	738.75
26 05 46 00-0101	Square Distribution Poles <small>(26 05 46)</small>					
26 05 46 00-0102	Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0101)</small>					
	26 05 46 00-0103	EA		20', Steel Taped Shaft Distribution Pole	2,231.17	461.73
	26 05 46 00-0104	EA		25', Steel Taped Shaft Distribution Pole	2,497.05	488.88
	26 05 46 00-0105	EA		30', Steel Taped Shaft Distribution Pole	2,716.64	543.20
	26 05 46 00-0106	EA		35', Steel Taped Shaft Distribution Pole	3,003.57	597.53
	26 05 46 00-0107	EA		40', Steel Taped Shaft Distribution Pole	3,978.25	651.85

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0108 Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution.....	2,793.91	818.97
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution.....	3,095.25	898.23
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution.....	3,585.52	1,003.91
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution.....	4,027.22	1,109.58
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution.....	4,831.89	1,347.35
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution.....	5,665.78	1,585.12
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution.....	6,626.15	1,796.46
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution.....	8,036.12	2,219.16
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution.....	8,966.12	2,430.51
26 05 46 00-0118 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,345.34	407.40
26 05 46 00-0121 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,241.25	434.56
26 05 46 00-0122 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,723.91	488.88
26 05 46 00-0123 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,404.31	543.20
26 05 46 00-0124 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,587.63	597.53
26 05 46 00-0125 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126 Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	3,323.13	651.85
26 05 46 00-0128 EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	3,838.72	706.16
26 05 46 00-0129 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	4,093.51	760.48
26 05 46 00-0130 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	4,809.59	869.13
26 05 46 00-0131 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	5,906.33	977.76
26 05 46 00-0132 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	7,013.69	1,241.67
26 05 46 00-0133 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	7,819.86	1,408.64
26 05 46 00-0134 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	8,651.45	1,585.12
26 05 46 00-0135 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	9,723.39	1,796.46
26 05 46 00-0136 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	10,385.35	1,902.14
26 05 46 00-0137 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	11,293.76	2,113.49
26 05 46 00-0138 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	12,428.34	2,377.67
26 05 46 00-0139 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	13,759.77	2,694.70
26 05 46 00-0140 12 Sided Tapered (26 05 46 00-0125)		
26 05 46 00-0141 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,487.61	651.85
26 05 46 00-0142 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,050.10	706.16
26 05 46 00-0143 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,691.00	760.48
26 05 46 00-0144 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,366.08	869.13
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,714.77	977.76
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,845.54	1,241.67
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,552.61	1,408.64
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,533.38	1,585.12
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,599.19	1,796.46
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	15,469.14	1,902.14
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,544.62	2,113.49
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,661.68	2,377.67
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,034.03	2,694.70
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	21,494.44	3,011.72
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)		
26 05 46 00-0156 EA Ladder Clips.....	12.30	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0159 Arms With Baseplates And Endplates (26 05 46 00-0125)		
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate.....	491.84	108.64
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate.....	529.06	108.64
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate.....	675.77	162.96
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate.....	708.34	162.96
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate.....	853.38	217.28
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate.....	890.59	217.28
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate.....	1,171.44	271.60
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate.....	1,213.20	271.60
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	247.98	108.64
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	270.79	108.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 46 00-0171	EA	45,000 LB Standard Vangs Load Bearing At Any Angle.....	301.98	108.64
	26 05 46 00-0172		Armless Construction Brackets (26 05 46 00-0125)		
	26 05 46 00-0173		Verticals Insulator And Equipment Bracket (26 05 46 00-0172)		
	26 05 46 00-0174	EA	7" 1 Position Vertical Insulation And Equipment Bracket.....	251.70	108.64
	26 05 46 00-0175	EA	12" 1 Position Vertical Insulation And Equipment Bracket.....	266.10	108.64
	26 05 46 00-0176	EA	12" 3 Position Vertical Insulation And Equipment Bracket.....	289.50	108.64
	26 05 46 00-0177	EA	18" 1 Position Vertical Insulation And Equipment Bracket.....	413.68	162.96
	26 05 46 00-0178	EA	18" 3 Position Vertical Insulation And Equipment Bracket.....	427.34	162.96
	26 05 46 00-0179		Horizontal And Multiple Insulator Brackets (26 05 46 00-0172)		
	26 05 46 00-0180	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	240.49	108.64
	26 05 46 00-0181	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	270.75	108.64
	26 05 46 00-0182	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	399.02	162.96
	26 05 46 00-0183	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	470.44	162.96
	26 05 46 00-0184	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	608.60	217.28
	26 05 46 00-0185	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	646.51	217.28
	26 05 46 00-0186		Pole Top Bracket And Pins (26 05 46 00-0172)		
	26 05 46 00-0187	EA	Pole Top Pin - 5".....	244.88	108.64
	26 05 46 00-0188	EA	Pole Top Bracket - 5".....	252.23	108.64
	26 05 46 00-0189		Angle Pins (26 05 46 00-0172)		
	26 05 46 00-0190	EA	Angle Pin - 25 Degree, 6".....	243.89	108.64
	26 05 46 00-0191	EA	Angle Pin - 25 Degree, 7 1/4".....	267.75	108.64
	26 05 46 00-0192		Static And Neutral Wire Brackets (26 05 46 00-0172)		
	26 05 46 00-0193	EA	Neutral Wire Bracket.....	225.79	108.64
	26 05 46 00-0194	EA	Static Wire Bracket.....	257.89	108.64
	26 05 46 00-0195		Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)		
	26 05 46 00-0196	EA	Cutout And Arrestor, With Mounting Bracket.....	235.59	108.64
	26 05 46 00-0197	EA	Equipment Mounting T Bracket.....	247.58	108.64
	26 05 46 00-0198	EA	15 KV Cutout.....	302.44	
	26 05 46 00-0199	EA	9/10 KV Arrestor.....	285.58	108.64
	26 05 46 00-0200		Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)		
	26 05 46 00-0201	EA	Spacer Cable.....	260.43	108.64
	26 05 46 00-0202	EA	Conduit Support.....	232.38	108.64
	26 05 46 00-0203	EA	Cluster Bracket For Mounting Transformer On Pole, 3 Diameter.....	327.24	108.64
	26 05 46 00-0204		15 KV 200 Amp Solenoid Operated High Voltage Switch (26 05 46 00-0172) Note: Includes pole mounting bracket.		
	26 05 46 00-0205	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,286.03	271.60
	26 05 46 00-0206		Octagonal Tapered (26 05 46 00-0125)		
	26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,648.49	651.85
	26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,228.53	706.16
	26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,889.90	760.48
	26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,582.53	923.45
	26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,013.12	977.76
	26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	11,167.30	1,241.67
	26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,927.02	1,320.93
	26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,932.65	1,585.12
	26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,021.85	1,690.79
	26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,916.68	1,902.14
	26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	18,055.05	2,007.81
	26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,198.44	2,377.67
	26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	20,597.11	2,536.19
	26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	22,086.76	2,853.20
	26 05 46 00-0221		Removal And Relocation Of Steel Service Poles (26 05 46 00-0125)		
	26 05 46 00-0222	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	38.02	
	26 05 46 00-0223		Special Steel Bases For Poles (26 05 46 00-0125)		
	26 05 46 00-0224	EA	Spin-In Steel Base For Poles.....	184.24	
	26 05 46 00-0225	EA	Series 3, 25' Pole And less.....	200.18	54.32

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0226	EA		Series 4, 40' Pole And less	236.83	62.47
26 05 46 00-0227	EA		Series 5, 50' Pole And less	268.03	67.90
26 05 46 00-0228			Primary Fuse Cutouts <small>(26 05 46)</small> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229			Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small> Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230			8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0231	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	510.92	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0232	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	619.56	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.96	
26 05 46 00-0233	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	727.84	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.44	
26 05 46 00-0234	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	735.34	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.56	
26 05 46 00-0235	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	735.34	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.56	
26 05 46 00-0236			17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0237	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	510.92	217.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0238			17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0239	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	520.55	217.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0240			Fuseholders <small>(26 05 46 00-0229)</small> Note: Including current limiting fuse.		
26 05 46 00-0241	EA		15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	470.33	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0242	EA		25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	578.97	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.96	
26 05 46 00-0243	EA		40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	687.25	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.44	
26 05 46 00-0244	EA		100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	473.66	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0245	EA		200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	582.30	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.96	
26 05 46 00-0246	EA		15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	470.33	217.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0247			Accessories <small>(26 05 46 00-0229)</small>		
26 05 46 00-0248	EA		Hot Line Clamp	64.26	24.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.30	
26 05 46 00-0249	EA		Stirrup	67.31	24.44
26 05 46 00-0250			Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251			8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0252	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	585.90	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0253	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	694.54	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.96	
26 05 46 00-0254	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	802.82	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.44	
26 05 46 00-0255	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	817.31	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.56	
26 05 46 00-0256	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	817.31	271.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.56	
26 05 46 00-0257			17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0258	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	585.90	217.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0259			17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0260	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	585.90	217.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.37	
26 05 46 00-0261			Fuseholders <small>(26 05 46 00-0250)</small> Note: Includes current limiting fuses.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0262 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.77 130.37	271.60
26 05 46 00-0263 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	582.41 162.96	271.60
26 05 46 00-0264 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	690.69 195.44	271.60
26 05 46 00-0265 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.77 130.37	271.60
26 05 46 00-0266 Pole Mounted Capacitors (26 05 46 00-0250)		
26 05 46 00-0267 EA Capacitors - Pole Mounted 6 KVAR.....	865.43	219.02
26 05 46 00-0268 Pole Structure Assemblies (26 05 46 00-0228)		
26 05 46 00-0269 5 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	425.09	206.42
26 05 46 00-0271 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	712.74	347.65
26 05 46 00-0272 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	681.88	271.60
26 05 46 00-0273 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	368.90	141.23
26 05 46 00-0274 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	488.43	195.55
26 05 46 00-0275 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	908.09	391.11
26 05 46 00-0276 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	696.05	293.33
26 05 46 00-0277 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,335.58	586.66
26 05 46 00-0278 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,507.87	662.71
26 05 46 00-0279 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	790.51	325.92
26 05 46 00-0280 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	743.01	347.65
26 05 46 00-0281 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,453.67	706.16
26 05 46 00-0282 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	989.00	423.69
26 05 46 00-0283 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	657.22	304.20
26 05 46 00-0284 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,293.85	619.25
26 05 46 00-0285 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	899.43	315.06
26 05 46 00-0286 15 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	434.72	206.42
26 05 46 00-0288 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	726.50	347.65
26 05 46 00-0289 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	728.65	271.60
26 05 46 00-0290 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	385.41	141.23
26 05 46 00-0291 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	511.82	184.69
26 05 46 00-0292 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	954.86	391.11
26 05 46 00-0293 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	730.45	293.33
26 05 46 00-0294 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,405.74	586.66
26 05 46 00-0295 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,602.80	662.71
26 05 46 00-0296 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	837.28	325.92
26 05 46 00-0297 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	760.89	347.65
26 05 46 00-0298 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,471.55	706.16
26 05 46 00-0299 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,024.77	423.69
26 05 46 00-0300 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	675.10	293.33
26 05 46 00-0301 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,311.73	619.25
26 05 46 00-0302 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	935.20	380.25
26 05 46 00-0303 25 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,001.01	325.92
26 05 46 00-0305 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	575.05	162.96
26 05 46 00-0306 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	841.85	249.87
26 05 46 00-0307 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,301.34	510.61
26 05 46 00-0308 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,123.47	380.25
26 05 46 00-0309 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,971.08	749.62
26 05 46 00-0310 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,013.97	847.40
26 05 46 00-0311 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,323.35	494.32
26 05 46 00-0312 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,188.23	494.32
26 05 46 00-0313 50 KV Pole Structure Assemblies (26 05 46 00-0268)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,345.66	445.42
26 05 46 00-0315 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	713.35	228.14
26 05 46 00-0316 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	989.80	358.52
26 05 46 00-0317 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,908.07	727.89
26 05 46 00-0318 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,449.62	543.20
26 05 46 00-0319 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,831.82	1,086.41
26 05 46 00-0320 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,264.49	1,205.92
26 05 46 00-0321 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,632.75	586.66
26 05 46 00-0322 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,741.86	679.00
26 05 46 00-0323 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,661.97	640.98

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 46 00-0324		Overhead To Underground Conversion Structures (26 05 46 00-0228) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0325		5 KV Structures (26 05 46 00-0324) Note: Excludes pole.		
26 05 46 00-0326	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,841.84	2,172.81
26 05 46 00-0327	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,841.84	2,172.81
26 05 46 00-0328	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,841.84	2,172.81
26 05 46 00-0329	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,841.84	2,172.81
26 05 46 00-0330		15 KV Structures (26 05 46 00-0324) Note: Excludes pole.		
26 05 46 00-0331	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,906.57	2,172.81
26 05 46 00-0332	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,906.57	2,172.81
26 05 46 00-0333	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,906.57	2,172.81
26 05 46 00-0334	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,906.57	2,172.81
26 05 46 00-0335		25 KV Structures (26 05 46 00-0324) Note: Excludes pole.		
26 05 46 00-0336	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,977.19	2,172.81
26 05 46 00-0337	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,977.19	2,172.81
26 05 46 00-0338	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,977.19	2,172.81
26 05 46 00-0339	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,977.19	2,172.81
26 05 46 00-0340		Transformer Stations (26 05 46 00-0228) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0341		5 KV Station (26 05 46 00-0340)		
26 05 46 00-0342	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,216.61	2,896.36
26 05 46 00-0343	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,859.86	3,259.22
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,503.11	3,621.00
26 05 46 00-0345	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	6,503.11	3,621.00
26 05 46 00-0346	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	5,216.61	2,896.36
26 05 46 00-0347		15 KV Stations (26 05 46 00-0340)		
26 05 46 00-0348	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,281.35	2,896.36
26 05 46 00-0349	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,924.60	3,259.22
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,567.84	3,621.00
26 05 46 00-0351	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	6,567.84	3,621.00
26 05 46 00-0352	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	5,281.35	2,896.36
26 05 46 00-0353		25 KV Stations (26 05 46 00-0340)		
26 05 46 00-0354	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,351.97	2,896.36
26 05 46 00-0355	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,995.22	3,259.22
26 05 46 00-0356	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,638.46	3,621.00
26 05 46 00-0357	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	6,638.46	3,621.00
26 05 46 00-0358	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	5,351.97	2,896.36

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.46	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.96	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	11.96	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	12.16	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.36	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	12.66	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.39	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	14.79	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.09	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	15.39	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.02	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	16.69	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	17.28	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	17.88	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	19.33	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	20.43	

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 53 00-0019 EA Labeling Wire.....	2.14	
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26 05 83 Wiring Connections (26 05)

26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)

26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.20	4.51
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.26	5.01
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	14.16	5.52
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.13	6.02
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.38	6.52
26 05 83 00-0007 EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.17	7.02
26 05 83 00-0008 EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	20.50	7.52
26 05 83 00-0009 EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.26	8.02
26 05 83 00-0010 EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	24.68	9.03
26 05 83 00-0011 EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	25.95	9.53
26 05 83 00-0012 EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	28.47	10.03
26 05 83 00-0013 EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	30.71	10.53
26 05 83 00-0014 EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	34.14	11.53
26 05 83 00-0015 EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	39.37	13.03

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017 EA #22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	16.89	13.03
26 05 83 00-0018 EA #16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	16.97	13.03
26 05 83 00-0019 EA #12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	19.16	14.04
26 05 83 00-0020 EA #8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	23.29	15.54
26 05 83 00-0021 EA #6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	32.95	20.06
26 05 83 00-0022 EA #4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	38.87	20.06
26 05 83 00-0023 EA #2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	44.72	20.06
26 05 83 00-0024 EA 1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	55.32	30.09
26 05 83 00-0025 EA 2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	65.06	30.09
26 05 83 00-0026 EA 3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	76.20	30.09
26 05 83 00-0027 EA 4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	91.98	40.11
26 05 83 00-0028 EA 250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	109.14	60.17
26 05 83 00-0029 EA 300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	124.81	60.17
26 05 83 00-0030 EA 350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	134.23	60.17
26 05 83 00-0031 EA 400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	145.95	70.20
26 05 83 00-0032 EA 500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	159.46	70.20
26 05 83 00-0033 EA 750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	173.41	80.23
26 05 83 00-0034 EA 1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	202.57	90.26

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	34.25	17.05
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	36.66	18.15
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	38.78	18.15
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	44.61	20.86
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	55.21	26.07
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	64.94	30.99
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	76.06	36.30
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	91.83	44.02
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	108.96	52.25
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	124.61	59.67
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	134.02	64.28
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	145.70	69.60
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	159.17	76.01
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	173.59	82.43
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	213.68	100.29

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	51.89	40.11
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	57.06	43.12
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	64.99	45.12
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	75.10	50.14
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	88.29	55.15
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	97.87	60.17
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	121.91	65.18
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	130.72	70.20
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	137.64	75.21
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	155.38	82.73
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	173.11	120.33
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	189.03	100.29
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	204.95	135.38
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	224.42	140.39
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	251.06	150.42

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....71.41 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 21.06		40.11
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....82.13 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.88		40.11
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....113.97 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 33.43		60.17
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....134.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 38.57		60.17
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....161.08 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.58		75.21
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts .....222.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 62.68		100.29
26 05 83 00-0074 Terminal Blocks <small>(26 05 83)</small> Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt .....836.52 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 222.85		371.04
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block .....185.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 30.42		50.21
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block .....202.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 30.74		50.21
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....34.24		18.15
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....36.66		18.15
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....38.78		18.15
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....44.61		20.86
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....55.20		26.07
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....64.94		30.99
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....76.06		36.30
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....91.83		44.02
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....108.96		52.25
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....124.61		59.67
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....134.02		64.28
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....145.70		69.60
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....159.17		76.01
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....159.43		76.01
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....34.24		18.15
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....36.66		18.15
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....38.78		18.15
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....44.61		20.86
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....55.20		26.07
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....64.94		30.99
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....76.06		36.30
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....91.83		44.02
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....108.96		52.25
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....124.61		59.67
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....134.02		64.28
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....145.70		69.60
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....159.17		76.01
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....159.43		76.01
26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs .....27.03 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.52		12.53
26 05 83 00-0109 EA #6 Copper Mechanical Lugs .....32.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.08		15.14
26 05 83 00-0110 EA #4 Copper Mechanical Lugs .....37.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.53		17.55
26 05 83 00-0111 EA #2 Copper Mechanical Lugs .....48.71 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.43		22.36
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs .....65.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.05		30.09
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs .....77.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 20.97		34.89
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs .....89.82 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 24.07		40.11
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs .....101.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.99		45.02
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs .....115.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 30.08		50.14
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs .....128.56 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 33.11		55.15
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs .....141.81 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 36.10		60.17
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs .....154.98 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 39.08		65.18
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs .....168.39 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 42.12		70.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.20 47.98	79.93
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.22 54.15	90.26
26 05 83 00-0123 Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit..... <i>Note: Kit contains connector, gel filled cap and cap clamp. For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.58 3.01	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.17 3.62	
26 05 83 00-0126 Other Connections <small>(26 05 83)</small>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.70 2.75	4.58
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.75 2.75	4.58
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.81 2.75	4.58
26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small> <i>Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.</i>		
26 05 83 00-0131 AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	56.62	25.07
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	56.40	25.07
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	66.69	30.09
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.21	37.61
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.64	37.61
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.73	37.61
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.16	37.61
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	109.42	50.14
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.03	50.14
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	139.69	62.68
26 05 83 00-0142 AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	56.40	25.07
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	66.69	30.09
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.21	37.61
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.64	37.61
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.73	37.61
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.16	37.61
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	109.42	50.14
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.03	50.14
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	139.69	62.68
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	141.87	62.68
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	175.50	75.21
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.82	75.21
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	241.86	100.29
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	302.86	125.35
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	359.37	150.42
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	424.53	175.49
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	486.93	200.56
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	605.95	250.70
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	717.64	298.33
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	845.15	347.97
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,227.82	521.87
26 05 83 00-0164 AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	56.40	25.07
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	66.69	30.09
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.21	37.61
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.64	37.61
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	82.73	37.61
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.16	37.61
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	109.42	50.14
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.03	50.14
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	139.69	62.68
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	141.87	62.68
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	175.51	75.21
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.81	75.21
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	241.86	100.29
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	303.16	125.55
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	359.37	150.42

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	424.53	175.49
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	486.93	200.56
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	605.95	250.70
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	717.93	298.43
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	845.54	348.17
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,228.68	522.27
26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	56.62	25.07
26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding	278.01	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors (26 09 23)		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	322.09	80.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.14	
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	391.89	90.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	713.79	140.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.24	
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,092.07	190.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.32	
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,173.46	250.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.42	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	363.50	90.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	430.61	100.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.17	
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	778.77	160.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.27	
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,182.82	210.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.35	
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,337.74	275.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.47	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	423.85	100.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.17	
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	501.74	110.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.19	
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	932.57	180.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.30	
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,400.13	230.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.39	
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,948.77	300.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	180.50	
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	493.93	80.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.14	
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	619.72	90.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,168.11	140.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.24	
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,737.35	190.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.32	
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,274.84	250.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.42	
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	517.38 54.15	90.26
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	658.43 60.17	100.29
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,234.42 96.27	160.45
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,827.66 126.35	210.59
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,438.67 165.47	275.77
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	561.22 60.17	100.29
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	729.56 66.19	110.31
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,565.42 108.30	180.50
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,222.16 138.39	230.65
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,538.22 180.50	300.85
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.33 48.14	80.23
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	508.25 54.15	90.26
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	940.28 84.24	140.39
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,306.57 114.32	190.53
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,869.82 150.42	250.70
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.46 54.15	90.26
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	547.85 60.17	100.29
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,006.60 96.27	160.45
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,397.76 126.35	210.59
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,222.84 165.47	275.77
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	521.91 60.17	100.29
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	586.56 66.19	110.31
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,172.39 108.30	180.50
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,627.95 138.39	230.65
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,867.18 180.50	300.85
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.01 48.14	80.23
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	736.07 54.15	90.26
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,395.94 84.24	140.39
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,951.86 114.32	190.53
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,970.31 150.42	250.70

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	681.45	90.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.15	
EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	775.67	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17	
EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,462.25	160.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.27	
EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,043.49	210.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.35	
EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,324.21	275.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.47	
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	724.32	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17	
EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	814.39	110.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.19	
EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,805.24	180.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.30	
EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,449.99	230.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.39	
EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,424.21	300.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.50	
26 09 23 00-0080 Combination Lighting Contactors (26 09 23)		
Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	830.15	110.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.19	
EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,304.26	176.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.90	
EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,066.07	231.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.99	
EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,682.34	303.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.01	
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,437.02	110.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.19	
EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,239.54	176.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.90	
EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,698.15	231.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.99	
EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,770.08	303.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.01	
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	899.43	110.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.19	
EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,544.08	176.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,293.23 138.99	231.65
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,327.85 182.01	303.35
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,506.97 66.19	110.31
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,480.69 105.90	176.50
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,925.98 138.99	231.65
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,415.58 182.01	303.35
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.65 15.67	26.07
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.84 15.67	26.07
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.86 60.17	100.29
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,205.68 60.17	100.29
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,465.05 60.17	100.29
26 09 23 00-0114 Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,255.86 84.35	140.58
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,357.18 90.38	150.62
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,519.64 90.38	150.62
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,851.14 90.38	150.62
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,004.11 90.38	150.62
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,389.07 84.35	140.58
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,490.39 90.38	150.62
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,652.84 90.38	150.62
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,912.39 90.38	150.62
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,065.65 90.38	150.62
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.18 15.06	25.10
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.98 12.05	20.08
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.14 12.05	20.08
26 09 23 00-0131 Lighting Control Panels (Synergy) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0132 Lighting Control Panels (Synergy) <small>(26 09 23 00-0131)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,502.27 90.38	150.62
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0131)		
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	359.22 15.06	25.10
26 09 23 00-0136 EA Sweeps Switch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.38 6.02	10.04
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.27 9.04	15.06
26 09 23 00-0138 Lighting Switching Panels (Lutron) (26 09 23 00-0114)		
26 09 23 00-0139 Lighting Switching Panels (Lutron) (26 09 23 00-0138)		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,244.36 90.38	150.62
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,670.32 96.40	160.67
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,156.29 102.43	170.71
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0114)		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	573.07 84.35	140.58
26 09 23 00-0145 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	771.52 84.35	140.58
26 09 23 00-0146 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	981.52 84.35	140.58
26 09 23 00-0147 Power Filters (26 09 23 00-0114)		
26 09 23 00-0148 EA 600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17".....	23,214.00	835.65
26 09 23 00-0149 EA 200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17".....	13,652.26	363.32
26 09 23 00-0150 Signal Filters (26 09 23 00-0114)		
26 09 23 00-0151 EA 0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	10,854.56	759.74
26 09 23 00-0152 EA 0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	7,391.33	464.30
26 09 23 00-0153 EA 0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	4,129.59	269.56
26 09 23 00-0154 EA 5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case.....	5,565.77	269.56
26 09 23 00-0155 Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0156 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0157 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0158 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	266.27	15.06
26 09 23 00-0159 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	343.44	15.06
26 09 23 00-0160 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	430.26	15.06
26 09 23 00-0161 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0162 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	266.27	15.06
26 09 23 00-0163 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	314.50	15.06
26 09 23 00-0164 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	430.26	15.06
26 09 23 00-0165 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	266.27	15.06
26 09 23 00-0166 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	343.44	15.06
26 09 23 00-0167 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	430.26	15.06
26 09 23 00-0168 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0169 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	343.44	15.06
26 09 23 00-0170 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	430.26	15.06
26 09 23 00-0171 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	430.26	15.06



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26 09 23 00-0172	Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>	
26 09 23 00-0173 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	266.27	15.06
26 09 23 00-0174 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	343.44	15.06
26 09 23 00-0175 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	314.50	15.06
26 09 23 00-0176 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	382.03	15.06
26 09 23 00-0177 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	343.44	15.06
26 09 23 00-0178 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	410.97	15.06
26 09 23 00-0179 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	343.44	15.06
26 09 23 00-0180	Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>	
26 09 23 00-0181 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	266.27	15.06
26 09 23 00-0182 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	343.44	15.06
26 09 23 00-0183 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	343.44	15.06
26 09 23 00-0184 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	430.26	15.06
26 09 23 00-0185 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	343.44	15.06
26 09 23 00-0186 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	430.26	15.06
26 09 23 00-0187	Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>	
26 09 23 00-0188 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	266.27	15.06
26 09 23 00-0189 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	343.44	15.06
26 09 23 00-0190 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	430.26	15.06
26 09 23 00-0191	Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>	
26 09 23 00-0192 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	63.69	15.06
26 09 23 00-0193	Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>	
26 09 23 00-0194 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	246.97	15.06
26 09 23 00-0195 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	266.27	15.06
26 09 23 00-0196 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	266.27	15.06
26 09 23 00-0197 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	266.27	15.06
26 09 23 00-0198 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	266.27	15.06
26 09 23 00-0199 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	266.27	15.06
26 09 23 00-0200	Interfaces For Radio Controlled Devices <small>(26 09 23 00-0155)</small>	
26 09 23 00-0201 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	246.97	15.06
26 09 23 00-0202 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	246.97	15.06
26 09 23 00-0203 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	246.97	15.06
26 09 23 00-0204 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	492.00	15.06
26 09 23 00-0205 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	700.37	15.06
26 09 23 00-0206 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	700.37	15.06
26 09 23 00-0207	Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>	
26 09 23 00-0208 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	314.50	15.06
26 09 23 00-0209 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	353.09	15.06
26 09 23 00-0210 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	410.97	15.06
26 09 23 00-0211	AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>	
26 09 23 00-0212 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	459.20	15.06
26 09 23 00-0213 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	628.02	15.06
26 09 23 00-0214	Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0215 Occupancy Sensors <small>(26 09 23 00-0214)</small> Note: Exclude boxes.		
26 09 23 00-0216 Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0217 Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0218 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	97.69	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0219 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	114.44	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0220 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0221 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	72.99	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0222 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	72.99	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	80.05	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0224 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	94.16	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0225 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	95.92	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0226 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	97.69	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0227 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0228 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	125.03	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0229 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	142.66	10.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 09 23 00-0230 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0216)</small>		
26 09 23 00-0231 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.08	2.51
26 09 23 00-0232 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.22	2.51
26 09 23 00-0233 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.22	2.51
26 09 23 00-0234 Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0235 Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0236 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0237 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	131.62	22.59
26 09 23 00-0238 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	150.14	22.59
26 09 23 00-0239 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	167.77	22.59
26 09 23 00-0240 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	167.77	22.59
26 09 23 00-0241 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0242 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	139.55	22.59
26 09 23 00-0243 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	157.19	22.59
26 09 23 00-0244 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	174.83	22.59
26 09 23 00-0245 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	174.83	22.59
26 09 23 00-0246 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0247 EA 600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	136.91	22.59
26 09 23 00-0248 EA 1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	154.55	22.59
26 09 23 00-0249 EA 2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	172.18	22.59
26 09 23 00-0250 EA 90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	172.18	22.59
26 09 23 00-0251 EA 600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	146.61	22.59
26 09 23 00-0252 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	164.25	22.59
26 09 23 00-0253 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	182.77	22.59
26 09 23 00-0254 EA 90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	182.77	22.59
26 09 23 00-0255 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0256 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	146.61	22.59
26 09 23 00-0257 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	164.25	22.59
26 09 23 00-0258 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	182.77	22.59
26 09 23 00-0259 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	139.55	22.59
26 09 23 00-0260 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	157.19	22.59
26 09 23 00-0261 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	174.83	22.59
26 09 23 00-0262 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	139.55	22.59
26 09 23 00-0263 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	157.19	22.59
26 09 23 00-0264 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	174.83	22.59
26 09 23 00-0265 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0266 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	110.45	22.59
26 09 23 00-0267 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	113.10	22.59
26 09 23 00-0268 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	124.56	22.59
26 09 23 00-0269 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	129.85	22.59
26 09 23 00-0270 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	129.85	22.59
26 09 23 00-0271 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	141.32	22.59
26 09 23 00-0272 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	144.84	22.59
26 09 23 00-0273 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0274 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	180.12	22.59
26 09 23 00-0275 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	198.64	22.59
26 09 23 00-0276 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	198.64	22.59
26 09 23 00-0277 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0278 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0279 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	198.64	22.59
26 09 23 00-0280 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	198.64	22.59
26 09 23 00-0281 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0282 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	198.64	22.59
26 09 23 00-0283 Occupancy Sensor Power Packs <small>(26 09 23 00-0214)</small>		
26 09 23 00-0284 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0285 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	67.51	20.08
26 09 23 00-0286 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	67.51	20.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
26 09 23 00-0287 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0288 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	62.22	20.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
26 09 23 00-0289 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0283)</small>		
26 09 23 00-0290 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	74.56	20.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
26 09 23 00-0291 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0292 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	72.80	20.08
26 09 23 00-0293 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	72.80	20.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.05	
26 09 23 00-0294 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0295 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.79 12.05	20.08
26 09 23 00-0296 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.79 12.05	20.08
26 09 23 00-0297 Occupancy Sensor Power Supplies (26 09 23 00-0283)		
26 09 23 00-0298 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.34 12.05	20.08
26 09 23 00-0299 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.34 12.05	20.08
26 09 23 00-0300 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0301 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	234.19	20.08
26 09 23 00-0302 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0303 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	77.21	20.08
26 09 23 00-0304 Occupancy Sensor Accessories (26 09 23 00-0214)		
26 09 23 00-0305 Protective Cages For Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0306 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	44.16	7.53
26 09 23 00-0307 Mounting Brackets For Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0308 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	36.56	12.55
26 09 23 00-0309 Occupancy/Lighting Logger (26 09 23 00-0304) Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0310 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	324.34	42.68
26 09 23 00-0311 Remove And Reinstall Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0312 EA Remove And Reinstall Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	67.78	
26 09 23 00-0313 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	30.13	
26 09 23 00-0314 Digital Time Light Switches (26 09 23 00-0214)		
26 09 23 00-0315 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	71.23	10.04
26 09 23 00-0316 Daylight Sensing Light Switches (26 09 23 00-0214)		
26 09 23 00-0317 EA User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100).....	94.16	10.04
26 09 23 00-0318 Occupancy Sensors (Sensor Switch) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0319 Occupancy Sensors (Sensor Switch) (26 09 23 00-0318) Note: Exclude boxes		
26 09 23 00-0320 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0321 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0320)		
26 09 23 00-0322 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	102.58	10.04
26 09 23 00-0323 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.08 6.02	10.04
26 09 23 00-0324 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.06 6.02	10.04
26 09 23 00-0325 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.06 6.02	10.04
26 09 23 00-0326 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.83 6.02	10.04
26 09 23 00-0327 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	88.83	10.04
26 09 23 00-0328 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	106.02	10.04
26 09 23 00-0329 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	88.83	10.04
26 09 23 00-0330 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0320) Note: Includes passive infrared and microphonics detection		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0331 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	130.08	10.04
26 09 23 00-0332 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	102.58	10.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0333 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	100.52	10.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0334 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	100.52	10.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0335 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	116.33	10.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0336 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	116.33	10.04
26 09 23 00-0337 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	124.58	10.04
26 09 23 00-0338 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0320)</small>		
26 09 23 00-0339 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	10.52	2.51
26 09 23 00-0340 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	10.52	2.51
26 09 23 00-0341 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	18.77	2.51
26 09 23 00-0342 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	18.77	2.51
26 09 23 00-0343 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0319)</small>		
26 09 23 00-0344 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0343)</small>		
<i>Note: One photocell or dimming option per occupancy sensor</i>		
26 09 23 00-0345 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	127.69	22.59
26 09 23 00-0346 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	127.69	22.59
26 09 23 00-0347 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	127.69	22.59
26 09 23 00-0348 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	134.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0349 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	134.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0350 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	112.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0351 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	162.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0352 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	162.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0353 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	140.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0354 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	127.69	22.59
26 09 23 00-0355 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	127.69	22.59
26 09 23 00-0356 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	127.69	22.59
26 09 23 00-0357 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	134.57	22.59
26 09 23 00-0358 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	134.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0359 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	112.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0360 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	162.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0361 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	162.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0362 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	140.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 09 23 00-0363 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0343)</small>		
<i>Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection</i>		
26 09 23 00-0364 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	155.19	22.59
26 09 23 00-0365 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	155.19	22.59

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0366 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	155.19	22.59
26 09 23 00-0367 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	148.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0368 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	148.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0369 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	126.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0370 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	175.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0371 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	175.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0372 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	153.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0373 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	155.19	22.59
26 09 23 00-0374 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	155.19	22.59
26 09 23 00-0375 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	155.19	22.59
26 09 23 00-0376 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	148.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0377 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	148.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0378 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	126.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0379 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	175.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0380 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	175.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0381 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	153.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0382 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0383 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0382)		
26 09 23 00-0384 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	127.69	22.59
26 09 23 00-0385 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	141.44	22.59
26 09 23 00-0386 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	168.94	22.59
26 09 23 00-0387 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	162.07	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0388 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	189.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0389 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0382)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0390 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	155.19	22.59
26 09 23 00-0391 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	175.81	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0392 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	203.31	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0393 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0394 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0393)		
26 09 23 00-0395 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	127.69	22.59
26 09 23 00-0396 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	127.69	22.59
26 09 23 00-0397 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	127.69	22.59
26 09 23 00-0398 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	112.57	22.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0399	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6) 112.57	112.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0400	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6) 112.57	112.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0401	EA			2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P) 140.07	140.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0402	EA			2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) 140.07	140.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0403	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) 140.07	140.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0404	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0405	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0406	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0407	EA			480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0408	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0409	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) 122.19	122.19	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0410	EA			Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) 141.44	141.44	22.59
26 09 23 00-0411	EA			Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) 141.44	141.44	22.59
26 09 23 00-0412	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) 141.44	141.44	22.59
26 09 23 00-0413	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) 167.57	167.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0414	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) 167.57	167.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0415	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) 167.57	167.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0416	EA			2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) 149.69	149.69	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0417	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) 149.69	149.69	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0418	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) 129.07	129.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0419	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208) 129.07	129.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0420	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480) 129.07	129.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0421	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480) 129.07	129.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0422	EA			Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10) 141.44	141.44	22.59
26 09 23 00-0423	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10) 141.44	141.44	22.59
26 09 23 00-0424	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10) 167.57	167.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0425	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10) 167.57	167.57	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0426	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P) 162.07	162.07	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0427	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480) 148.31	148.31	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	
26 09 23 00-0428	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208) 148.31	148.31	22.59
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.56	13.56	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0429			Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0318)		
26 09 23 00-0430	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	78.67	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0431	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	106.17	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0432	EA		Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	64.92	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0433	EA		2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	60.79	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0434	EA		20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	74.55	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0435	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	108.92	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0436	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	108.92	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0437	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	108.92	20.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.05	
26 09 23 00-0438			Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0318)		
26 09 23 00-0439			Remove And Reinstall Occupancy Sensors (26 09 23 00-0438)		
26 09 23 00-0440	EA		Remove And Reinstall Wall Switch Mounted Occupancy Sensor.....	30.13	
			Note: Includes storing and cleaning.		
26 09 23 00-0441	EA		Remove And Reinstall Surface Mounted Occupancy Sensor.....	67.78	
			Note: Includes storing and cleaning.		
26 09 23 00-0442			Daylighting Control (Sensor Switch) (26 09 23 00-0318)		
26 09 23 00-0443	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	113.94	22.59
26 09 23 00-0444	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	113.94	22.59
26 09 23 00-0445	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	113.94	22.59
26 09 23 00-0446	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0447	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0448	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0449	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	113.94	22.59
26 09 23 00-0450	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	113.94	22.59
26 09 23 00-0451	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	113.94	22.59
26 09 23 00-0452	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0453	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0454	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	113.94	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0455	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	155.19	22.59
26 09 23 00-0456	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	155.19	22.59
26 09 23 00-0457	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	155.19	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0458	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	155.19	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0459	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	155.19	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0460	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	155.19	22.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 09 23 00-0461			Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0462			Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0461)		
			Note: Excludes boxes.		
26 09 23 00-0463			Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0464			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0463)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0465	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	177.10	10.04



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0466				360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0462)</small>		
26 09 23 00-0467				Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0466)</small>		
				Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0468	EA			Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	217.73	22.59
26 09 23 00-0469	EA			Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	217.73	22.59
26 09 23 00-0470	EA			Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	217.73	22.59
26 09 23 00-0471				Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0466)</small>		
				Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0472	EA			Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	252.24	22.59
26 09 23 00-0473	EA			Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	252.24	22.59
26 09 23 00-0474	EA			2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	260.86	22.59
26 09 23 00-0475				Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0462)</small>		
26 09 23 00-0476				Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0475)</small>		
				Note: Includes passive infrared and microphonics detection		
26 09 23 00-0477	EA			Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	252.24	22.59
26 09 23 00-0478				High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0462)</small>		
26 09 23 00-0479				Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0478)</small>		
26 09 23 00-0480	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	217.73	22.59
26 09 23 00-0481				Occupancy Sensor Power Packs (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0482	EA			150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	83.30	20.08
26 09 23 00-0483	EA			250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	100.57	20.08
26 09 23 00-0484	EA			30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	129.89	20.08
26 09 23 00-0485	EA			System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	129.89	20.08
26 09 23 00-0486				Occupancy Sensor Accessories (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0487	EA			RS232 AV Integrator (Sensor Switch nLight® nIO X).....	260.86	22.59
26 09 23 00-0488	EA			8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	347.16	22.59
26 09 23 00-0489				Daylighting Controls (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0490	EA			Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	183.23	22.59
26 09 23 00-0491				Controls (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
26 09 23 00-0492	EA			On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	126.29	22.59
26 09 23 00-0493	EA			1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	174.61	22.59
26 09 23 00-0494	EA			On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	381.65	22.59
26 09 23 00-0495	EA			3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	381.65	22.59
26 09 23 00-0496	EA			3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,382.41	22.59
26 09 23 00-0497				Occupancy Sensors (Lutron) <small>(26 09 23)</small>		
				Note: Includes testing of new devices and certification.		
26 09 23 00-0498				Wireless Occupancy Sensors <small>(26 09 23 00-0497)</small>		
26 09 23 00-0499	EA			Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	102.92	22.59
26 09 23 00-0500	EA			Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	102.92	22.59
26 09 23 00-0501	EA			Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	102.92	22.59
26 09 23 00-0502	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	102.92	22.59
26 09 23 00-0503	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	102.92	22.59
26 09 23 00-0504	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	102.92	22.59
26 09 23 00-0505	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	102.92	22.59

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0506 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	75.61	22.59
26 09 23 00-0507 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	146.43	22.59
26 09 23 00-0508 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	154.86	22.59
26 09 23 00-0509 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	180.03	22.59
26 09 23 00-0510 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	193.93	22.59
26 09 23 00-0511 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	193.32	22.59
26 09 23 00-0512 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	205.05	22.59
26 09 23 00-0513 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	137.68	22.59
26 09 23 00-0514 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	123.27	22.59
26 09 23 00-0515 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	154.19	22.59
26 09 23 00-0516 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	160.07	22.59
26 09 23 00-0517 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	187.04	22.59
26 09 23 00-0518 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	157.54	22.59
26 09 23 00-0519 Nodes And Modules <small>(26 09 23 00-0497)</small>		
26 09 23 00-0520 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	140.27	22.59
26 09 23 00-0521 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	140.27	22.59
26 09 23 00-0522 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	178.30	22.59
26 09 23 00-0523 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	178.30	22.59
26 09 23 00-0524 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	238.24	25.10
26 09 23 00-0525 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	252.34	25.10
26 09 23 00-0526 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	294.39	25.10
26 09 23 00-0527 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	295.97	25.10
26 09 23 00-0528 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	363.90	25.10
26 09 23 00-0529 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	395.76	25.10
26 09 23 00-0530 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	381.66	25.10
26 09 23 00-0531 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	882.57	40.17
26 09 23 00-0532 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,165.07	45.19
26 09 23 00-0533 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,452.43	50.21
26 09 23 00-0534 Other Accessories <small>(26 09 23 00-0497)</small>		
26 09 23 00-0535 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	30.86	
26 09 23 00-0536 EA Pico® Wireless Control (Lutron® PJ).....	44.36	
26 09 23 00-0537 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	78.57	
26 09 23 00-0538 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	160.60	
26 09 23 00-0539 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	160.48	22.59
26 09 23 00-0540 EA seeTouch® QS Wallstation (Lutron® QSWS2).....	232.53	22.59
26 09 23 00-0541 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	261.35	22.59
26 09 23 00-0542 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	367.25	25.10
26 09 23 00-0543 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	482.54	25.10
26 09 23 00-0544 EA Control Interface (Lutron® QSE-CI-NWK-E).....	585.61	22.59
26 09 23 00-0545 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	590.15	22.59
26 09 23 00-0546 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	784.78	22.59
26 09 23 00-0547 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,693.70	701.97
26 09 23 00-0548 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,151.55	701.97
26 09 23 00-0549 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0550 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	104.34	22.59
26 09 23 00-0551 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	113.24	22.59
26 09 23 00-0552 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	109.58	22.59
26 09 23 00-0553 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	120.14	22.59
26 09 23 00-0554 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0555 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0554)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0556	Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0556)</small>	
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0557 EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	182.68
26 09 23 00-0558 EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	251.69
26 09 23 00-0559	Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0559)</small>	
26 09 23 00-0560 EA	Retrofit Receptacle Kit (Roam® DUR103).....	39.47
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0561 EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,011.31
		54.77
26 09 23 00-0562	Consoles <small>(26 09 23)</small>	
26 09 23 00-0563 EA	20" X 24" Oil Tight Console, Counter Mounted.....	410.81
		125.35
26 09 23 00-0564	Emergency Lighting Controls <small>(26 09 23)</small>	
26 09 23 00-0565	Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0564)</small>	
Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0566 EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	153.11
		25.10
26 09 23 00-0567 EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	149.96
		25.10
26 09 23 00-0568	Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0564)</small>	
Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0569 EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	226.17
		35.14
26 09 23 00-0570 EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	302.94
		40.17
26 09 23 00-0571 EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	402.11
		45.19
Note: Controls normal and emergency lighting from single-pole wall switch.		
26 10 Medium-Voltage Electrical Distribution <small>(26)</small>		
26 11 Substations <small>(26 10)</small>		
26 11 13 Primary Unit Substations <small>(26 11)</small>		
26 11 13 00-0001	"Switchyard" Substation Primary Incoming Section <small>(26 11 13)</small>	
26 11 13 00-0002	Outdoor Oil Circuit Breakers "Switchyard" <small>(26 11 13 00-0001)</small>	
Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003 EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	33,671.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,050.67
26 11 13 00-0004 EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	41,335.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,313.33
26 11 13 00-0005 EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	46,615.46
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,313.33
26 11 13 00-0006 EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	53,469.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,400.89
26 11 13 00-0007 EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	60,694.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,616.41
26 11 13 00-0008	Accessories For Outdoor Oil Circuit Breakers <small>(26 11 13 00-0001)</small>	
26 11 13 00-0009 EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,022.45
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.57
26 11 13 00-0010 EA	Overcurrent Relay, 1 Phase, #51/51N	370.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.41
26 11 13 00-0011 EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	533.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.23
26 11 13 00-0012 EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	423.01
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.41
26 11 13 00-0013 EA	Differential Relay Package, Complete, Device No. 87	1,582.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	271.25
26 11 13 00-0014	"Switchyard", Substation Transformer Section <small>(26 11 13)</small>	
26 11 13 00-0015	14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>	
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11	13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	19,935.98	1,721.58
			<i>For 50 Hz Operation, Add</i>	1,972.05	
			<i>For Forced Air Cooling, Add</i>	1,972.05	
			<i>For External Control Panel, Add</i>	493.01	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	164.34	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	821.69	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,054.22	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	2,465.06	
26 11	13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	22,930.80	2,157.03
			<i>For 50 Hz Operation, Add</i>	2,226.36	
			<i>For Forced Air Cooling, Add</i>	2,226.36	
			<i>For External Control Panel, Add</i>	556.59	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	185.53	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	927.65	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,319.13	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	2,782.95	
26 11	13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	35,095.57	3,038.07
			<i>For 50 Hz Operation, Add</i>	3,464.33	
			<i>For Forced Air Cooling, Add</i>	3,464.33	
			<i>For External Control Panel, Add</i>	866.08	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	288.69	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,443.47	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	3,608.68	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	4,330.41	
26 11	13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	50,319.73	3,592.93
			<i>For 50 Hz Operation, Add</i>	5,108.43	
			<i>For Forced Air Cooling, Add</i>	5,108.43	
			<i>For External Control Panel, Add</i>	1,277.11	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	425.70	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,128.51	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,321.29	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,385.54	
26 11	13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	62,043.41	4,649.67
			<i>For 50 Hz Operation, Add</i>	6,282.79	
			<i>For Forced Air Cooling, Add</i>	6,282.79	
			<i>For External Control Panel, Add</i>	1,570.70	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	523.57	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,617.83	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	6,544.57	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	7,853.49	
26 11	13 00-0021		23 KV Nominal Primary (26 11 13 00-0014)		
26 11	13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	22,455.33	2,329.18
			<i>For 50 Hz Operation, Add</i>	2,169.31	
			<i>For External Control Panel, Add</i>	542.33	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	180.78	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	903.88	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,259.69	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	2,711.63	
			<i>For Forced Air Cooling, Add</i>	1,446.20	
26 11	13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	25,742.54	2,329.18
			<i>For 50 Hz Operation, Add</i>	2,454.74	
			<i>For External Control Panel, Add</i>	613.68	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	204.56	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,022.81	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,557.02	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	3,068.42	
			<i>For Forced Air Cooling, Add</i>	1,636.49	
26 11	13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	40,767.00	3,443.15
			<i>For 50 Hz Operation, Add</i>	4,051.51	
			<i>For External Control Panel, Add</i>	1,012.88	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	337.63	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,688.13	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,220.32	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,064.38	
			<i>For Forced Air Cooling, Add</i>	2,701.00	
26 11	13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	54,703.70	4,649.67
			<i>For 50 Hz Operation, Add</i>	5,402.03	
			<i>For External Control Panel, Add</i>	1,350.51	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	450.17	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,250.84	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,627.11	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,752.53	
			<i>For Forced Air Cooling, Add</i>	3,601.35	
26 11	13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	66,936.57	4,649.67
			<i>For 50 Hz Operation, Add</i>	6,869.97	
			<i>For External Control Panel, Add</i>	1,717.49	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	572.50	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,862.49	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	7,156.22	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	8,587.46	
			<i>For Forced Air Cooling, Add</i>	4,579.98	

26 11 13 00-0027 **34.5 KV Nominal Primary** (26 11 13 00-0014)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	28,121.15	2,784.90
For 50 Hz Operation, Add	2,740.17	
For External Control Panel, Add	685.04	
For Internally Mounted Current Transformers And Linear Couplers, Add	228.35	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,141.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,854.35	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,425.22	
For Forced Air Cooling, Add	1,826.78	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	33,959.68	4,354.57
For 50 Hz Operation, Add	3,311.04	
For External Control Panel, Add	827.76	
For Internally Mounted Current Transformers And Linear Couplers, Add	275.92	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,379.60	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,449.00	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,138.80	
For Forced Air Cooling, Add	2,207.36	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,922.19	4,354.57
For 50 Hz Operation, Add	4,580.00	
For External Control Panel, Add	1,145.00	
For Internally Mounted Current Transformers And Linear Couplers, Add	381.67	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,908.33	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,770.83	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,725.00	
For Forced Air Cooling, Add	3,053.33	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	59,596.81	4,544.00
For 50 Hz Operation, Add	5,989.20	
For External Control Panel, Add	1,497.30	
For Internally Mounted Current Transformers And Linear Couplers, Add	499.10	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,495.50	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,238.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,486.50	
For Forced Air Cooling, Add	3,992.80	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,454.32	5,812.09
For 50 Hz Operation, Add	10,686.62	
For External Control Panel, Add	2,671.66	
For Internally Mounted Current Transformers And Linear Couplers, Add	890.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,452.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,131.90	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,358.28	
For Forced Air Cooling, Add	7,124.42	
26 11 13 00-0033 46 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	42,490.90	3,240.61
For 50 Hz Operation, Add	4,334.79	
For External Control Panel, Add	1,083.70	
For Internally Mounted Current Transformers And Linear Couplers, Add	361.23	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,806.16	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,515.40	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,418.48	
For Forced Air Cooling, Add	2,889.86	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	47,957.90	3,240.61
For 50 Hz Operation, Add	4,914.41	
For External Control Panel, Add	1,228.60	
For Internally Mounted Current Transformers And Linear Couplers, Add	409.53	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,047.67	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,119.18	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,143.02	
For Forced Air Cooling, Add	3,276.28	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,088.65	4,354.57
For 50 Hz Operation, Add	6,879.97	
For External Control Panel, Add	1,719.99	
For Internally Mounted Current Transformers And Linear Couplers, Add	573.33	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,866.66	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,166.64	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,599.97	
For Forced Air Cooling, Add	4,586.65	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,291.56	5,812.09
For 50 Hz Operation, Add	8,267.09	
For External Control Panel, Add	2,066.77	
For Internally Mounted Current Transformers And Linear Couplers, Add	688.92	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,444.62	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,611.56	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,333.87	
For Forced Air Cooling, Add	5,511.40	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	113,717.50	5,812.09
For 50 Hz Operation, Add	12,158.21	
For External Control Panel, Add	3,039.55	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,013.18	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,065.92	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,664.80	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,197.76	
For Forced Air Cooling, Add	8,105.47	

26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	60,378.49	3,443.15
For 50 Hz Operation, Add	6,404.88	
For External Control Panel, Add	1,601.22	
For Internally Mounted Current Transformers And Linear Couplers, Add	533.74	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,668.70	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,671.76	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,006.11	
For Forced Air Cooling, Add	4,269.92	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	69,605.47	4,354.57
For 50 Hz Operation, Add	7,301.99	
For External Control Panel, Add	1,825.50	
For Internally Mounted Current Transformers And Linear Couplers, Add	608.50	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,042.50	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,606.24	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,127.49	
For Forced Air Cooling, Add	4,867.99	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	94,465.78	4,354.57
For 50 Hz Operation, Add	10,285.23	
For External Control Panel, Add	2,571.31	
For Internally Mounted Current Transformers And Linear Couplers, Add	857.10	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,285.51	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,713.78	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,856.53	
For Forced Air Cooling, Add	6,856.82	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	101,098.52	5,812.09
For 50 Hz Operation, Add	10,643.93	
For External Control Panel, Add	2,660.98	
For Internally Mounted Current Transformers And Linear Couplers, Add	886.99	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,434.97	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,087.43	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,304.91	
For Forced Air Cooling, Add	7,095.95	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	131,041.63	5,812.09
For 50 Hz Operation, Add	14,237.10	
For External Control Panel, Add	3,559.28	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,186.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,932.13	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,830.31	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,796.38	
For Forced Air Cooling, Add	9,491.40	
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,307.78	828.61
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	38,702.85	828.61
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	44,130.92	1,029.26
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	41,480.52	1,237.64
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,609.48	1,237.64
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,194.60	1,437.86
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,962.80	1,642.75
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	61,348.65	1,642.75
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,397.39	1,844.83
26 11 16 Secondary Unit Substations <small>(26 11)</small>		
26 11 16 00-0001 Substation Primary Incoming Section <small>(26 11 16)</small>		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,507.10	1,216.78
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	24,696.12	1,216.78
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	30,293.69	1,216.78
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	32,369.13	1,216.78
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	5,127.58	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	499.10	
26 11 16 00-0011 Oil Filled Substation Transformers <small>(26 11 16)</small>		
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ <small>(26 11 16 00-0011)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,895.33	708.89
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	593.43	
For Control Power Transformer On Fans And Auxiliary, Add	254.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	84.78	
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	14,181.41	759.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	886.37	
For Control Power Transformer On Fans And Auxiliary, Add	379.87	
For Internal Mounted Current Transformer And Linear Coupler, Add	126.62	
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,971.62	810.15
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,004.59	
For Control Power Transformer On Fans And Auxiliary, Add	430.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.51	
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,632.99	860.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,183.80	
For Control Power Transformer On Fans And Auxiliary, Add	507.34	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.11	
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	20,512.67	911.42
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,308.29	
For Control Power Transformer On Fans And Auxiliary, Add	560.69	
For Internal Mounted Current Transformer And Linear Coupler, Add	186.90	
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,653.51	962.05
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,381.06	
For Control Power Transformer On Fans And Auxiliary, Add	591.88	
For Internal Mounted Current Transformer And Linear Coupler, Add	197.29	
26 11 16 00-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,036.46	2,177.29
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,610.77	
For Control Power Transformer On Fans And Auxiliary, Add	690.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	230.11	
26 11 16 00-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	26,744.68	1,139.28
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,712.63	
For Control Power Transformer On Fans And Auxiliary, Add	733.98	
For Internal Mounted Current Transformer And Linear Coupler, Add	244.66	
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	29,816.13	1,215.23
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,917.00	
For Control Power Transformer On Fans And Auxiliary, Add	821.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	273.86	
26 11 16 00-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,443.51	1,316.50
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,226.74	
For Control Power Transformer On Fans And Auxiliary, Add	954.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	318.11	
26 11 16 00-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,791.63	1,417.77
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,446.93	
For Control Power Transformer On Fans And Auxiliary, Add	1,048.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	349.56	
26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,472.40	708.89
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	563.82	
For Control Power Transformer On Fans And Auxiliary, Add	241.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	80.55	
26 11 16 00-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	14,044.26	759.51
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	876.77	
For Control Power Transformer On Fans And Auxiliary, Add	375.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	125.25	
26 11 16 00-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,962.26	810.15
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,003.94	
For Control Power Transformer On Fans And Auxiliary, Add	430.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.42	
26 11 16 00-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,649.09	860.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,184.93	
For Control Power Transformer On Fans And Auxiliary, Add	507.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.28	
26 11 16 00-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	22,156.09	911.42
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,423.33	
For Control Power Transformer On Fans And Auxiliary, Add	610.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	203.33	
26 11 16 00-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	23,699.87	962.05
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,524.30	
For Control Power Transformer On Fans And Auxiliary, Add	653.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	217.76	
26 11 16 00-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,981.39	1,012.69
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,676.92	
For Control Power Transformer On Fans And Auxiliary, Add	718.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	239.56	
26 11 16 00-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,372.41	1,139.28
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,826.57	
For Control Power Transformer On Fans And Auxiliary, Add	782.82	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.94	
26 11 16 00-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,921.03	1,215.23
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.34	
For Control Power Transformer On Fans And Auxiliary, Add	884.72	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.91	

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 11 16 00-0034	Accessories For Oil Filled Substation Transformers <small>(26 11 16 00-0011)</small>		
26 11 16 00-0035	EA Sudden Pressure Relay	2,569.52	
26 11 16 00-0036	EA Throats Or Flanges (HV Or LV)	5,101.36	
26 11 16 00-0037	EA Lightning Arrestors (3 - 1 Pole)	3,359.05	
26 11 16 00-0038	EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	18,641.04	
26 11 16 00-0039	EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	17,440.55	
26 11 16 00-0040	Reinforced Concrete Curb With 6" Slab <small>(26 11 16 00-0011)</small>		
	Note: For transformer liquid containment area.		
26 11 16 00-0041	EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0042	EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0043	EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0044	EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0045	EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0046	EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0047	EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	3,320.36	1,004.75
26 11 16 00-0048	EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid	3,862.89	1,158.50
26 11 16 00-0049	Dry Type Substation Transformer <small>(26 11 16)</small>		
	Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 00-0050	Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small>		
	Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051	EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,923.00	810.15
	For Gas Filled Transformers, Add	9,181.61	
	For Single Phase Transformers, Deduct	-382.57	
	For Dry Type Unit, Add	3,528.62	
26 11 16 00-0052	EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,024.27	860.78
	For Gas Filled Transformers, Add	9,181.61	
	For Single Phase Transformers, Deduct	-382.57	
	For Dry Type Unit, Add	3,538.75	
26 11 16 00-0053	EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,527.41	1,012.69
	For Gas Filled Transformers, Add	9,301.21	
	For Single Phase Transformers, Deduct	-387.55	
	For Dry Type Unit, Add	3,612.98	
26 11 16 00-0054	EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	19,341.83	1,113.96
	For Gas Filled Transformers, Add	10,268.34	
	For Single Phase Transformers, Deduct	-427.85	
	For Dry Type Unit, Add	3,987.85	
26 11 16 00-0055	EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,548.68	1,316.50
	For Gas Filled Transformers, Add	11,349.41	
	For Single Phase Transformers, Deduct	-472.89	
	For Dry Type Unit, Add	4,424.75	
26 11 16 00-0056	EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,959.37	1,519.04
	For Gas Filled Transformers, Add	13,152.78	
	For Single Phase Transformers, Deduct	-548.03	
	For Dry Type Unit, Add	5,126.49	
26 11 16 00-0057	EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	29,038.74	1,822.85
	For Gas Filled Transformers, Add	15,235.83	
	For Single Phase Transformers, Deduct	-634.83	
	For Dry Type Unit, Add	5,951.04	
26 11 16 00-0058	EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	34,193.13	2,025.39
	For Gas Filled Transformers, Add	18,085.42	
	For Single Phase Transformers, Deduct	-753.56	
	For Dry Type Unit, Add	7,036.40	
26 11 16 00-0059	EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,804.87	2,126.66
	For Gas Filled Transformers, Add	23,730.94	
	For Single Phase Transformers, Deduct	-988.79	
	For Dry Type Unit, Add	9,126.68	
26 11 16 00-0060	Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small>		
	Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061	EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	16,379.95	810.15
	For Gas Filled Transformers, Add	8,855.78	
	For Single Phase Transformers, Deduct	-368.99	
	For Dry Type Unit, Add	3,409.15	
26 11 16 00-0062	EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,024.27	860.78
	For Gas Filled Transformers, Add	9,181.61	
	For Single Phase Transformers, Deduct	-382.57	
	For Dry Type Unit, Add	3,538.75	
26 11 16 00-0063	EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,527.41	1,012.69
	For Gas Filled Transformers, Add	9,301.21	
	For Single Phase Transformers, Deduct	-387.55	
	For Dry Type Unit, Add	3,612.98	
26 11 16 00-0064	EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	19,341.83	1,113.96
	For Gas Filled Transformers, Add	10,268.34	
	For Single Phase Transformers, Deduct	-427.85	
	For Dry Type Unit, Add	3,987.85	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,548.68 11,349.41 -472.89 4,424.75	1,316.50
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,959.37 13,152.78 -548.03 5,126.49	1,519.04
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,038.74 15,235.83 -634.83 5,951.04	1,822.85
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	34,193.13 18,085.42 -753.56 7,036.40	2,025.39
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,804.87 23,730.94 -988.79 9,126.68	2,126.66
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,971.98 26,109.68 -1,087.90 10,019.13	2,227.93
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	53,380.57 29,233.31 -1,218.05 11,184.72	2,329.18
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	61,267.42 33,843.90 -1,410.16 12,895.52	2,430.45
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,249.31 9,855.88 -410.66 3,796.11	911.42
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,890.49 10,179.82 -424.16 3,925.01	962.05
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,300.80 10,843.72 -451.82 4,198.82	1,113.96
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,476.41 11,427.58 -476.15 4,433.16	1,215.23
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,524.54 13,013.41 -542.23 5,055.14	1,417.77
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	27,232.09 14,394.89 -599.79 5,602.19	1,620.31
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	31,834.09 16,791.52 -699.65 6,541.71	1,924.12
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	38,352.40 20,459.46 -852.48 7,927.13	2,126.66
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	45,981.85 24,915.61 -1,038.15 9,581.31	2,227.93
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,249.31 9,855.88 -410.66 3,796.11	911.42
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,890.49 10,179.82 -424.16 3,925.01	962.05

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26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	20,300.80	1,113.96
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,198.82	
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,476.41	1,215.23
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,433.16	
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,524.54	1,417.77
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,055.14	
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,093.07	1,620.31
For Gas Filled Transformers, Add	12,511.48	
For Single Phase Transformers, Deduct	-521.31	
For Dry Type Unit, Add	4,911.60	
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,385.34	1,924.12
For Gas Filled Transformers, Add	12,922.27	
For Single Phase Transformers, Deduct	-538.43	
For Dry Type Unit, Add	5,122.99	
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,963.98	2,126.66
For Gas Filled Transformers, Add	16,026.41	
For Single Phase Transformers, Deduct	-667.77	
For Dry Type Unit, Add	6,301.68	
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	36,405.47	2,227.93
For Gas Filled Transformers, Add	19,169.78	
For Single Phase Transformers, Deduct	-798.74	
For Dry Type Unit, Add	7,474.50	
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	40,524.51	2,329.18
For Gas Filled Transformers, Add	21,519.68	
For Single Phase Transformers, Deduct	-896.65	
For Dry Type Unit, Add	8,356.39	
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	47,252.13	2,430.45
For Gas Filled Transformers, Add	25,434.73	
For Single Phase Transformers, Deduct	-1,059.78	
For Dry Type Unit, Add	9,812.16	
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	57,467.54	2,531.72
For Gas Filled Transformers, Add	31,442.45	
For Single Phase Transformers, Deduct	-1,310.10	
For Dry Type Unit, Add	12,035.24	
26 11 16 00-0096 Substation Secondary Distribution Section (26 11 16)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker (26 11 16 00-0096)		
Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	9,032.15	863.66
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	14,482.38	1,305.78
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	19,626.06	1,603.95
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	32,073.01	1,860.99
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	41,074.66	2,118.03
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker (26 11 16 00-0096)		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,007.72	262.18
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,630.66	262.18
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,056.54	385.56
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,569.76	385.56
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,222.11	565.50
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering (26 11 16 00-0096)		
Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,336.77	293.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.56	
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,906.32	293.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	196.70	
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section.....	3,828.82	452.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	282.75	
26 11 16 00-0113 Accessories For Substation Secondary Distribution (26 11 16 00-0096)		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,222.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section.....	972.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	2,870.40	91.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	2,870.40	91.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	3,765.04	91.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.01	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,848.01 55.01	91.67
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,169.27 62.68	104.49
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,919.84 928.53	1,547.54
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,354.23	91.67
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,573.44	91.67
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	837.20 27.50	45.84
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,064.40 55.01	91.67
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	799.53	45.84

26 12 Medium-Voltage Transformers ^(26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers ^(26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers ^(26 12 13)

26 12 13 00-0002 EA Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA	1,024.91	
26 12 13 00-0003 EA Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA	1,886.12	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers ^(26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA ^(26 12 13 00-0004)

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,525.55	413.47
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,863.37	516.84
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,196.08	620.21
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,801.10	775.26
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,339.95	930.31
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,305.92	1,085.37
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,113.72	1,292.10

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA ^(26 12 13 00-0004)

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,525.55	413.47
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,882.56	516.84
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,196.08	620.21
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,801.10	775.26
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,339.95	930.31
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,108.74	1,085.37
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,013.59	1,292.10

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps

FCBN And FCAN ^(26 12 13 00-0004)

26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,503.17	413.47
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,802.62	516.84
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,136.00	620.21
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,787.24	775.26
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,281.41	930.31
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,145.71	1,085.37
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,022.83	1,292.10

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent

Taps FCBN And FCAN ^(26 12 13 00-0004)

26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,607.09	413.47
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,909.73	516.84
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,416.61	620.21
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,037.03	775.26
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,561.43	930.31
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,559.84	1,085.37
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,691.38	1,292.10

26 12 13 00-0037 Transformer Platforms ^(26 12 13 00-0004)

26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA.....	3,915.65	698.26
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26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops

FCBN Auto FCAN ^(26 12 13 00-0004)

26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,528.79	826.95
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,823.15	930.31
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,244.55	1,033.68

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,379.60	1,447.16
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,007.41	1,653.90
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,526.88	2,067.37
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,663.71	2,274.10
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,971.25	2,894.32
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,894.20	3,307.79
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,504.17	4,134.74
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,431.77	5,168.42
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,525.55	506.30
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,863.37	632.82
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,195.66	758.62
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,802.09	950.68
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,338.99	1,138.81
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,304.62	1,326.32
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,113.72	1,582.16
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,525.55	506.30
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,882.56	632.82
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,195.66	758.62
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,802.09	950.68
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,338.99	1,138.81
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,107.44	1,326.32
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,013.59	1,582.16
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,357.41	413.47
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,657.15	516.84
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,951.13	620.21
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,497.39	775.26
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,059.08	930.31
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,201.03	1,085.37
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,909.50	1,292.10
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,306.54	413.47
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,593.20	516.84
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,922.06	620.21
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,439.26	775.26
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,979.15	930.31
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,910.37	1,085.37
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,618.84	1,292.10
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers (26 12 13)		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V (26 12 13 00-0084) Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	7,109.12	2,274.10
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,079.61	2,894.32
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,617.67	3,101.05
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	13,545.15	3,876.31
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	19,120.79	5,168.42
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	25,515.81	5,943.68
26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)		
26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)		
26 12 16 00-0002 EA Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA.....	420.27	
26 12 16 00-0003 EA Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA.....	1,867.85	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers (26 12 19) Note: Designed for residential and multi-family buildings. UL listed.		



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Medium-Voltage Transformers	26 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,732.94	506.35
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,074.60	506.35
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,660.40	693.69
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,411.93	693.69
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,979.96	911.42
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,419.98	911.42
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	433.22	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	455.20	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications.....	500.72	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,268.72	506.35
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,760.19	506.35
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,123.45	693.69
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,013.10	693.69
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,604.69	911.42
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,790.42	911.42
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	10,373.17	1,265.86
26 12 19 00-0023 Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	577.63	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications.....	146.36	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	455.20	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications.....	740.87	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications.....	197.78	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	171.09	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,481.61	506.35
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,830.78	506.35
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,095.60	693.69
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,842.35	693.69
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,958.21	911.42
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,413.05	911.52
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	9,378.95	1,265.86
26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small> Note: Conventional type.		
26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small> Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,385.67	347.65
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,039.86	488.88

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,582.91	782.21
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,732.20	782.21
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,513.34	1,281.96
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,716.65	1,281.96
26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,328.99	369.38
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,550.30	369.38
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,972.75	521.47
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,894.42	521.47
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,493.45	706.16
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,587.44	1,086.41
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,399.98	1,086.41
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,541.66	1,358.01
26 12 19 00-0056 7.2 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,328.99	369.38
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,550.35	369.38
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,972.75	521.47
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,894.42	521.47
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,493.45	706.16
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,742.44	956.04
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,587.44	956.04
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,399.98	1,205.92
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,541.66	1,358.01
26 12 19 00-0066 2.4 KV Primary, 277 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,506.86	369.38
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,744.14	369.38
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,202.58	521.47
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,188.01	521.47
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,829.41	706.16
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,122.36	956.04
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,209.03	956.04
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,272.44	1,205.92
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,724.39	1,358.01
26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,328.99	369.38
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,550.30	369.38
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,972.75	709.53
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,894.42	956.04
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,493.45	706.16
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,591.79	956.04
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,586.27	956.04
26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,328.99	369.38
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,550.30	369.38
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,972.75	521.47
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,894.42	521.47
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,493.45	706.16
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,591.79	956.04
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,586.27	956.04
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,052.36	380.25
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,237.78	423.69
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,671.32	467.15
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,468.58	651.85
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,904.18	760.48
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,200.23	890.86
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,188.12	1,021.22
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,317.79	1,303.69
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,449.01	1,466.65

26 13 Medium-Voltage Switchgear (26 10)

26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)



Electrical	26
Medium-Voltage Electrical Distribution	26 10
Medium-Voltage Switchgear	26 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 8,353.11	8,353.11	1,129.87
For Weatherproofing, Add 1,679.25	1,679.25	
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 8,725.30	8,725.30	1,129.87
For Weatherproofing, Add 1,761.13	1,761.13	
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 11,751.18	11,751.18	1,439.49
For Weatherproofing, Add 2,394.66	2,394.66	
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 15,772.66	15,772.66	1,439.49
For Weatherproofing, Add 3,255.16	3,255.16	
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 22,263.71	22,263.71	1,738.26
For Weatherproofing, Add 4,654.27	4,654.27	
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 20,497.88	20,497.88	1,738.26
For Weatherproofing, Add 4,253.48	4,253.48	
26 13 16 00-0009 7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 12,134.74	12,134.74	1,303.69
For Weatherproofing, Add 2,494.82	2,494.82	
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 14,974.54	14,974.54	1,629.61
For Weatherproofing, Add 3,066.02	3,066.02	
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 20,764.37	20,764.37	1,955.53
For Weatherproofing, Add 4,301.32	4,301.32	
26 13 16 00-0013 13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 11,813.01	11,813.01	1,303.69
For Weatherproofing, Add 2,409.69	2,409.69	
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 16,048.78	16,048.78	1,303.69
For Weatherproofing, Add 3,310.30	3,310.30	
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 23,090.80	23,090.80	1,738.26
For Weatherproofing, Add 4,823.92	4,823.92	
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 14,879.38	14,879.38	1,738.26
For Weatherproofing, Add 3,032.04	3,032.04	
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 21,188.90	21,188.90	2,172.81
For Weatherproofing, Add 4,388.98	4,388.98	
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 29,244.21	29,244.21	2,172.81
For Weatherproofing, Add 6,128.31	6,128.31	
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 20,503.61	20,503.61	2,172.81
For Weatherproofing, Add 4,229.13	4,229.13	
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 28,015.17	28,015.17	2,172.81
For Weatherproofing, Add 5,850.38	5,850.38	
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section 35,975.13	35,975.13	2,172.81
For Weatherproofing, Add 7,571.97	7,571.97	
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 3,903.64	3,903.64	711.60
For Weatherproofing, Add 759.00	759.00	
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 4,912.67	4,912.67	711.60
For Weatherproofing, Add 980.99	980.99	
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 5,456.48	5,456.48	945.18
For Weatherproofing, Add 1,068.40	1,068.40	
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 6,761.20	6,761.20	1,167.89
For Weatherproofing, Add 1,323.92	1,323.92	
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 8,803.39	8,803.39	1,167.89
For Weatherproofing, Add 1,773.20	1,773.20	
26 13 16 00-0029 7.2 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 4,870.79	4,870.79	1,086.41
For Weatherproofing, Add 957.90	957.90	
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 6,356.60	6,356.60	1,086.41
For Weatherproofing, Add 1,252.77	1,252.77	
26 13 16 00-0032 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 9,454.22	9,454.22	1,086.41
For Weatherproofing, Add 1,902.66	1,902.66	
26 13 16 00-0033 13.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0034 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 5,085.11	5,085.11	923.45
For Weatherproofing, Add 990.05	990.05	
26 13 16 00-0035 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 5,377.13	5,377.13	923.45
For Weatherproofing, Add 1,054.29	1,054.29	
26 13 16 00-0036 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section 7,575.12	7,575.12	1,140.73
For Weatherproofing, Add 1,506.09	1,506.09	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0037	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,018.82	1,368.87
			<i>For Weatherproofing, Add</i>	1,352.10	
26 13 16 00-0038	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,394.97	1,368.87
			<i>For Weatherproofing, Add</i>	1,654.85	
26 13 16 00-0039	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,671.77	1,597.02
			<i>For Weatherproofing, Add</i>	1,903.46	
26 13 16 00-0040	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,309.45	1,825.16
			<i>For Weatherproofing, Add</i>	1,792.02	
26 13 16 00-0041	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,252.43	1,825.16
			<i>For Weatherproofing, Add</i>	1,999.48	
26 13 16 00-0042	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,482.56	2,042.45
			<i>For Weatherproofing, Add</i>	2,458.10	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)

26 13 16 00-0044	EA		1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	2,658.24	688.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	413.08	
26 13 16 00-0045	EA		2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,249.24	763.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	458.40	
26 13 16 00-0046	EA		3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,181.51	919.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	551.48	
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,256.42	1,382.24
26 13 16 00-0048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	2,727.75	91.67
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,619.06	91.67
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,566.98	91.67
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,176.44	91.67
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,644.33	91.67
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,656.89	91.67
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,275.38	91.67
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,432.05	91.67
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,137.49	91.67
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67	1,394.37	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0058	EA		AC Ammeter With Switch.....	589.85	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer	589.85	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0060	EA		Indicating Wattmeter	837.13	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0061	EA		Indicating Varmeter.....	974.33	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element.....	638.97	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N	1,402.84	91.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87	2,582.93	91.67
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary.....	423.44	91.67
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses.....	1,747.93	91.67

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)**26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)**

26 13 19 00-0002	EA		1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	28,102.38	1,358.01
26 13 19 00-0003	EA		1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	31,099.20	1,716.53
26 13 19 00-0004	EA		1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,337.47	1,716.53
26 13 19 00-0005	EA		2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	32,075.25	1,358.01
26 13 19 00-0006	EA		2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,949.69	1,358.01
26 13 19 00-0007	EA		2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	40,998.87	1,597.02
26 13 19 00-0008	EA		3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	42,439.72	1,825.16
26 13 19 00-0009	EA		3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,333.84	1,825.16
26 13 19 00-0010	EA		3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	50,670.31	2,053.32

26 18 Medium-Voltage Circuit Protection Devices (26 10)**26 18 16 Medium-Voltage Fuses (26 18)****26 18 16 00-0001 Sectionalizing Switch (26 18 16)****26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001)**

Note: 15 KV - 25 KV.

26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002)

Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 16 00-0004	EA		3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	19,073.12	759.51
26 18 16 00-0005	EA		3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	21,401.66	759.51

26 20 Low-Voltage Electrical Distribution (26)**26 21 Low-Voltage Electrical Service Entrance (26 20)**

See CSI section 26 05 13 00-0000 for wire and cables.



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Electrical Service Entrance	26 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)		
26 21 13 00-001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004 LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.64	2.58
26 21 13 00-0005 LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.94	3.06
26 21 13 00-0006 LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.10	3.45
26 21 13 00-0007 LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.75	4.34
26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009 LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.98	3.06
26 21 13 00-0010 LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.05	3.45
26 21 13 00-0011 LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.44	4.34
26 21 13 00-0012 LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.12	5.30
26 21 13 00-0013 LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.56	7.01
26 21 13 00-0014 LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	23.31	8.69
26 21 13 00-0015 LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	29.24	10.35
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.06	3.45
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.43	4.34
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.71	5.57
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.81	7.01
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	20.88	7.76
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	23.73	8.69
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.10	10.35
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	32.85	11.43
26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002)		
Note: Excludes excavation and backfill.		
26 21 13 00-0026 MLF #6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,794.48	965.71
26 21 13 00-0027 MLF #4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,061.65	1,022.53
26 21 13 00-0028 MLF #2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,416.84	1,086.41
26 21 13 00-0029 MLF #1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,717.15	1,086.41
26 21 13 00-0030 MLF #2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,054.23	1,158.87
26 21 13 00-0031 MLF #3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,751.14	1,337.15
26 21 13 00-0032 MLF #4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	5,987.91	1,738.26
26 21 13 00-0033 Weather Proof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0034 EA 1/2" Weatherproof Conduit Hubs.....	47.02	17.65
26 21 13 00-0035 EA 3/4" Weatherproof Conduit Hubs.....	53.69	20.06
26 21 13 00-0036 EA 1" Weatherproof Conduit Hubs.....	62.82	22.46
26 21 13 00-0037 EA 1-1/4" Weatherproof Conduit Hubs.....	88.34	30.09
26 21 13 00-0038 EA 1-1/2" Weatherproof Conduit Hubs.....	97.48	32.49
26 21 13 00-0039 EA 2" Weatherproof Conduit Hubs.....	128.35	37.71
26 21 13 00-0040 EA 2-1/2" Weatherproof Conduit Hubs.....	172.50	42.52
26 21 13 00-0041 EA 3" Weatherproof Conduit Hubs.....	225.45	50.14
26 21 13 00-0042 EA 4" Weatherproof Conduit Hubs.....	392.85	100.29
26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)		
26 21 13 00-0044 EA 1/2" Galvanized Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	51.72	17.65
26 21 13 00-0045 EA 3/4" Galvanized Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	59.31	20.06
26 21 13 00-0046 EA 1" Galvanized Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	72.56	24.34
26 21 13 00-0047 EA 1-1/4" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	91.18	30.09
26 21 13 00-0048 EA 1-1/2" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	109.75	35.20
26 21 13 00-0049 EA 2" Galvanized Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	142.76	40.85
26 21 13 00-0050 EA 2-1/2" Galvanized Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	234.10	46.07
26 21 13 00-0051 EA 3" Galvanized Weatherhead For 250 Thru 500 MCM Cable Service Entrance Threaded Weatherhead.....	256.55	50.14
26 21 13 00-0052 EA 4" Galvanized Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	423.28	100.29
26 21 13 00-0053 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)		
26 21 13 00-0054 EA 1/2" Polyvinyl Chloride (PVC) Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	47.26	17.65
26 21 13 00-0055 EA 3/4" Polyvinyl Chloride (PVC) Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	53.28	20.06
26 21 13 00-0056 EA 1" Polyvinyl Chloride (PVC) Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	64.09	24.23
26 21 13 00-0057 EA 1-1/4" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	80.83	30.09
26 21 13 00-0058 EA 1-1/2" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	94.61	35.20

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0059 EA 2" Polyvinyl Chloride (PVC) Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead	112.95	40.85
26 21 13 00-0060 EA 2-1/2" Polyvinyl Chloride (PVC) Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead	168.48	46.07
26 21 13 00-0061 EA 3" Polyvinyl Chloride (PVC) Weatherhead For 250 Thru 350 MCM Cable Service Entrance Threaded Weatherhead	180.03	50.14
26 21 13 00-0062 EA 3-1/2" Polyvinyl Chloride (PVC) Weatherhead For 500 MCM Cable Service Entrance Threaded Weatherhead	284.85	70.20
26 21 13 00-0063 EA 4" Polyvinyl Chloride (PVC) Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead	393.99	100.29

26 22 Low-Voltage Transformers (26 20)**26 22 13 Low-Voltage Distribution Transformers** (26 22)**26 22 13 00-0001****Single Phase General Purpose "Dry Type" Transformers** (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002**480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	669.47	256.95
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	853.51	308.33
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	981.07	321.70
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,109.60	334.03
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,411.57	359.72
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,620.48	385.42
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	42.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	63.72	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,760.01	411.11
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	46.89	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	70.33	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,799.21	462.50
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	43.71	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	65.57	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,091.53	513.89
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	53.19	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	79.78	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,675.25	616.66
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	72.10	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	108.14	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,303.80	719.45
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	93.25	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	139.87	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,943.31	925.00
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	154.67	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	232.00	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	8,129.41	1,130.56
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	293.42	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	440.12	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	12,037.07	1,284.73
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	473.38	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	710.07	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	781.10	308.33
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	865.05	321.18
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	979.91	334.03
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,106.59	359.72

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,620.48	385.42
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,760.01	411.11

26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)

26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	464.51	183.36
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26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2	110.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0035				Packaged Power Supply <small>(26 22 13 00-0001)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA			5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	1,092.33	321.18
26 22 13 00-0037	EA			7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,194.19	334.03
26 22 13 00-0038	EA			10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,290.96	359.72
26 22 13 00-0039	EA			15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,512.60	385.42
26 22 13 00-0040	EA			25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,928.61	411.11
26 22 13 00-0041				240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042	EA			0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	801.21	231.25
26 22 13 00-0043	EA			1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,040.32	256.95
26 22 13 00-0044	EA			2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,224.71	308.33
26 22 13 00-0045	EA			5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,327.95	321.18
26 22 13 00-0046	EA			7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,459.74	334.03
26 22 13 00-0047	EA			10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,788.64	359.72
26 22 13 00-0048	EA			15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,213.84	385.42
26 22 13 00-0049				1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050	EA			15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,607.51	385.42
26 22 13 00-0051	EA			25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,719.77	411.11
26 22 13 00-0052	EA			30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,838.51	436.81
26 22 13 00-0053	EA			37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,594.36	462.50
26 22 13 00-0054	EA			45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,745.19	488.19
26 22 13 00-0055	EA			50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,812.12	513.89
26 22 13 00-0056				3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small> Note: 60 Hz type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057				Packaged Power Supply <small>(26 22 13 00-0056)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA			15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	4,366.50	1,104.87
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	107.84	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	161.76	
26 22 13 00-0059	EA			22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	5,036.61	1,181.94
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	133.64	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	200.45	
26 22 13 00-0060	EA			30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	5,848.82	1,284.73
				<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	163.97	
				<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	245.95	
26 22 13 00-0061				Drive Isolation Transformers <small>(26 22 13 00-0056)</small> Note: Only use in step-up applications.		
26 22 13 00-0062				230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063	EA			7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,731.12	411.11
26 22 13 00-0064	EA			11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,139.53	436.81
26 22 13 00-0065	EA			15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,262.33	462.50
26 22 13 00-0066	EA			20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,777.37	488.19
26 22 13 00-0067	EA			27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,953.46	539.58
26 22 13 00-0068	EA			34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,343.76	590.98
26 22 13 00-0069	EA			40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,878.79	642.36
26 22 13 00-0070	EA			51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,641.32	719.45
26 22 13 00-0071	EA			63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,063.06	745.14
26 22 13 00-0072	EA			75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,886.58	770.84
26 22 13 00-0073	EA			93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,445.09	796.52
26 22 13 00-0074	EA			118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,584.56	976.39
26 22 13 00-0075	EA			145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,613.69	1,027.78
26 22 13 00-0076	EA			175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,035.09	1,079.17
26 22 13 00-0077	EA			220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,640.71	1,284.73
26 22 13 00-0078	EA			275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,162.84	1,515.97
26 22 13 00-0079	EA			330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,314.70	1,670.15
26 22 13 00-0080	EA			440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,508.40	1,850.00
26 22 13 00-0081	EA			550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,963.57	2,055.55
26 22 13 00-0082				208V Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083	EA			7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,828.28	411.11
26 22 13 00-0084	EA			11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,254.87	436.81
26 22 13 00-0085	EA			15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,381.30	462.50
26 22 13 00-0086	EA			20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,919.94	488.19
26 22 13 00-0087	EA			27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,099.77	539.58
26 22 13 00-0088	EA			30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,453.31	565.28
26 22 13 00-0089	EA			45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,113.10	668.05
26 22 13 00-0090	EA			51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,855.22	719.45

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0091	EA		63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,295.82	745.14
26 22 13 00-0092	EA		75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,158.64	770.84
26 22 13 00-0093	EA		93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,793.86	796.52
26 22 13 00-0094	EA		118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,973.01	976.39
26 22 13 00-0095	EA		145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,049.30	1,027.78
26 22 13 00-0096	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,537.82	1,079.17
26 22 13 00-0097	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,255.14	1,284.73
26 22 13 00-0098			480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,091.74	423.96
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,631.67	462.50
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	85.33	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.00	
26 22 13 00-0101			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,005.29	565.28
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.74	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.60	
			<i>For K4 Factor Rating, Add</i>	1,312.31	
			<i>For K13 Factor Rating, Add</i>	1,874.73	
			<i>For K20 Factor Rating, Add</i>	2,437.15	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,550.60	616.66
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.86	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.80	
			<i>For K4 Factor Rating, Add</i>	1,622.09	
			<i>For K13 Factor Rating, Add</i>	2,317.27	
			<i>For K20 Factor Rating, Add</i>	3,012.45	
26 22 13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,739.71	668.05
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	120.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	180.27	
			<i>For K4 Factor Rating, Add</i>	1,682.52	
			<i>For K13 Factor Rating, Add</i>	2,403.60	
			<i>For K20 Factor Rating, Add</i>	3,124.68	
26 22 13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,724.07	719.45
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.26	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	246.39	
			<i>For K4 Factor Rating, Add</i>	2,299.63	
			<i>For K13 Factor Rating, Add</i>	3,285.18	
			<i>For K20 Factor Rating, Add</i>	4,270.73	
26 22 13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,731.09	770.84
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.47	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.21	
			<i>For K4 Factor Rating, Add</i>	2,232.59	
			<i>For K13 Factor Rating, Add</i>	3,189.42	
			<i>For K20 Factor Rating, Add</i>	4,146.25	
26 22 13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,848.31	925.00
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.92	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	299.87	
			<i>For K4 Factor Rating, Add</i>	2,798.82	
			<i>For K13 Factor Rating, Add</i>	3,998.31	
			<i>For K20 Factor Rating, Add</i>	5,197.80	
26 22 13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,387.91	1,027.78
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	266.62	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	399.93	
			<i>For K4 Factor Rating, Add</i>	3,732.65	
			<i>For K13 Factor Rating, Add</i>	5,332.36	
			<i>For K20 Factor Rating, Add</i>	6,932.07	
26 22 13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,937.09	1,284.73
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	368.38	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	552.57	
			<i>For K4 Factor Rating, Add</i>	5,157.36	
			<i>For K13 Factor Rating, Add</i>	7,367.65	
			<i>For K20 Factor Rating, Add</i>	9,577.95	
26 22 13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,144.63	1,593.06
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	447.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	671.89	
			<i>For K4 Factor Rating, Add</i>	6,270.96	
			<i>For K13 Factor Rating, Add</i>	8,958.51	
			<i>For K20 Factor Rating, Add</i>	11,646.06	
26 22 13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,023.85	1,952.78
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	655.91	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	983.87	
			<i>For K4 Factor Rating, Add</i>	9,182.80	
			<i>For K13 Factor Rating, Add</i>	13,118.29	
			<i>For K20 Factor Rating, Add</i>	17,053.78	
26 22 13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	36,726.30	2,329.18
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,599.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,399.89	
			<i>For K4 Factor Rating, Add</i>	22,398.96	
			<i>For K13 Factor Rating, Add</i>	31,998.52	
			<i>For K20 Factor Rating, Add</i>	41,598.08	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	47,740.77	2,569.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,130.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,195.14	
For K4 Factor Rating, Add	29,821.31	
For K13 Factor Rating, Add	42,601.87	
For K20 Factor Rating, Add	55,382.43	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,765.94	398.26
For K4 Factor Rating, Add	678.59	
For K13 Factor Rating, Add	969.42	
For K20 Factor Rating, Add	1,260.25	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,091.74	423.96
For K4 Factor Rating, Add	870.67	
For K13 Factor Rating, Add	1,243.82	
For K20 Factor Rating, Add	1,616.97	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,631.67	462.50
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	85.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	128.00	
For K4 Factor Rating, Add	1,194.67	
For K13 Factor Rating, Add	1,706.67	
For K20 Factor Rating, Add	2,218.67	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,699.19	565.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	178.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	267.65	
For K4 Factor Rating, Add	2,498.04	
For K13 Factor Rating, Add	3,568.63	
For K20 Factor Rating, Add	4,639.22	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,307.28	668.05
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	198.56	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	297.84	
For K4 Factor Rating, Add	2,779.82	
For K13 Factor Rating, Add	3,971.17	
For K20 Factor Rating, Add	5,162.52	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,581.35	770.84
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	301.98	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	452.98	
For K4 Factor Rating, Add	4,227.78	
For K13 Factor Rating, Add	6,039.68	
For K20 Factor Rating, Add	7,851.58	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,468.19	925.00
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	380.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	571.36	
For K4 Factor Rating, Add	5,332.73	
For K13 Factor Rating, Add	7,618.19	
For K20 Factor Rating, Add	9,903.65	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,303.52	1,027.78
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	462.40	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	693.60	
For K4 Factor Rating, Add	6,473.58	
For K13 Factor Rating, Add	9,247.97	
For K20 Factor Rating, Add	12,022.36	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	14,451.29	1,284.73
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	594.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	891.14	
For K4 Factor Rating, Add	8,317.30	
For K13 Factor Rating, Add	11,881.85	
For K20 Factor Rating, Add	15,446.41	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,606.86	1,593.06
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	721.04	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,081.56	
For K4 Factor Rating, Add	10,094.52	
For K13 Factor Rating, Add	14,420.74	
For K20 Factor Rating, Add	18,746.96	
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	27,590.86	1,952.78
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,184.27	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,776.40	
For K4 Factor Rating, Add	16,579.71	
For K13 Factor Rating, Add	23,685.30	
For K20 Factor Rating, Add	30,790.89	
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small>		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,494.47	462.50
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,616.69	565.28
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,121.84	668.05
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,449.09	770.84

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,419.95	925.00
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	11,345.73	1,027.78
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	13,297.93	1,284.73
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	20,605.59	1,593.06
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small>		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,809.57	462.50
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,114.21	565.28
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,878.68	668.05
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,429.07	770.84
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,933.64	925.00
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	13,204.68	1,027.78
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	15,443.33	1,284.73
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	24,089.79	1,593.06
26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,168.34	455.71
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,864.86	556.98
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,659.16	658.25
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,255.43	759.51
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,368.80	911.42
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,410.61	1,012.69
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,802.64	1,265.86
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,429.96	1,569.67
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,847.39	455.71
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,687.38	556.98
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,662.19	658.25
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,676.58	759.51
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,835.64	911.42
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,926.17	1,012.69
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,184.14	1,265.86
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	24,317.15	1,569.67
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,523.69	455.71
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,512.20	556.98
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,665.22	658.25
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,095.44	759.51
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,686.33	911.42
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,441.73	1,012.69
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,565.65	1,265.86
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	29,204.34	1,569.67



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,297.49	455.71
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,238.02	556.98
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,329.35	658.25
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,622.48	759.51
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,713.75	911.42
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,690.04	1,012.69
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,553.48	1,265.86
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,744.35	1,569.67
26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,973.80	455.71
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,062.84	556.98
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,332.38	658.25
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,043.63	759.51
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,314.59	911.42
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,319.04	1,012.69
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,662.30	1,265.86
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	36,767.03	1,569.67
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,652.38	455.71
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,887.65	556.98
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,335.40	658.25
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,462.49	759.51
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,207.15	911.42
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,516.22	1,012.69
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,768.82	1,265.86
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	43,973.28	1,569.67
26 22 13 00-0203		3 Phase Weathershields <small>(26 22 13 00-0056)</small>		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0207		Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	588.03	183.36
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small>		
		Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	494.15	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA.....	4,438.04	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,119.95	
26 22 13 00-0220 EA Containment Area For 112.5 KVA.....	4,438.04	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,119.95	
26 22 13 00-0221 EA Containment Area For 150 KVA.....	4,438.04	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,119.95	
26 22 13 00-0222 EA Containment Area For 225 KVA.....	4,438.04	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,119.95	
26 22 13 00-0223 EA Containment Area For 300 KVA.....	4,432.03	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,118.14	
26 22 13 00-0224 EA Containment Area For 500 KVA.....	4,432.03	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,118.14	
26 22 13 00-0225 EA Containment Area For 750 KVA.....	4,452.38	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,118.14	
26 22 13 00-0226 EA Containment Area For 1,000 KVA.....	4,747.41	1,679.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,118.14	
26 22 13 00-0227 Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,711.13	1,215.23
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,147.15	1,215.23
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,437.82	1,215.23
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,309.85	1,215.23
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,271.22	1,822.85
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,561.89	1,822.85
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,050.00	1,822.85
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,491.72	2,430.45
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,270.50	2,430.45
26 22 13 00-0237 Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,856.47	1,215.23
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,437.82	1,215.23
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,583.16	1,215.23
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,728.50	1,215.23
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,271.22	1,822.85
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,852.57	1,822.85
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	12,050.00	1,822.85
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,637.05	2,430.45
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,270.50	2,430.45
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,798.55	1,591.87
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,921.54	1,879.24
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	12,560.96	2,296.84
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	14,731.66	2,584.21
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	17,376.52	2,720.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	22,116.53	3,974.51
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	25,686.73	4,496.53
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	31,476.65	5,168.42
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,312.33	5,426.84
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	36,763.08	6,047.26
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	41,466.98	6,460.74
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	36,270.39	4,513.05
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	44,210.15	5,190.05
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	49,761.53	5,463.16
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	53,204.83	6,105.92
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	59,006.24	6,290.94
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209)		
Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,527.68	1,879.24
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	17,111.47	2,296.84
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,891.64	2,584.21
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	23,450.70	2,720.14
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	29,248.73	3,974.51
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	36,256.63	4,496.53
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	43,686.65	5,168.42
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	49,197.12	5,426.84
26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	146.23	33.24
Note: Excludes site prep.		
26 24 Switchboards And Panelboards (26 24)		
26 24 13 Switchboards (26 24)		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,125.09	877.16
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	3,440.48	927.81
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,357.75	1,052.45
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,769.02	1,128.27
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,986.23	1,202.97
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,991.55	1,279.09
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,701.20	877.16
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,654.64	927.81
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,380.26	1,053.36
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,588.81	1,128.27
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,986.23	1,204.18
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,991.55	1,279.09
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	11,917.26	1,337.25
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	13,478.13	1,432.62
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	15,841.28	1,544.33
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,203.39	777.18
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,418.29	827.42
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,772.19	952.47
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,975.99	992.49
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,154.58	1,028.28
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,444.86	1,102.49
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,721.85	1,178.10
26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	248.14	30.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.35	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	365.04	48.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	28.88	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	961.94	87.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	52.64	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	1,689.37	114.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	68.59	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	3,043.56	280.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	168.45	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	4,797.61	280.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.45	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	7,798.46	500.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.24	
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,406.31	1,138.20
26 24 13 00-0036 EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,895.60	1,138.20
26 24 13 00-0037 EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	7,043.57	1,479.15
26 24 13 00-0038 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	7,943.98	1,479.15
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,806.98	777.18
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,108.52	827.42
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,621.99	952.47
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,018.47	1,027.48
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,353.88	777.18
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,167.26	827.42
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,757.85	952.47
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	8,116.38	1,027.48
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	9,504.86	1,153.23
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,024.45	676.80
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,254.67	727.13
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,646.18	852.19
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,837.25	892.20
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,020.76	927.81
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,271.59	992.49
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,515.46	1,052.45
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,362.30	1,303.65
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,869.77	1,429.00
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,667.55	1,541.82
26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	137.99	26.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	220.06	44.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.47	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	637.53	61.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.01	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,788.61	79.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.53	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	2,848.26	193.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.82	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	4,012.17	193.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.82	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	6,638.49	368.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.14	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,126.31	877.16
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,439.11	927.81
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,355.98	1,052.45
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,766.98	1,128.27
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,981.60	1,202.97
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,991.55	1,279.09
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,702.42	877.16
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,653.27	927.81
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,380.26	1,053.36
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,586.77	1,128.27
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,983.91	1,204.18
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,991.55	1,279.09
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,293.97	777.18
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,546.43	827.42
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,963.77	952.47
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,174.60	992.49
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,377.12	1,028.28
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,659.84	1,102.49
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,946.67	1,178.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,658.78	1,338.76
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,132.87	1,432.52
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,993.45	1,539.32
26 24 13 00-0092 Branch Breaker Units <small>(26 24 13 00-0068)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	248.14	30.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	365.04	48.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	961.94	87.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,689.37	114.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.59	
26 24 13 00-0097 EA 300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	3,043.56	280.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	4,797.61	280.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	7,798.46	500.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	300.24	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0101 Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,081.73	1,202.97
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,461.81	1,279.09
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,173.00	1,427.70
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,733.71	1,528.69
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,059.83	1,202.97
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,654.08	1,279.09
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,530.65	1,429.30
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,387.57	1,528.69
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,835.74	1,630.08
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,896.10	1,731.35
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,293.97	777.18
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,546.43	827.42
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,963.77	952.47
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,174.60	992.49
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,377.12	1,028.28
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,659.84	1,102.49
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,946.67	1,178.10
26 24 13 00-0119 Branch Breaker Units <small>(26 24 13 00-0100)</small>		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	499.39	30.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.35	
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	581.23	48.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.88	
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,054.26	87.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.64	
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	1,689.37	114.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.59	
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	4,050.88	280.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	4,140.86	280.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.45	
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	6,666.10	500.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	300.24	
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small>		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	535.10	78.73
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	533.35	78.73
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	533.35	78.73
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	828.46	103.79
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	828.46	103.79
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	13 00-0135	EA	100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	606.51 195.71	77.21
26 24	13 00-0136	EA	200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	868.94 195.71	77.21
26 24	13 00-0137	EA	400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit	2,237.61	208.08
26 24	13 00-0138		240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0139	EA	30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	680.41 204.29	88.74
26 24	13 00-0140	EA	30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	678.66 204.29	88.74
26 24	13 00-0141	EA	60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	678.66 204.29	88.74
26 24	13 00-0142	EA	60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,015.88 204.29	118.83
26 24	13 00-0143	EA	100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,015.88 204.29	118.83
26 24	13 00-0144		240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0145	EA	100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	731.82 204.29	87.24
26 24	13 00-0146	EA	200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,159.63 195.71	87.24
26 24	13 00-0147	EA	400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	2,976.98	232.95
26 24	13 00-0148	EA	600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,236.36	298.43
26 24	13 00-0149	EA	800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	7,819.24	404.34
26 24	13 00-0150		600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0151	EA	30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	945.32 204.29	88.74
26 24	13 00-0152	EA	30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	943.55 204.29	88.74
26 24	13 00-0153	EA	60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	945.32 204.29	88.74
26 24	13 00-0154	EA	60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,415.59 204.29	118.83
26 24	13 00-0155	EA	100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,445.18 204.29	118.83
26 24	13 00-0156	EA	200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	3,034.70 204.29	155.44
26 24	13 00-0157		600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0158	EA	100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,017.14 204.29	87.24
26 24	13 00-0159	EA	200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,521.86 195.71	87.24
26 24	13 00-0160	EA	400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	3,711.74 195.71	232.95
26 24	13 00-0161	EA	600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,514.47	298.43
26 24	13 00-0162	EA	800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	7,819.24	404.34
26 24	13 00-0163		Service And Distribution Structures <small>(26 24 13)</small>		
26 24	13 00-0164		Type WRI Distribution Section 600 Volts, 250 Volts DC <small>(26 24 13 00-0163)</small>		
26 24	13 00-0165		600 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24	13 00-0166	EA	14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,210.74	922.59
26 24	13 00-0167	EA	24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,607.67	922.59
26 24	13 00-0168	EA	34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,904.64	1,173.29
26 24	13 00-0169	EA	42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,228.61	1,173.29
26 24	13 00-0170		800 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24	13 00-0171	EA	14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,505.57	1,068.00
26 24	13 00-0172	EA	24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,889.69	1,068.00
26 24	13 00-0173	EA	34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,228.61	1,323.71
26 24	13 00-0174	EA	42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,519.65	1,323.71
26 24	13 00-0175		1,200 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24	13 00-0176	EA	14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	2,961.88	1,303.65
26 24	13 00-0177	EA	24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,356.96	1,303.65
26 24	13 00-0178	EA	34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,718.62	1,604.50
26 24	13 00-0179	EA	42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,144.99	1,604.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,571.01	1,429.00
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,053.71	1,429.00
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,486.94	1,764.94
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,858.36	1,764.94
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,756.91	1,434.02
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,283.29	1,614.53
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,358.38	1,614.53
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,555.17	1,704.78
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	4,997.18	1,614.53
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	5,071.15	1,614.53
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	5,267.94	1,704.78
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	5,125.74	1,704.78
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	5,267.94	1,704.78
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	5,339.00	1,704.78
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	436.37	120.33
26 24 13 00-0200 EA Drilled Bottom.....	492.76	120.33
26 24 13 00-0201 EA Cable Supports In Pull Box.....	167.78	30.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.71
26 24 13 00-0202 Underground Pull Sections <small>(26 24 13 00-0164)</small>		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	432.24	140.39
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	727.82	180.50
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	727.82	180.50
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	552.39	140.39
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	777.55	205.58
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	892.69	205.58
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	942.48	265.74
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,003.16	265.74
26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,387.31	835.65
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,706.73	908.35
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,659.00	1,160.66
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,093.86	1,266.15
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,431.33	1,347.88
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	3,903.26	733.06
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp.....	2,357.71	696.35
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp.....	2,604.49	755.12
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	3,200.60	835.65
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,488.41	837.85
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,853.72	935.42
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	137.89	50.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		30.62
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	167.34	51.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		36.18
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	702.46	60.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		77.94
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,147.63	129.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		108.53
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	472.52	180.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		62.68
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,254.56	104.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		77.94
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,756.95	435.22
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,484.39	588.55
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,814.30	716.30
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,597.33	1,002.81
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,462.99	1,253.52
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,856.97	1,253.52
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,055.95	1,671.39
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,811.39	1,671.39

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,021.41	1,989.68
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	9,411.49	1,989.68
26 24 13 00-0240 Main Devices (26 24 13)		
26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,936.50	1,052.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	630.44	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,753.93	1,754.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,051.90	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	23,728.07	2,948.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,753.17	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	38,297.35	4,773.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,915.15	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	1,891.75	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	244.31	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	320.52	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	230.86	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0241)		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,896.71	1,103.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	665.00	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,709.42	1,855.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,107.67	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	26,556.06	3,058.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,843.41	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	41,201.64	5,014.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,082.41	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0241)		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	4,786.28	962.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	578.55	
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	8,682.05	1,614.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	964.24	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,010.18	2,707.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,607.07	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	22,375.85	4,362.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,676.54	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	36,488.73	7,119.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,450.35	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241)		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	5,542.14	922.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	551.80	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	10,255.26	1,544.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	919.45	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	14,783.57	2,567.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,534.91	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	24,418.88	4,181.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,558.19	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	38,403.49	7,170.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,273.35	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,223.74	842.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	485.23	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,107.53	842.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	527.80	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,441.44	1,002.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	578.55	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,042.58	1,002.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	626.76	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	5,806.29	1,203.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	686.86	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	9,105.28	1,203.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	759.71	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	242.07	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	56.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)		
26 24 13 00-0278 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	417.59	72.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.60	
26 24 13 00-0279 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	497.63	96.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.86	
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,375.80	145.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.15	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,813.94	182.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.32	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,206.78	244.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.61	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,673.78	313.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.03	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,288.09	477.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.52	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,288.09	477.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	286.52	
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,013.72	668.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	401.12	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,583.58	1,002.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	601.69	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker.....	4,819.58	435.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	261.15	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker.....	4,902.32	476.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	285.97	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker.....	5,381.67	716.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	429.78	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	9,100.03	1,002.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	601.69	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	9,313.02	1,109.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	665.58	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	12,542.88	1,989.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,193.82	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	353.52	36.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	364.02	45.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	832.04	54.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,199.63	70.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,681.67	86.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.76	
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,192.95	101.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.69	
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,315.06	114.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.41	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	245.36	27.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	316.31	36.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	821.99	45.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,284.72	50.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.09	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,368.07	65.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.62	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,057.42	94.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.18	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)		
Note: Factory installed accessories.		
26 24 13 00-0312 Instrument Transformers And Metering Compartments (26 24 13 00-0311)		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	292.50	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	422.51	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	497.59	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	358.63	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,311.73	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0318	EA		1,000 To 1,500 Amp, Three Current Transformers	2,312.51	
26 24 13 00-0319	EA		2,000 To 4,000 Amp, Three Current Transformers	3,009.09	
26 24 13 00-0320			Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321	EA		AC Voltmeter.....	398.97	
26 24 13 00-0322	EA		AC Ammeter	398.97	
26 24 13 00-0323	EA		AC Wattmeter	1,065.79	
26 24 13 00-0324	EA		Variometer	1,203.64	
26 24 13 00-0325	EA		Power Factor Meter	961.56	
26 24 13 00-0326	EA		Frequency Meter.....	1,061.31	
26 24 13 00-0327	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,350.45	
26 24 13 00-0328	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,259.34	
26 24 13 00-0329	EA		Weatherproof, Modify Meter	2,290.20	
26 24 13 00-0330	EA		Control Switch Resistor Type 130 V	56.78	
26 24 13 00-0331	EA		Metering Instrument Volt, Amp And Watt Hour	2,725.33	
26 24 16			Panelboards <small>(26 24)</small>		
26 24 16 00-0001			Branch Circuit Panelboard <small>(26 24 16)</small> Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing.		
26 24 16 00-0002			Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003			120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	854.25	285.80
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0005	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	988.02	285.80
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0006	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,129.85	396.11
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0007	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,264.91	396.11
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0008	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,400.62	496.39
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0009	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,542.09	496.39
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0010	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,671.27	571.61
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0011	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,010.06	732.05
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0012	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,145.49	732.05
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0013	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,594.39	837.35
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0014	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,791.72	837.35
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0015	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,912.71	942.64
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0016	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,093.79	942.64
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0017	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,215.78	1,042.93
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0018	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,392.76	1,042.93
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0019	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,590.11	1,153.23
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0020	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,661.90	1,153.23
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0021	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,898.10	1,153.23
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0022					120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA				50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	916.40	275.77
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0024	EA				50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,052.33	275.77
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0025	EA				100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,411.65	471.32
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0026	EA				100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,549.91	471.32
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0027	EA				100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,687.05	576.62
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0028	EA				100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,833.87	576.62
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0029	EA				100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,958.08	691.94
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0030	EA				225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,667.70	691.94
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0031	EA				225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,791.16	847.38
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0032	EA				225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,925.99	847.38
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0033	EA				225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,074.47	952.67
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0034	EA				225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,193.28	952.67
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0035	EA				225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,320.51	1,042.93
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0036	EA				225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,457.46	1,042.93
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0037	EA				225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,605.71	1,233.46
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0038	EA				225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,767.19	1,233.46
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0039	EA				225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,944.32	1,233.46
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0040	EA				225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,051.76	1,303.65
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0041					120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA				100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,136.44	325.91
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0043	EA				100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,282.10	325.91
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0044	EA				100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,446.09	436.23
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0045	EA				100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,616.55	436.23
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0046	EA				100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,770.51	536.50
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0047	EA				100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,935.59	536.50
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0048	EA				100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,090.13	636.79
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0049	EA				100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,253.66	636.79
					<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,401.52	747.09
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,571.72	747.09
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,748.70	862.42
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,918.87	862.42
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,269.99	1,042.93
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,393.38	1,042.93
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,589.84	1,158.25
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,773.80	1,158.25
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,898.92	1,263.55
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,088.56	1,263.55
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,905.03	1,121.14
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,040.94	1,178.30
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,247.27	1,240.98
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,446.66	1,313.68
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,580.87	1,353.79
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,805.71	1,436.53
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0062)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,319.15	315.88
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,466.85	315.88
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,639.28	416.17
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,866.86	416.17
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,243.88	626.76
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,393.40	626.76
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,557.23	732.05
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,696.26	732.05
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,878.91	847.38
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,008.77	847.38
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,207.17	952.67
<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0078	EA			100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity 3,374.18		952.67
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0079	EA			225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity 4,355.57		1,103.09
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0080	EA			225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity 4,549.79		1,163.26
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0081	EA			225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity 4,633.28		1,163.26
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0082	EA			225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity 4,851.74		1,313.68
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0083	EA			225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity 5,002.94		1,313.68
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0084	EA			225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity 5,104.34		1,313.68
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0085	EA			400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity 5,113.87		1,208.39
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0086	EA			400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity 5,326.60		1,278.58
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0087	EA			400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity 5,413.00		1,313.68
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0088	EA			400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity 5,649.02		1,393.91
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0089	EA			400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity 5,799.43		1,434.02
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0090	EA			400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity 5,942.89		1,484.17
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0091				480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA			100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity 1,261.00		320.90
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0093	EA			100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,450.17		320.90
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0094	EA			100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,630.74		441.24
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0095	EA			100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,819.89		441.24
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0096	EA			100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,994.99		551.55
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0097	EA			100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 2,180.55		551.55
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0098	EA			100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 2,375.02		666.87
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0099	EA			100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,551.64		666.87
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0100	EA			100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,747.73		792.23
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0101	EA			100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,936.38		792.23
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0102	EA			100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 3,108.27		902.53
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0103	EA			100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 3,293.81		902.53
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0104	EA			225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,698.74		1,098.08
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0105	EA			225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,884.05		1,098.08
				<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0106 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,082.59	1,203.38
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0107 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,222.30	1,203.38
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0108 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,445.39	1,328.73
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0109 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,599.12	1,328.73
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0111 EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,591.91	340.96
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0112 EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,776.32	371.04
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,962.99	461.29
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,581.53	561.58
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,772.40	621.74
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,945.67	671.88
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,137.47	732.05
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0118 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,321.74	792.23
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,489.61	842.36
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,670.32	892.50
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,866.54	952.67
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,081.78	1,027.88
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,103.91	1,143.20
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,309.95	1,213.40
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,453.89	1,243.49
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	5,686.76	1,323.71
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	5,846.09	1,373.85
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	6,011.62	1,416.97
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,778.51	350.99
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,084.10	350.99
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,383.60	466.31
For Weathertight NEMA 3R Panelboards, Add	348.00	
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,684.95	466.31
For Weathertight NEMA 3R Panelboards, Add	348.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,990.08 <i>348.00</i>	576.62
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,290.35 <i>348.00</i>	576.62
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,594.40 <i>348.00</i>	691.94
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,897.46 <i>348.00</i>	691.94
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,222.09 <i>348.00</i>	812.28
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,505.40 <i>348.00</i>	812.28
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,800.80 <i>348.00</i>	817.29
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,110.73 <i>348.00</i>	817.29
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,654.22 <i>348.00</i>	1,133.18
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,965.10 <i>348.00</i>	1,133.18
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,220.14 <i>348.00</i>	1,193.35
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,553.55 <i>348.00</i>	1,273.58
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	6,821.40 <i>348.00</i>	1,273.58
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,184.21 <i>348.00</i>	1,393.91
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,168.30 <i>348.00</i>	431.21
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,479.46 <i>348.00</i>	431.21
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,781.54 <i>348.00</i>	571.61
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,341.94 <i>348.00</i>	571.61
26 24 16 00-0153 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,653.33 <i>348.00</i>	722.03
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,964.36 <i>348.00</i>	722.03
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,267.85 <i>348.00</i>	827.32
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,554.95 <i>348.00</i>	827.32
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,854.89 <i>348.00</i>	942.64
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,170.34 <i>348.00</i>	942.64
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,453.86 <i>348.00</i>	1,042.93
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,747.09 <i>348.00</i>	1,042.93
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,542.81 <i>348.00</i>	1,233.46

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	7,876.22 348.00	1,233.46
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,144.07 348.00	1,348.78
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,506.88 348.00	1,348.78
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	8,791.64 348.00	1,474.14
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	9,026.78 348.00	1,474.14
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	10,474.00 348.00	1,641.61
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	12,762.46	1,970.52
26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior reserved by that space. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	465.40	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	538.04	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	743.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	860.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	976.17	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,096.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,192.71	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,308.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,463.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,560.66	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,710.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	695.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	792.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,278.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,424.10	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Switchboards And Panelboards	26 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,563.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,645.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,820.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,975.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	912.27	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	979.81	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,174.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,289.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,397.09	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,600.22	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,690.66	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,801.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,995.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,089.24	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,231.37	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,137.31	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,228.53	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,791.70	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,927.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,059.37	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,131.15	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,300.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,454.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	526.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	621.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	703.18	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	804.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	926.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,028.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,187.18	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,281.66	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,387.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,563.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,720.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,022.31	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	813.41	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	918.84	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,071.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,569.27	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,701.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,831.59	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,511.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,675.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,811.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	973.49	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0239 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,063.04	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0240 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,139.41	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0241 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,235.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0242 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,355.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0243 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,449.42	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0244 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,690.65	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0245 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,779.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0246 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,880.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0247 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,095.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0248 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,243.12	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0249 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,544.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,255.17	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0252 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,355.07	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0253 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,504.54	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0254 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,082.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0255 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,205.22	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0256 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,327.41	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0257 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,442.39	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0258 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,611.43	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0259 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,754.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	740.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0263 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	817.09	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0264 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,136.04	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0265 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,270.45	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0266 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,387.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0267 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,398.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0268 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,478.71	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0269 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,609.20	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0270 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,744.09	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0271 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,870.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0272 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,045.54	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,491.76	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,538.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0276 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,672.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0277 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,767.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0278 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,966.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,553.40	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,672.73	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,828.91	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,944.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,117.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,272.43	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,171.85	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,248.64	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,557.38	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,765.84	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,873.99	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,885.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,952.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,065.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,242.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,358.03	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,511.31	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,015.24	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,062.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,097.36	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,188.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,462.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,040.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,146.84	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,284.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,399.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,562.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,714.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	769.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	846.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	981.94	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,178.63	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,314.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,429.85	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,454.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,548.51	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,677.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,812.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,939.67	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,115.94	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,640.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,688.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,831.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,876.96 328.00	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,972.34 328.00	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,171.45 328.00	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,793.50 328.00	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,914.26 328.00	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,068.79 328.00	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,231.72 328.00	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,407.14 328.00	
26 24 16 00-0335 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,561.70 328.00	
26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,200.79 328.00	
26 24 16 00-0338 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,278.01 328.00	
26 24 16 00-0339 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,407.11 328.00	
26 24 16 00-0340 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,599.97 328.00	
26 24 16 00-0341 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,809.39 328.00	
26 24 16 00-0342 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,916.73 328.00	
26 24 16 00-0343 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,943.03 328.00	
26 24 16 00-0344 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,022.62 328.00	
26 24 16 00-0345 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,133.78 328.00	
26 24 16 00-0346 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,311.29 328.00	
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,427.40 328.00	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,580.69 328.00	
26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,062.05 328.00	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,109.35 328.00	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,326.39 328.00	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,302.13 328.00	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,393.68 328.00	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,666.84 328.00	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,280.38 328.00	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0357	EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,388.37	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0358	EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,524.60	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0359	EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,687.53	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0360	EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,851.04	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0361	EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,003.47	
	<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0362	600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363	Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364	EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,392.93	298.41
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.05	
26 24 16 00-0365	EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,606.23	298.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.00	
26 24 16 00-0366	EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,766.88	298.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.00	
26 24 16 00-0367	EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,088.44	489.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.96	
26 24 16 00-0368	EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,212.78	489.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.96	
26 24 16 00-0369	EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,349.22	489.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.96	
26 24 16 00-0370	EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,597.59	651.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	390.75	
26 24 16 00-0371	EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,718.20	653.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.94	
26 24 16 00-0372	EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,765.94	651.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	390.75	
26 24 16 00-0373	EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,160.41	651.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	390.75	
26 24 16 00-0374	EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,182.93	979.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.92	
26 24 16 00-0375	EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,451.41	979.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.92	
26 24 16 00-0376	EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,670.93	979.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.92	
26 24 16 00-0377	EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,938.86	979.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.92	
26 24 16 00-0378	Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379	EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,559.22	304.74
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.83	
26 24 16 00-0380	EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,333.18	345.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.39	
26 24 16 00-0381	EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,488.33	345.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.39	
26 24 16 00-0382	EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,944.96	345.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.39	
26 24 16 00-0383	EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,201.68	566.57
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.96	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,458.86	568.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	340.87	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,669.32	566.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.96	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,596.83	757.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	454.49	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,899.02	754.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.88	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,201.61	754.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.88	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	47.82	18.05
<i>For Bolt-On, Add</i>	13.00	
<i>For Installation In New Panelboard, Deduct</i>	-10.03	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.03	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	47.82	18.05
<i>For Bolt-On, Add</i>	13.00	
<i>For Installation In New Panelboard, Deduct</i>	-10.03	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.03	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	67.94	22.56
<i>For Bolt-On, Add</i>	17.27	
<i>For Installation In New Panelboard, Deduct</i>	-12.54	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.04	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	96.55	22.06
<i>For Bolt-On, Add</i>	20.49	
<i>For Installation In New Panelboard, Deduct</i>	-12.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	131.54	22.06
<i>For Bolt-On, Add</i>	24.87	
<i>For Installation In New Panelboard, Deduct</i>	-12.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	151.50	22.06
<i>For Bolt-On, Add</i>	27.36	
<i>For Installation In New Panelboard, Deduct</i>	-12.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	77.27	22.06
<i>For Bolt-On, Add</i>	18.08	
<i>For Installation In New Panelboard, Deduct</i>	-12.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	77.97	27.08
<i>For Bolt-On, Add</i>	20.28	
<i>For Installation In New Panelboard, Deduct</i>	-15.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	77.97	27.08
<i>For Bolt-On, Add</i>	20.28	
<i>For Installation In New Panelboard, Deduct</i>	-15.04	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	115.84	36.10
<i>For Bolt-On, Add</i>	28.52	
<i>For Installation In New Panelboard, Deduct</i>	-20.06	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.07	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	186.35	45.12
<i>For Bolt-On, Add</i>	40.84	
<i>For Installation In New Panelboard, Deduct</i>	-25.07	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.09	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	218.31	50.14
<i>For Bolt-On, Add</i>	46.59	
<i>For Installation In New Panelboard, Deduct</i>	-27.58	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	181.52	32.09
For Bolt-On, Add	35.33	
For Installation In New Panelboard, Deduct	-18.05	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.66	
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	238.76	32.09
For Bolt-On, Add	42.48	
For Installation In New Panelboard, Deduct	-18.05	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.66	
26 24 16 00-0405 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	142.54	36.10
For Bolt-On, Add	31.86	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0406 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	142.54	36.10
For Bolt-On, Add	31.86	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	186.01	45.12
For Bolt-On, Add	40.80	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	276.05	54.15
For Bolt-On, Add	55.56	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	349.97	63.18
For Bolt-On, Add	68.31	
For Installation In New Panelboard, Deduct	-35.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.12	
26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0411 EA 1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	65.96	18.05
For Bolt-On, Add	15.26	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0412 EA 1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	65.96	18.05
For Bolt-On, Add	15.26	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0413 EA 1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	114.30	22.56
For Bolt-On, Add	23.06	
For Installation In New Panelboard, Deduct	-12.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 24 16 00-0414 EA 1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	171.14	22.06
For Bolt-On, Add	29.82	
For Installation In New Panelboard, Deduct	-12.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 24 16 00-0415 EA 2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	125.71	27.08
For Bolt-On, Add	26.24	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0416 EA 2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	125.71	27.08
For Bolt-On, Add	26.24	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0417 EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	241.26	36.10
For Bolt-On, Add	44.20	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0418 EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	327.20	45.12
For Bolt-On, Add	58.45	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0419 EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	474.69	50.14
For Bolt-On, Add	78.64	
For Installation In New Panelboard, Deduct	-27.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.09	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0420 EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	197.93	36.10
For Bolt-On, Add	38.78	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0421 EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	197.93	36.10
For Bolt-On, Add	38.78	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0422 EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	292.76	45.12
For Bolt-On, Add	54.15	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0423 EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	412.79	54.15
For Bolt-On, Add	72.66	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0424 EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	631.62	63.18
For Bolt-On, Add	103.52	
For Installation In New Panelboard, Deduct	-35.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.12	
26 24 16 00-0425 EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	726.98	67.69
For Bolt-On, Add	117.20	
For Installation In New Panelboard, Deduct	-37.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.13	
26 24 16 00-0426 EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	780.83	72.20
For Bolt-On, Add	125.68	
For Installation In New Panelboard, Deduct	-40.11	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.14	
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	920.77	76.71
For Bolt-On, Add	144.93	
For Installation In New Panelboard, Deduct	-42.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.14	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	77.88	18.05
For Bolt-On, Add	16.75	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	77.88	18.05
For Bolt-On, Add	16.75	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	126.07	22.56
For Bolt-On, Add	24.53	
For Installation In New Panelboard, Deduct	-12.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	156.77	27.08
For Bolt-On, Add	30.13	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	156.77	27.08
For Bolt-On, Add	30.13	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	271.04	36.10
For Bolt-On, Add	47.92	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	678.30	45.12
For Bolt-On, Add	102.34	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	249.18	36.10
For Bolt-On, Add	45.19	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	249.18	36.10
For Bolt-On, Add	45.19	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	330.06	45.12
For Bolt-On, Add	58.81	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	839.06	54.15
For Bolt-On, Add	125.94	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	87.99	18.05
For Bolt-On, Add	18.02	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	87.99	18.05
For Bolt-On, Add	18.02	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	104.17	22.56
For Bolt-On, Add	21.80	
For Installation In New Panelboard, Deduct	-12.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	169.78	22.06
For Bolt-On, Add	29.65	
For Installation In New Panelboard, Deduct	-12.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	183.17	27.08
For Bolt-On, Add	33.43	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	183.17	27.08
For Bolt-On, Add	33.43	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	223.22	36.10
For Bolt-On, Add	41.94	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	319.49	45.12
For Bolt-On, Add	57.49	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	410.34	50.14
For Bolt-On, Add	70.60	
For Installation In New Panelboard, Deduct	-27.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.09	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	511.22	58.67
For Bolt-On, Add	86.72	
For Installation In New Panelboard, Deduct	-32.59	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	553.02	67.69
For Bolt-On, Add	95.45	
For Installation In New Panelboard, Deduct	-37.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.13	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	223.66	36.10
For Bolt-On, Add	42.00	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	223.66	36.10
For Bolt-On, Add	42.00	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	263.26	45.12
For Bolt-On, Add	50.46	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	395.32	54.15
For Bolt-On, Add	70.47	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	518.50	70.20
For Bolt-On, Add	92.01	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	638.89	81.23
For Bolt-On, Add	111.45	
For Installation In New Panelboard, Deduct	-45.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	679.23	86.24
For Bolt-On, Add	118.25	
For Installation In New Panelboard, Deduct	-47.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.16	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	189.76	27.08
For Bolt-On, Add	34.25	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	189.76	27.08
For Bolt-On, Add	34.25	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	286.97	36.10
For Bolt-On, Add	49.91	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	461.97	45.12
For Bolt-On, Add	75.30	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	715.32	56.15
For Bolt-On, Add	111.35	
For Installation In New Panelboard, Deduct	-31.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.61	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	809.20	58.67
For Bolt-On, Add	123.96	
For Installation In New Panelboard, Deduct	-32.59	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	885.31	67.69
For Bolt-On, Add	136.99	
For Installation In New Panelboard, Deduct	-37.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.13	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	271.85	36.10
For Bolt-On, Add	48.02	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	271.85	36.10
For Bolt-On, Add	48.02	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	342.33	45.12
For Bolt-On, Add	60.34	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	574.06	54.15
For Bolt-On, Add	92.82	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	836.18	70.20
For Bolt-On, Add	131.72	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	987.27	81.23
For Bolt-On, Add	155.00	
For Installation In New Panelboard, Deduct	-45.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	1,067.48	86.24
For Bolt-On, Add	166.78	
For Installation In New Panelboard, Deduct	-47.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.16	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	196.32	27.08
For Bolt-On, Add	35.07	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	196.32	27.08
For Bolt-On, Add	35.07	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	347.48	36.10
For Bolt-On, Add	57.48	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	629.75	45.12
For Bolt-On, Add	96.27	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	992.66	56.15
For Bolt-On, Add	146.02	
For Installation In New Panelboard, Deduct	-31.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.61	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,128.17	58.67
For Bolt-On, Add	163.83	
For Installation In New Panelboard, Deduct	-32.59	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.11	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,229.52	67.69
For Bolt-On, Add	180.01	
For Installation In New Panelboard, Deduct	-37.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.13	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	317.23	36.10
For Bolt-On, Add	53.69	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	317.23	36.10
For Bolt-On, Add	53.69	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	420.99	45.12
For Bolt-On, Add	70.17	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	765.77	54.15
For Bolt-On, Add	116.78	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	967.96	70.20
For Bolt-On, Add	148.20	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,534.92	81.23
For Bolt-On, Add	223.45	
For Installation In New Panelboard, Deduct	-45.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.15	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,634.51	86.24
For Bolt-On, Add	237.66	
For Installation In New Panelboard, Deduct	-47.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.16	
26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0490 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	104.51	18.05
For Bolt-On, Add	20.08	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0491 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	104.51	18.05
For Bolt-On, Add	20.08	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	178.14	22.56
For Bolt-On, Add	31.04	
For Installation In New Panelboard, Deduct	-12.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	223.16	27.08
For Bolt-On, Add	38.42	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	223.16	27.08
For Bolt-On, Add	38.42	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	403.02	36.10
For Bolt-On, Add	64.42	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	740.69	45.12
For Bolt-On, Add	110.14	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,430.83	56.15
For Bolt-On, Add	200.79	
For Installation In New Panelboard, Deduct	-31.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.61	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	365.66	36.10
For Bolt-On, Add	59.75	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	365.66	36.10
For Bolt-On, Add	59.75	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	488.28	45.12
For Bolt-On, Add	78.59	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	912.00	54.15
For Bolt-On, Add	135.06	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,778.95	70.20
For Bolt-On, Add	249.57	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	151.05	18.05
For Bolt-On, Add	25.90	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	151.05	18.05
For Bolt-On, Add	25.90	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	227.64	22.56
For Bolt-On, Add	37.23	
For Installation In New Panelboard, Deduct	-12.54	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	277.00	27.08
For Bolt-On, Add	45.15	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	277.00	27.08
For Bolt-On, Add	45.15	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	518.93	36.10
For Bolt-On, Add	78.91	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	937.35	45.12
For Bolt-On, Add	134.72	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,860.06	50.14
For Bolt-On, Add	251.81	
For Installation In New Panelboard, Deduct	-27.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.09	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	473.55	36.10
For Bolt-On, Add	73.23	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	473.55	36.10
For Bolt-On, Add	73.23	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	654.97	45.12
For Bolt-On, Add	99.42	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,058.23	54.15
For Bolt-On, Add	153.34	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	2,348.93	70.20
For Bolt-On, Add	320.82	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	70.72	18.05
For Bolt-On, Add	15.86	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	146.43	27.08
For Bolt-On, Add	28.83	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	230.50	36.10
For Bolt-On, Add	42.85	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	143.07	18.05
For Bolt-On, Add	24.90	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	143.07	18.05
For Bolt-On, Add	24.90	
For Installation In New Panelboard, Deduct	-10.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	284.96	36.10
For Bolt-On, Add	49.66	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	321.35	27.08
For Bolt-On, Add	50.70	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	321.35	27.08
For Bolt-On, Add	50.70	
For Installation In New Panelboard, Deduct	-15.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	618.88	36.10
For Bolt-On, Add	91.40	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,048.28	45.12
For Bolt-On, Add	148.59	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,301.82	56.15
For Bolt-On, Add	309.66	
For Installation In New Panelboard, Deduct	-31.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.61	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	536.99	36.10
For Bolt-On, Add	81.16	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	536.99	36.10
For Bolt-On, Add	81.16	
For Installation In New Panelboard, Deduct	-20.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.07	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	747.07	45.12
For Bolt-On, Add	110.93	
For Installation In New Panelboard, Deduct	-25.07	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.09	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,138.91	54.15
For Bolt-On, Add	163.42	
For Installation In New Panelboard, Deduct	-30.08	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,862.21	70.20
For Bolt-On, Add	384.98	
For Installation In New Panelboard, Deduct	-38.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.63	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	127.20	50.14
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	441.11	200.56
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	659.17	286.30
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,404.39	601.78
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,533.05	651.83
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	170.57	55.15
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	288.03	60.17
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	173.03	55.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0547 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	192.39	60.17
26 24 16 00-0548 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	708.49	286.30
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,608.11	651.83
26 24 16 00-0550 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
<small>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.</small>		
26 24 16 00-0551 EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	208.10	55.15
26 24 16 00-0552 EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,541.74	601.78
26 24 16 00-0553 Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0554 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,638.13	601.78
26 24 16 00-0555 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,777.52	651.83
26 24 16 00-0556 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	5,666.77	1,002.81
26 24 16 00-0557 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
<small>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.</small>		
26 24 16 00-0558 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,260.87	601.78
26 24 16 00-0559 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,464.05	651.83
26 24 16 00-0560 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	6,190.76	1,002.81
26 24 16 00-0561 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,707.83	601.78
26 24 16 00-0563 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,896.53	651.83
26 24 16 00-0564 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
<small>Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.</small>		
26 24 16 00-0565 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,376.46	601.78
26 24 16 00-0566 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,476.60	651.83
26 24 16 00-0567 Residential Type Assembled Load Center <small>(26 24 16 00-0534)</small>		
26 24 16 00-0568 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0569 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	659.49	286.30
26 24 16 00-0570 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	796.49	334.44
26 24 16 00-0571 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	671.28	286.30
26 24 16 00-0572 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	799.71	334.44
26 24 16 00-0573 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,142.45	445.75
26 24 16 00-0574 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,352.00	535.00
26 24 16 00-0575 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,548.54	617.23
26 24 16 00-0576 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,700.92	668.18
26 24 16 00-0577 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,547.08	1,002.81
26 24 16 00-0578 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,184.26	445.75
26 24 16 00-0579 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,391.67	535.00
26 24 16 00-0580 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,588.21	617.23
26 24 16 00-0581 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,738.45	668.18
26 24 16 00-0582 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,670.39	1,002.81
26 24 16 00-0583 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,080.87	1,114.22
26 24 16 00-0584 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,209.54	1,114.22
26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small>		
<small>Note: Includes 1 pole plug-in breaker.</small>		
26 24 16 00-0586 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	856.54	334.44
26 24 16 00-0587 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,278.37	501.41
26 24 16 00-0588 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	891.92	334.44
26 24 16 00-0589 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,310.53	501.41
26 24 16 00-0590 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,609.65	617.23
26 24 16 00-0591 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,755.24	668.58
26 24 16 00-0592 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,141.11	802.55
26 24 16 00-0593 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,589.97	1,002.81
26 24 16 00-0594 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,647.18	617.23
26 24 16 00-0595 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,709.42	668.18
26 24 16 00-0596 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,284.84	801.95
26 24 16 00-0597 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,734.72	1,002.81
26 24 16 00-0598 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	3,113.04	1,114.22

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,241.70	1,114.22
26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	852.25	334.44
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,263.36	501.41
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,439.92	535.00
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,653.15	617.53
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,814.21	668.58
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,404.98	891.50
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,450.64	535.00
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,673.98	617.23
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,818.86	668.18
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,346.01	891.50
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,185.24	1,114.22
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	4,399.69	1,114.22
26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,114.43	668.58
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,933.08	1,002.81
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,178.05	668.18
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,997.41	1,002.81
26 24 16 00-0618 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0619 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0618)</small>		
Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder	54.75	18.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.03	
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	61.68	18.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.03	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder	86.54	27.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.05	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	104.64	27.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.05	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder	123.94	36.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.07	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	147.98	36.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.07	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	168.09	36.10
Note: With indicators.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.07	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	141.43	36.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.07	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder	155.80	45.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.09	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	182.20	45.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.09	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	61.71	18.05
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.03	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	65.39	18.05
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.03	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	62.39	18.05
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.03	
26 24 16 00-0633 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small>		
Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634 EA Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity	1,257.84	
Note: Includes removal and reinstallation of main wiring to panelboard.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	376.06	
26 24 16 00-0635 EA Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage	66.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	19.55	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening	4.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	0.94	
26 24 19 Motor-Control Centers <small>(26 24)</small>		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small>		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	1,941.16	91.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	55.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,297.85 57.76	96.26
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,415.75 60.51	100.84
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,186.59 71.51	119.18
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,450.96 82.51	137.51
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,943.68 110.01	183.36
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,941.16 55.01	91.67
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,297.85 57.76	96.26
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,415.75 60.51	100.84
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,186.59 71.51	119.18
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,450.96 82.51	137.51
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,943.68 110.01	183.36
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,809.03 55.01	91.67
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,741.23 57.76	96.26
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,359.26 60.51	100.84
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,371.23 71.51	119.18
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,435.95 82.51	137.51
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,766.31 110.01	183.36
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,809.03 55.01	91.67
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,741.23 57.76	96.26
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,359.26 60.51	100.84
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,371.23 71.51	119.18
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,435.95 82.51	137.51
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,766.31 110.01	183.36
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,421.00 88.01	146.68
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,700.69 93.51	155.85
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,914.44 99.01	165.02
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,345.86 112.76	187.94
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,443.35 132.02	220.03
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,421.00 88.01	146.68
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,700.69 93.51	155.85
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,914.44 99.01	165.02
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,345.86 112.76	187.94

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,443.35 132.02	220.03
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,943.52 55.01	91.67
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,864.94 57.76	96.26
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,025.39 60.51	100.84
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,069.38 71.51	119.18
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,101.52 82.51	137.51
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,943.52 55.01	91.67
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,864.94 57.76	96.26
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,025.39 60.51	100.84
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,069.38 71.51	119.18
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,101.52 82.51	137.51
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,828.17 88.01	96.26
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,918.98 101.76	105.43
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,027.09 112.76	119.18
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,240.49 137.52	137.51
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,753.65 176.03	183.36
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,828.17 88.01	96.26
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,918.98 101.76	105.43
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,027.09 112.76	119.18
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,240.49 137.52	137.51
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,753.65 176.03	183.36
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,989.16 88.01	146.68
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,151.10 101.76	169.60
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,045.38 112.76	187.94
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,407.08 137.52	229.20
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,163.73 176.03	293.37
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,989.16 88.01	146.68
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,151.10 101.76	169.60
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,045.38 112.76	187.94
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,407.08 137.52	229.20
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,163.73 176.03	293.37
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,430.02 71.51	119.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,431.95 88.01	146.68
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,250.30 101.76	169.60
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,138.77 112.76	187.94
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,736.85 137.52	229.20
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,923.97 176.03	293.37
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,430.02 71.51	119.18
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,431.95 88.01	146.68
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,250.30 101.76	169.60
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,138.77 112.76	187.94
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,736.85 137.52	229.20
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,923.97 176.03	293.37
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,593.90 55.01	91.67
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,950.59 57.76	96.26
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,557.59 60.51	100.84
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,391.20 71.51	119.18
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,014.11 82.51	137.51
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,468.48 110.01	183.36
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,593.90 55.01	91.67
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,950.59 57.76	96.26
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,557.59 60.51	100.84
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,391.20 71.51	119.18
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,014.11 82.51	137.51
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,468.48 110.01	183.36
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,456.26 55.01	91.67
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,381.10 57.76	96.26
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,475.36 60.51	100.84
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,546.42 71.51	119.18

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,947.62 82.51	137.51
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,456.26 55.01	91.67
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,381.10 57.76	96.26
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,475.36 60.51	100.84
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,546.42 71.51	119.18
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,947.62 82.51	137.51
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,057.19 88.01	146.68
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,327.69 93.51	155.85
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,012.15 99.01	165.02
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,495.31 112.76	187.94
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,934.80 132.02	220.03
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,057.19 88.01	146.68
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,327.69 93.51	155.85
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,012.15 99.01	165.02
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,495.31 112.76	187.94
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,934.80 132.02	220.03
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,671.39 82.51	137.51
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,581.74 88.01	146.68
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,227.59 93.51	155.85
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,312.26 107.26	178.77
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,690.02 126.52	210.86
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,671.39 82.51	137.51
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,581.74 88.01	146.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,227.59 93.51	155.85
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,312.26 107.26	178.77
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,690.02 126.52	210.86
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,445.97 57.76	96.26
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,375.23 63.26	105.43
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,529.57 71.51	119.18
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,552.00 82.51	137.51
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,682.97 110.01	183.36
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,445.97 57.76	96.26
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,375.23 63.26	105.43
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,529.57 71.51	119.18
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,552.00 82.51	137.51
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,682.97 110.01	183.36
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,625.35 88.01	146.68
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,774.42 101.76	169.60
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,135.74 112.76	187.94
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,940.82 137.52	229.20
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,462.88 176.03	293.37
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,625.35 88.01	146.68
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,774.42 101.76	169.60
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,135.74 112.76	187.94
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,940.82 137.52	229.20
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,462.88 176.03	293.37
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,957.73 71.51	119.18
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,954.14 88.01	146.68
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,754.11 101.76	169.60
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,556.16 112.76	187.94
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,060.46 137.52	229.20

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	56,143.29	293.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.03	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	16,957.77	119.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.52	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	17,954.14	146.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.01	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	19,754.11	169.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.76	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	29,556.16	187.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.76	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	40,060.46	229.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.52	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	56,143.29	293.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.03	
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,727.87	91.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,380.59	96.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,007.81	100.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.51	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,063.65	119.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.51	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,461.73	137.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,438.04	183.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,727.87	91.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,380.59	96.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,007.81	100.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.51	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,063.65	119.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.51	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,461.73	137.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,438.04	183.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,785.13	91.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,145.75	96.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.76	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,627.97	100.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.51	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,798.06	119.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.51	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,608.27	137.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,226.80	183.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,785.13	91.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,145.75 57.76	96.26
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,627.97 60.51	100.84
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,798.06 71.51	119.18
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,608.27 82.51	137.51
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,226.80 110.01	183.36
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,266.55 88.01	146.68
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,487.40 93.51	155.85
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,052.34 99.01	165.02
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,584.89 112.76	187.94
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,040.68 132.02	220.03
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,266.55 88.01	146.68
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,487.40 93.51	155.85
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,052.34 99.01	165.02
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,584.89 112.76	187.94
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,040.68 132.02	220.03
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,719.19 55.01	91.67
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,666.36 57.76	96.26
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,154.10 60.51	100.84
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,426.35 71.51	119.18
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,719.19 55.01	91.67
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,666.36 57.76	96.26
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,154.10 60.51	100.84
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,426.35 71.51	119.18
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,627.75 57.76	96.26
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,928.43 63.26	105.43
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,534.83 71.51	119.18
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,074.75 82.51	137.51
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,080.17 110.01	183.36
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,627.75 57.76	96.26
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,928.43 63.26	105.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,534.83 71.51	119.18
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,074.75 82.51	137.51
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,080.17 110.01	183.36
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,013.06 88.01	146.68
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,309.22 101.76	169.60
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,442.29 112.76	187.94
26 24 19 00-0248	EA		75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,810.01 137.52	229.20
26 24 19 00-0249			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250	EA		15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,013.06 88.01	146.68
26 24 19 00-0251	EA		40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,309.22 101.76	169.60
26 24 19 00-0252	EA		75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,442.29 112.76	187.94
26 24 19 00-0253	EA		150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,810.01 137.52	229.20
26 24 19 00-0254			230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255	EA		7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,428.18 71.51	119.18
26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,431.95 88.01	146.68
26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,250.30 101.76	169.60
26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,138.77 112.76	187.94
26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,736.85 137.52	229.20
26 24 19 00-0260	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,923.97 176.03	293.37
26 24 19 00-0261			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,428.18 71.51	119.18
26 24 19 00-0263	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,431.95 88.01	146.68
26 24 19 00-0264	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,250.30 101.76	169.60
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,138.77 112.76	187.94
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,736.85 137.52	229.20
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,923.97 176.03	293.37
26 24 19 00-0268			Starter Accessories (26 24 19)		
26 24 19 00-0269			Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270	EA		Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	93.93	
26 24 19 00-0271	EA		Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	286.84	
26 24 19 00-0272	EA		Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA.....	410.03	
26 24 19 00-0273	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA.....	102.97	
26 24 19 00-0274	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA.....	145.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0275	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55	
	26 24 19 00-0276	EA		Overload Relay Heater Elements, 3 Per Starter	60.68	
	26 24 19 00-0277	EA		N.O. Overload Relay Alarm	51.48	
	26 24 19 00-0278	EA		Control Circuit Fuses, Primary/Secondary	38.26	
	26 24 19 00-0279	EA		Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	47.30	
	26 24 19 00-0280	EA		Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	92.51	
	26 24 19 00-0281	EA		Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	47.30	
	26 24 19 00-0282	EA		Control Devices Type PB2 Mount On Device, Individual Light Full V	54.25	
	26 24 19 00-0283	EA		Control Devices Type PB2 Mount On Device, Individual Light Transformer	65.38	
	26 24 19 00-0284	EA		Control Devices Type PB2 Mount On Device, Individual Light Push To	77.21	
	26 24 19 00-0285	EA		Blank Devices Panel	14.61	
	26 24 19 00-0286	EA		Oversize Or Special Color Starter	22.95	
	26 24 19 00-0287	EA		Mini Voltmeter/Ammeter With Current Transformer	218.78	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.25</i>	
	26 24 19 00-0288	EA		Mini Elapsed Time Meters, Non Resettable	200.00	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.25</i>	
	26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable	271.27	
	26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	22.95	
	26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	32.69	
	26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard	22.95	
	26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In	32.69	
	26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	32.69	
	26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	47.30	
	26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay	117.55	
	26 24 19 00-0297	EA		Heater Module	39.74	
	26 24 19 00-0298	EA		LAM - Long Acceleration Module	246.86	
	26 24 19 00-0299	EA		JAM - Jam Protection Module	282.98	
	26 24 19 00-0300	EA		PUM - Phase Unbalance Module	537.07	
	26 24 19 00-0301	EA		ULM - Underload Module	257.70	
	26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer	56.60	
	26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit	105.97	
	26 24 19 00-0304	EA		Type SIS Control Wire	44.55	
	26 24 19 00-0305	EA		Ring Or Spade Terminals Control	56.60	
	26 24 19 00-0306	EA		Ring Terminals Power	56.60	
	26 24 19 00-0307	EA		14 Gauge Control Wire	44.55	
	26 24 19 00-0308	EA		Wiremakers	56.60	
	26 24 19 00-0309	EA		Wiring Diagram On Door	33.72	
	26 24 19 00-0310	EA		Special Color Or Type Control Wire	40.94	
	26 24 19 00-0311	EA		Current Transformer 12.5 VA	321.52	
	26 24 19 00-0312	EA		Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,027.17	
	26 24 19 00-0313	EA		Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,156.02	
	26 24 19 00-0314			Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
	26 24 19 00-0315	EA		Control Relays, 600 Volt, 2 Pole	285.99	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.25</i>	
	26 24 19 00-0316	EA		Control Relays, 600 Volt, 4 Pole	343.42	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.75</i>	
	26 24 19 00-0317	EA		Control Relays, 600 Volt, 6 Pole	410.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>22.01</i>	
	26 24 19 00-0318	EA		Control Relays, 600 Volt, 8 Pole	460.31	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>27.50</i>	
	26 24 19 00-0319	EA		Control Relays, Pneumatic Timer	365.09	
	26 24 19 00-0320	EA		Control Relays, Motor Driven Timer	951.36	
	26 24 19 00-0321	EA		Control Relays, 7 Day Time Switch	1,197.42	
	26 24 19 00-0322	EA		Control Relays, 24 Hour Time Switch	335.78	
	26 24 19 00-0323	EA		Control Relays, Phase Voltage	571.17	
	26 24 19 00-0324	EA		Control Relays, Two Circuit Alternator	799.47	
	26 24 19 00-0325	EA		Control Relays, Manual 120 Volt	78.17	
	26 24 19 00-0326	EA		Control Relays, Over-Current Relay	2,297.59	
	26 24 19 00-0327	EA		Control Relays, UV-Relay	1,945.96	
	26 24 19 00-0328	EA		Control Relays, Over-Current Relay	1,945.96	
	26 24 19 00-0329	EA		Control Relays, Teleductor	588.94	
	26 24 19 00-0330	EA		Control Relays, Current Transducer	1,583.83	
	26 24 19 00-0331	EA		Control Relays, Watt Transducer	3,167.66	
	26 24 19 00-0332	EA		Control Relays, Blank, Add For Each 1x	107.48	
	26 24 19 00-0333	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	160.78	
	26 24 19 00-0334	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	181.21	
	26 24 19 00-0335	EA		Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	201.64	
	26 24 19 00-0336	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	181.21	
	26 24 19 00-0337	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	201.64	
	26 24 19 00-0338	EA		Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	212.30	
	26 24 19 00-0339			Circuit Breaker Modifications/Accessories <small>(26 24 19 00-0268)</small>		
	26 24 19 00-0340	EA		Circuit Breaker, Shunt Trip	300.65	
	26 24 19 00-0341	EA		Circuit Breaker, Auxiliary Switch	103.85	
	26 24 19 00-0342	EA		Circuit Breaker, Key Interlock	373.51	
	26 24 19 00-0343	EA		Circuit Breaker, GFR Ground Fault	1,721.85	
	26 24 19 00-0344	EA		Circuit Breaker, Seltronic Breaker	997.43	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.47 35.75	59.59
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,640.09 55.01	91.67
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,565.54 35.75	59.59
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,253.85 55.01	91.67
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,880.57 55.01	91.67
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,814.26 71.52	119.18
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,907.34 77.03	128.35
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,832.52 98.97	165.02
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,540.49 151.32	252.12
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,443.41 228.46	380.47
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,942.02 302.28	504.23
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,765.96 379.19	632.57
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,467.81 440.43	733.33
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,135.64 35.75	59.59
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,820.07 55.01	91.67
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,135.64 35.75	59.59
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,820.07 55.01	91.67
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,908.68 35.75	59.59
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,619.01 55.01	91.67
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,237.95 55.01	91.67
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,730.73 55.01	91.67
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,395.47 151.32	252.12
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,395.47 151.32	252.12
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,884.68 164.95	275.03
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,335.93 192.44	320.87
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,447.86 228.46	380.47
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps 26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	1,033.52 1,562.15	91.67 91.67
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps 26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps	1,650.96 2,656.35	114.59 137.51
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps 26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps	5,179.62 7,256.44	174.19 229.20
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps 26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	17,502.78 19,794.05	307.12 426.31
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	883.10 911.59	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	941.37 1,079.92	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,170.56 1,292.09	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	1,592.69 1,794.69	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers 26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	4,172.06 2,214.22	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	3,067.54 4,780.65	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers 26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	4,427.15 6,135.08	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	6,177.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,556.95	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	223.97	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	489.67	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	201.71	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	489.67	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	271.96	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	288.66	
26 24 19 00-0405 EA Add For Additional Circuits	66.23	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	1,009.95	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	1,057.94	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	932.74	
26 24 19 00-0409 EA Add For Demand Attachment	433.51	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	278.92	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	481.32	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	560.62	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	467.41	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester	502.89	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	384.64	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	15,982.55	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	23,275.24	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	30,584.77	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	46,555.67	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	399.00	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	894.51	
26 24 19 00-0439 EA Throat And Transition To Substation	1,726.85	
26 24 19 00-0440 EA Service Entrance Label	373.97	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition	781.70	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus	287.80	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width	246.95	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	246.95	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth	763.93	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth	861.65	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space	73.73	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof	198.98	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	41.75	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	179.44	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	350.42	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	179.44	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	226.39	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted	3,229.63	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,732.98	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted	3,736.59	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	550.05	275.03
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	825.06	412.55
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	916.78	458.39
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	1,100.23	550.07
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	91.67	45.84
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	550.05	275.03
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	825.06	412.55
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	916.78	458.39

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps.....	1,100.23	550.07
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps.....	91.67	45.84
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	641.76	320.87
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	825.06	412.55
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	1,100.23	550.07
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,283.33	641.65
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps.....	137.51	68.76
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	733.43	366.71
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	1,008.54	504.23
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,283.33	641.65
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,466.59	733.33
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps.....	183.36	91.67
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	733.43	366.71
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	1,100.23	550.07
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,375.02	687.49
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,558.62	779.36
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	183.36	91.67
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	9,759.49	183.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.01	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	9,759.49	183.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.01	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	9,759.49	183.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.01	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	9,805.36	206.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.77	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	10,419.90	229.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.52	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	10,465.72	252.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.26	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	10,511.56	275.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.02	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	10,603.27	320.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	192.53	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	10,694.94	366.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.03	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	17,875.68	412.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	247.52	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	19,196.79	458.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.03	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	14,421.98	183.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.01	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	15,028.58	197.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.27	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	17,067.88	215.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.27	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	18,991.17	229.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.52	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	20,673.09	265.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.53	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	22,645.75	284.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.53	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	24,617.23	302.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.51	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	26,959.87	330.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	198.03	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	31,361.35	366.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.03	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	33,972.87	389.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.80	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	51,792.88	458.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.03	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	55,193.66	504.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	302.56	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	58,157.76	550.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	330.07	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	63,325.67	596.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	357.61	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	13,614.26	183.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.01	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	13,660.13	206.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.77	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	13,705.94	229.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.52	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	13,751.76	252.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.26	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	13,799.90	275.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.02	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	13,845.78	297.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,891.61 192.53	320.87
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,074.91 247.52	412.55
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,821.37 275.03	458.39
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,913.13 302.56	504.23
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,227.31 330.07	550.07
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,365.19 55.01	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,526.04 55.01	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,427.17 55.01	
26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,672.42 165.02	275.03
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,718.30 178.78	297.95
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,764.13 192.53	320.87
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,809.99 206.29	343.79
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,418.79 220.03	366.71
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,464.68 233.80	389.63
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,510.42 247.52	412.55
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,556.35 261.30	435.47
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,602.14 275.03	458.39
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,535.22 357.61	596.00
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,626.53 365.00	641.65
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,941.87 412.51	687.49
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,033.44 439.98	733.33
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,768.47 165.02	275.03
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,975.21 178.78	297.95
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,445.35 192.53	320.87
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,381.26 206.29	343.79
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,035.61 220.03	366.71
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,017.51 233.80	389.63
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,878.61 247.52	412.55
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,331.62 261.30	435.47
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,628.57 275.03	458.39
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,553.73 288.79	481.31
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,524.74 316.30	527.15
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,970.81 330.07	550.07
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,278.86 343.79	572.99
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,501.80 357.61	596.00
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,984.22 439.98	733.33
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80,027.08 467.59	779.36
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96,117.91 495.04	825.10
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101,638.68 495.04	825.10
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,616.60 192.53	320.87

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,662.46 206.29	343.79
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,708.27 220.03	366.71
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,754.16 233.80	389.63
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,010.91 247.52	412.55
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,056.84 261.30	435.47
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,102.63 275.03	458.39
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,148.48 288.79	481.31
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,194.39 302.56	504.23
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,469.18 385.00	641.65
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,376.47 412.51	687.49
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,685.94 439.98	733.33
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,685.94 439.98	733.33
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,475.93 55.01	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,733.35 55.01	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,376.08 55.01	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	11,031.21	183.36
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	13,257.35	275.03
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters.....	182.76	13.75
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused.....	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max.....	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each.....	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each.....	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light.....	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light.....	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter.....	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter.....	417.31	13.75
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection.....	3,000.50	45.84
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection.....	5,731.12	22.92
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	1,613.03	22.92
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters.....	2,668.28	13.75
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism.....	3,849.42	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	367.04	45.84
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	273.77	45.84
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included.....	900.34	274.77
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included.....	1,567.34	486.36
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	1,897.19	622.74
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,029.20	1,002.81
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,539.30	1,103.09
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,463.45	1,223.43
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included.....	5,200.54	1,434.02
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	8,538.89	1,670.68
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs.....	780.59	350.99
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs.....	851.59	350.99
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs.....	1,211.62	551.55
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs.....	2,776.12	1,002.81
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs.....	4,192.98	1,454.08
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs.....	5,932.65	2,005.62
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section.....	4,254.83	485.26
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section.....	8,799.30	623.35
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0616 EA 600 Amp, Main Circuit Breaker Section.....	9,321.51	970.93
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section.....	13,010.76	970.93
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section.....	18,656.12	1,098.58
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620 EA 200 Amp, Fusible Main Disconnect Section.....	3,731.39	485.86
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621 EA 400 Amp, Fusible Main Disconnect Section.....	5,125.03	623.65
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622 EA 600 Amp, Fusible Main Disconnect Section.....	9,871.28	971.73
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623 EA 800 Amp, Fusible Main Disconnect Section.....	11,384.68	971.73
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624 EA 1,200 Amp, Fusible Main Disconnect Section.....	15,880.07	1,099.58
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0625 Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626 Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter.....	729.87	203.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.07	
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter.....	842.58	203.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.57	
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter.....	1,209.40	288.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.90	
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter.....	1,915.70	380.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.91	
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter.....	3,308.46	475.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.89	
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter.....	681.19	177.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.28	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter .....790.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 112.93		177.50
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter .....1,147.33 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 154.28		256.71
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter .....1,852.39 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 208.92		347.97
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter .....3,257.40 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 269.57		444.24
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter .....702.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 90.83		164.46
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter .....821.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 106.68		164.46
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter .....1,209.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 147.47		245.68
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter .....1,920.24 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 203.83		339.95
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter .....3,316.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 261.15		436.23
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter .....753.42 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.75		243.68
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter .....1,002.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 153.81		243.68
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter .....1,396.10 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 194.34		324.91
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter .....2,209.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 250.70		416.17
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter .....3,831.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 305.73		508.43
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter .....898.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 131.95		230.65
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter .....1,023.45 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 144.08		230.65
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter .....1,462.72 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 188.50		314.88
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter .....2,269.93 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 243.40		406.14
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter .....3,905.03 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 302.05		501.41
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter .....673.68 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 112.93		187.53
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter .....997.62 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 153.81		256.71
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter .....1,537.11 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 200.56		333.94
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter .....2,110.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 281.69		468.32
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter .....3,548.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 358.15		596.67
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter .....669.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 100.28		167.47
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter .....905.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.75		229.64
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter .....1,317.59 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 184.34		306.86
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter .....2,158.05 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 266.70		443.24
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter .....3,581.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 338.79		563.58
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter .....695.36 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 93.90		156.44
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter .....937.30 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 128.57		212.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,408.63 179.07	295.83
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,248.15 261.15	436.23
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,403.41 334.27	557.56
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.72 140.84	234.65
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,104.59 175.32	292.82
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,570.31 225.86	377.06
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,488.22 305.73	508.43
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,107.21 379.85	634.78
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	877.91 131.95	220.62
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,136.49 166.03	276.77
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,640.75 216.12	360.01
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,566.86 298.46	496.39
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,178.59 368.68	614.73
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	214.38	68.20
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	214.38	68.20
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	317.52	99.27
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	384.86	130.36
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	632.82	198.56
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	214.38	68.20
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	289.97	99.27
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	398.34	130.36
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	670.44	198.56
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	942.17	288.81
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	236.77	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	2,331.72	527.78
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway.....	4,212.90	1,374.45
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710	EA		25"-35" Wide Basic Section (No Vertical Wireway).....	4,212.90	1,374.45
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0711	EA		25" Wide Basic Section With 9" Wide Vertical Wireway.....	4,557.87	1,374.45
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0712	EA		Corner Section.....	4,557.87	1,374.45
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0713			Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0494)</small>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	986.29	193.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.82	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,097.30	214.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.45	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	1,847.95	287.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.70	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	2,655.58	379.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.70	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	5,798.57	474.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.57	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	13,147.51	474.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.57	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	977.54	166.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.18	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,102.31	188.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.81	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	1,864.85	256.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.03	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	2,636.54	347.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.80	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker.....	5,792.56	449.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.57	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker.....	13,220.58	449.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.57	
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,535.53	241.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.92	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,864.88	267.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37	
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,020.26	359.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.51	
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,102.40	474.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.89	
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	9,042.63	594.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.45	
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,535.56	208.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.14	
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,879.82	235.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.11	
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	3,045.86	321.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.85	
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	5,089.21	435.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	261.15	
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	9,044.63	562.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.27	
26 24 19 00-0738			Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,667.42	241.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.92	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,322.97	267.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,289.04	359.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.51	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	5,831.31	474.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.89	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	11,456.21	594.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	356.45	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,667.45	208.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.14	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,337.92	235.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.11	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	4,314.63	321.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.85	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	5,818.11	435.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	261.15	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	11,458.21	562.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.27	
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small>		
<small>Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.</small>		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	816.94	188.23
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,071.73	255.81
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	1,726.27	333.34
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	2,850.49	469.52
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	5,501.34	596.87
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	13,347.89	596.87
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	817.13	166.87
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,075.57	229.14
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	1,753.12	307.26
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	2,844.49	444.54
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	5,480.76	564.68
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	13,406.44	564.68
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,349.62	235.66
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,874.91	319.80
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,851.69	416.47
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,792.26	588.55
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,248.66	688.73
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,360.88	208.59
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,886.88	286.20
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,888.93	384.48
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,790.50	554.66
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,236.09	649.52
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,548.34	235.66
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,340.05	319.80
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,133.65	416.47
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,059.56	588.55
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	11,171.60	688.73
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,560.18	208.59
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,352.01	286.20
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,170.90	384.48
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,057.79	554.66
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	11,159.04	649.52
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small>		
<small>Note: Per section. Labor is included in basic distribution section.</small>		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit.....	158.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit.....	192.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.53	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	231.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	298.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	495.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	92.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0792	Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small>		
	Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	720.48	144.91
26 24 19 00-0795	EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,229.06	160.45
26 24 19 00-0796	EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,506.38	216.11
26 24 19 00-0797	EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,474.38	284.80
26 24 19 00-0798	EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,228.60	356.00
26 24 19 00-0799	EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,806.68	356.00
26 24 19 00-0800	EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,804.42	445.75
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small>		
	Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA 30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	571.94	140.89
26 24 19 00-0803	EA 60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	691.84	192.04
26 24 19 00-0804	EA 100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	936.29	245.68
26 24 19 00-0805	EA 200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,673.85	351.99
26 24 19 00-0806	EA 400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,853.49	447.66
26 24 19 00-0807	EA 600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	6,159.52	447.66
26 24 19 00-0808	EA 800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	7,618.72	559.57
26 24 19 00-0809	EA 1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	11,079.51	559.57
26 24 19 00-0810	Control Circuit Transformer <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA Control Circuit Transformer, Size 1 Factory Installed.....	41.88	
26 24 19 00-0812	EA Control Circuit Transformer, Size 2 Factory Installed.....	41.88	
26 24 19 00-0813	EA Control Circuit Transformer, Size 3 Factory Installed.....	80.66	
26 24 19 00-0814	EA Control Circuit Transformer, Size 4 Factory Installed.....	80.66	
26 24 19 00-0815	EA Control Circuit Transformer, Size 5 Factory Installed.....	112.05	
26 24 19 00-0816	EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	39.46	11.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	
26 24 19 00-0817	Cover Mounted Control Devices <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA Control Device, 2 Unit Push Button Station Cover Mounted.....	83.67	20.06
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.54	
26 24 19 00-0819	EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	95.66	20.06
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.67	
26 24 19 00-0820	EA Control Device, Pilot Light Cover Mounted.....	76.28	20.06
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.39	
26 24 19 00-0821	EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	223.85	68.20
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.10	
26 24 19 00-0822	EA Auxiliary Contact Add Per Starter.....	232.24	25.97
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 24 19 00-0823	Extra Interlocks <small>(26 24 19 00-0484)</small>		
	Note: Per contact.		
26 24 19 00-0824	EA Extra Interlocks, Class I, Type A Per Contact.....	55.82	13.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.39	
26 24 19 00-0825	EA Extra Interlocks, Class I, Type B Per Contact.....	73.32	13.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.39	
26 24 19 00-0826	EA Extra Interlocks, Class I, Type C Per Contact.....	78.64	13.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.84	
26 24 19 00-0827	EA Extra Interlocks, Class II, Type B Per Contact.....	69.91	13.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 24 19 00-0828	EA Extra Interlocks, Class II, Type C Per Contact.....	71.80	13.03
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 24 19 00-0829	Special Cabinet Provisions <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831	Nameplate Requirements <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements.....	18.61	
26 24 19 00-0833	Auxiliary Relays <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	119.15	25.10
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.06	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	113.55	22.59
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.06	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	71.75	22.59
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0837				Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838				Lighting Transformer With Circuit Breaker (26 24 19 00-0837) Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA			1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,250.15	321.18
26 24 19 00-0840	EA			1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,379.24	334.03
26 24 19 00-0841	EA			1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,693.47	359.72
26 24 19 00-0842	EA			1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,598.32	385.42
26 24 19 00-0843	EA			1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,111.04	411.11
26 24 19 00-0844	EA			1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,478.40	462.50
26 24 19 00-0845	EA			1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,763.49	513.89
26 24 19 00-0846	EA			3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,785.59	423.96
26 24 19 00-0847	EA			3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,287.01	462.50
26 24 19 00-0848	EA			3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,180.48	513.89
26 24 19 00-0849	EA			3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,631.18	565.28
26 24 19 00-0850	EA			3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,163.33	616.66
26 24 19 00-0851	EA			3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,476.16	668.05
26 24 19 00-0852				Bolt-On Lighting Panel (26 24 19 00-0837) Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA			18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,612.47	521.87
26 24 19 00-0854	EA			30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,572.85	908.35
26 24 19 00-0855	EA			42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,432.70	1,228.94
26 24 19 00-0856	EA			18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,698.03	564.68
26 24 19 00-0857	EA			30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,534.20	888.99
26 24 19 00-0858	EA			42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,586.31	1,305.77
26 24 19 00-0859	EA			18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,550.52	605.30
26 24 19 00-0860	EA			30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,498.84	971.73
26 24 19 00-0861	EA			42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,428.65	1,305.77
26 24 19 00-0862	EA			18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,645.73	652.83
26 24 19 00-0863	EA			30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,498.84	971.73
26 24 19 00-0864	EA			42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,512.90	1,347.88
26 24 19 00-0865				Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837) Note: For MCC lighting panel only.		
26 24 19 00-0866	EA			15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	17.27	
26 24 19 00-0867	EA			15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	161.57	
26 24 19 00-0868	EA			15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	33.76	
26 24 19 00-0869	EA			60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	77.73	
26 24 19 00-0870	EA			15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	91.08	
26 24 19 00-0871	EA			60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	138.18	
26 24 19 00-0872				Blank Unit Door (BUD) (26 24 19 00-0837) Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA			6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24 19 00-0874	EA			12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	51.70	
26 24 19 00-0875	EA			18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.55	
26 24 19 00-0876	EA			24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	103.41	
26 24 19 00-0877	EA			30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.11	
26 24 19 00-0878	EA			48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	180.96	
26 24 19 00-0879	EA			72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	206.81	
26 25				Enclosed Bus Assemblies (26 25)		
26 25 00 00-0001				Bus Ducts (26 25)		
26 25 00 00-0002				Plug-In Bus Duct (26 25 00 00-0001) Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003				600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0002)		
26 25 00 00-0004	LF			225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	244.80	30.09
				For Up To 25, Add	61.20	
				For >25 To 50, Add	36.72	
				For >50 To 100, Add	18.36	
26 25 00 00-0005	LF			400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	345.97	30.09
				For Up To 25, Add	86.49	
				For >25 To 50, Add	51.90	
				For >50 To 100, Add	25.95	
26 25 00 00-0006	LF			600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	438.08	40.11
				For Up To 25, Add	109.52	
				For >25 To 50, Add	65.71	
				For >50 To 100, Add	32.86	
26 25 00 00-0007	LF			800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	603.95	40.11
				For Up To 25, Add	150.99	
				For >25 To 50, Add	90.59	
				For >50 To 100, Add	45.30	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0008	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	637.19	50.14
			<i>For Up To 25, Add</i>	159.30	
			<i>For >25 To 50, Add</i>	95.58	
			<i>For >50 To 100, Add</i>	47.79	
26 25 00 00-0009	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	886.53	50.14
			<i>For Up To 25, Add</i>	221.63	
			<i>For >25 To 50, Add</i>	132.98	
			<i>For >50 To 100, Add</i>	66.49	
26 25 00 00-0010	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,036.92	52.65
			<i>For Up To 25, Add</i>	259.23	
			<i>For >25 To 50, Add</i>	155.54	
			<i>For >50 To 100, Add</i>	77.77	
26 25 00 00-0011	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,261.60	54.15
			<i>For Up To 25, Add</i>	315.40	
			<i>For >25 To 50, Add</i>	189.24	
			<i>For >50 To 100, Add</i>	94.62	
26 25 00 00-0012	LF		2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,556.09	57.16
			<i>For Up To 25, Add</i>	389.02	
			<i>For >25 To 50, Add</i>	233.41	
			<i>For >50 To 100, Add</i>	116.71	
26 25 00 00-0013	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,796.82	66.68
			<i>For Up To 25, Add</i>	449.21	
			<i>For >25 To 50, Add</i>	269.52	
			<i>For >50 To 100, Add</i>	134.76	
26 25 00 00-0014	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,078.96	72.70
			<i>For Up To 25, Add</i>	519.74	
			<i>For >25 To 50, Add</i>	311.84	
			<i>For >50 To 100, Add</i>	155.92	
26 25 00 00-0015			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016	LF		225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	398.97	30.09
			<i>For Up To 25, Add</i>	99.74	
			<i>For >25 To 50, Add</i>	59.85	
			<i>For >50 To 100, Add</i>	29.92	
26 25 00 00-0017	LF		400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	575.28	30.09
			<i>For Up To 25, Add</i>	143.82	
			<i>For >25 To 50, Add</i>	86.29	
			<i>For >50 To 100, Add</i>	43.15	
26 25 00 00-0018	LF		600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	650.47	40.11
			<i>For Up To 25, Add</i>	162.62	
			<i>For >25 To 50, Add</i>	97.57	
			<i>For >50 To 100, Add</i>	48.79	
26 25 00 00-0019	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	826.51	40.11
			<i>For Up To 25, Add</i>	206.63	
			<i>For >25 To 50, Add</i>	123.98	
			<i>For >50 To 100, Add</i>	61.99	
26 25 00 00-0020	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,007.87	50.14
			<i>For Up To 25, Add</i>	251.97	
			<i>For >25 To 50, Add</i>	151.18	
			<i>For >50 To 100, Add</i>	75.59	
26 25 00 00-0021	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,304.98	50.14
			<i>For Up To 25, Add</i>	326.25	
			<i>For >25 To 50, Add</i>	195.75	
			<i>For >50 To 100, Add</i>	97.87	
26 25 00 00-0022	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,686.53	51.95
			<i>For Up To 25, Add</i>	421.63	
			<i>For >25 To 50, Add</i>	252.98	
			<i>For >50 To 100, Add</i>	126.49	
26 25 00 00-0023	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,030.43	54.15
			<i>For Up To 25, Add</i>	507.61	
			<i>For >25 To 50, Add</i>	304.56	
			<i>For >50 To 100, Add</i>	152.28	
26 25 00 00-0024	LF		2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,517.21	56.65
			<i>For Up To 25, Add</i>	629.30	
			<i>For >25 To 50, Add</i>	377.58	
			<i>For >50 To 100, Add</i>	188.79	
26 25 00 00-0025	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,905.84	66.68
			<i>For Up To 25, Add</i>	726.46	
			<i>For >25 To 50, Add</i>	435.88	
			<i>For >50 To 100, Add</i>	217.94	
26 25 00 00-0026	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,367.99	72.70
			<i>For Up To 25, Add</i>	842.00	
			<i>For >25 To 50, Add</i>	505.20	
			<i>For >50 To 100, Add</i>	252.60	
26 25 00 00-0027			Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029	EA		225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,005.10	140.39
26 25 00 00-0030	EA		400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,072.06	140.39
26 25 00 00-0031	EA		600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,239.93	190.53
26 25 00 00-0032	EA		800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,383.56	190.53
26 25 00 00-0033	EA		1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,556.17	250.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,800.52	250.70
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,072.06	275.77
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,251.43	275.77
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,405.55	376.06
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,703.03	376.06
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,842.86	501.41
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,234.17	501.41
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker (26 25 00 00-0002)		
26 25 00 00-0043 240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	903.63	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.86	
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,797.24	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.42	
26 25 00 00-0046 600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,745.36	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.86	
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,260.64	100.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.42	
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,040.57	120.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.68	
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,243.16	120.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.35	
26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,190.93	120.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.68	
26 25 00 00-0054 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,831.91	120.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.35	
26 25 00 00-0055 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,677.00	416.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.36	
26 25 00 00-0056 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,388.81	416.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.73	
26 25 00 00-0057 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,139.27	1,203.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.01	
26 25 00 00-0058 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,935.91	1,203.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	964.24	
26 25 00 00-0059 Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	901.56	100.29
26 25 00 00-0062 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	989.90	100.29
26 25 00 00-0063 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,368.34	120.33
26 25 00 00-0064 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,308.91	240.68
26 25 00 00-0065 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,835.54	541.52
26 25 00 00-0066 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,720.72	942.64
26 25 00 00-0067 600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	937.70	110.31
26 25 00 00-0069 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,023.79	110.31
26 25 00 00-0070 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,379.95	110.31
26 25 00 00-0071 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,366.25	230.65
26 25 00 00-0072 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,808.75	521.46
26 25 00 00-0073 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,910.65	1,002.81
26 25 00 00-0074 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	14,628.07	1,303.65
26 25 00 00-0075 120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,043.55	130.36
26 25 00 00-0077 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,120.07	130.36
26 25 00 00-0078 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,514.49	130.36
26 25 00 00-0079 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,567.58	270.76
26 25 00 00-0080 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,403.07	601.68
26 25 00 00-0081 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	9,318.18	922.59
26 25 00 00-0082 277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0083	EA		30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,078.12	130.36
26 25 00 00-0084	EA		60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,154.65	110.61
26 25 00 00-0085	EA		100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,616.07	150.42
26 25 00 00-0086	EA		200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,676.17	270.76
26 25 00 00-0087	EA		400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,403.07	601.68
26 25 00 00-0088	EA		600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	9,318.18	922.59
26 25 00 00-0089	EA		800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	14,762.20	1,223.43
26 25 00 00-0090			Feeder Bus Duct <small>(26 25 00 00-0090)</small> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers and hardware support.		
26 25 00 00-0091			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small> Note: Copper conductors.		
26 25 00 00-0092	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	724.51	42.12
			For Up To 25, Add	181.13	
			For >25 To 50, Add	108.68	
			For >50 To 100, Add	54.34	
26 25 00 00-0093	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	734.34	42.12
			For Up To 25, Add	183.59	
			For >25 To 50, Add	110.15	
			For >50 To 100, Add	55.08	
26 25 00 00-0094	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	961.18	42.12
			For Up To 25, Add	240.30	
			For >25 To 50, Add	144.18	
			For >50 To 100, Add	72.09	
26 25 00 00-0095	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,154.46	42.12
			For Up To 25, Add	288.62	
			For >25 To 50, Add	173.17	
			For >50 To 100, Add	86.58	
26 25 00 00-0096	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,411.12	42.12
			For Up To 25, Add	352.78	
			For >25 To 50, Add	211.67	
			For >50 To 100, Add	105.83	
26 25 00 00-0097	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,925.58	100.29
			For Up To 25, Add	481.40	
			For >25 To 50, Add	288.84	
			For >50 To 100, Add	144.42	
26 25 00 00-0098	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,661.79	100.29
			For Up To 25, Add	665.45	
			For >25 To 50, Add	399.27	
			For >50 To 100, Add	199.63	
26 25 00 00-0099	LF		5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,149.21	100.29
			For Up To 25, Add	787.30	
			For >25 To 50, Add	472.38	
			For >50 To 100, Add	236.19	
26 25 00 00-0100	LF		6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,879.20	100.29
			For Up To 25, Add	969.80	
			For >25 To 50, Add	581.88	
			For >50 To 100, Add	290.94	
26 25 00 00-0101			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small> Note: Low impedance, copper conductors.		
26 25 00 00-0102	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	830.75	45.12
			For Up To 25, Add	207.69	
			For >25 To 50, Add	124.61	
			For >50 To 100, Add	62.31	
26 25 00 00-0103	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	843.65	45.12
			For Up To 25, Add	210.91	
			For >25 To 50, Add	126.55	
			For >50 To 100, Add	63.27	
26 25 00 00-0104	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,085.76	45.12
			For Up To 25, Add	271.44	
			For >25 To 50, Add	162.86	
			For >50 To 100, Add	81.43	
26 25 00 00-0105	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,287.13	45.12
			For Up To 25, Add	321.78	
			For >25 To 50, Add	193.07	
			For >50 To 100, Add	96.53	
26 25 00 00-0106	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,554.92	45.12
			For Up To 25, Add	388.73	
			For >25 To 50, Add	233.24	
			For >50 To 100, Add	116.62	
26 25 00 00-0107	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,389.57	77.21
			For Up To 25, Add	597.39	
			For >25 To 50, Add	358.44	
			For >50 To 100, Add	179.22	
26 25 00 00-0108	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,997.07	77.21
			For Up To 25, Add	749.27	
			For >25 To 50, Add	449.56	
			For >50 To 100, Add	224.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0109 LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,546.16	143.41
<i>For Up To 25, Add</i>	886.54	
<i>For >25 To 50, Add</i>	531.92	
<i>For >50 To 100, Add</i>	265.96	
26 25 00 00-0110 LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,373.72	143.41
<i>For Up To 25, Add</i>	1,093.43	
<i>For >25 To 50, Add</i>	656.06	
<i>For >50 To 100, Add</i>	328.03	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center <small>(26 26)</small>		
Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 26 00 00-0002 EA PDU 15 KVA 480-208/120 (Liebert PPA01C)	11,415.44	401.12
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 (Liebert PPC015C)	11,042.90	401.12
26 26 00 00-0004 EA PDU 30 KVA 480-208/120 (Liebert PPA030C)	12,781.41	401.12
26 26 00 00-0005 EA PDU 30 KVA 208-208/120 (Liebert PPC030C)	13,216.04	401.12
26 26 00 00-0006 EA PDU 50 KVA 480-208/120 (Liebert PPA050C)	14,354.35	401.12
26 26 00 00-0007 EA PDU 50 KVA 208-208/120 (Liebert PPC050C)	14,962.42	401.12
26 26 00 00-0008 EA PDU 75 KVA 480-208/120 (Liebert PPA075C)	15,761.72	401.12
26 26 00 00-0009 EA PDU 75 KVA 208-208/120 (Liebert PPC075C)	17,127.69	401.12
26 26 00 00-0010 EA PDU 100 KVA 480-208/120 (Liebert PPA100C)	16,982.81	401.12
26 26 00 00-0011 EA PDU 100 KVA 208-208/120 (Liebert PPC100C)	18,535.06	401.12
26 26 00 00-0012 EA PDU 125 KVA 480-208/120 (Liebert PPA125C)	18,907.59	401.12
26 26 00 00-0013 EA PDU 125 KVA 208-208/120 (Liebert PPC125C)	20,646.10	401.12
26 26 00 00-0014 EA PDU 150 KVA 480-208/120 (Liebert PPA150C)	22,757.15	401.12
26 26 00 00-0015 EA PDU 150 KVA 208-208/120 (Liebert PPC150C)	23,688.50	401.12
26 26 00 00-0016 EA PDU 200 KVA 480-208/120 (Liebert PPA200C)	24,785.41	401.12
26 26 00 00-0017 EA PDU 225 KVA 480-208/120 (Liebert PPA225C)	26,068.60	401.12
26 26 00 00-0018 EA Ex Panelboard 10-30 KVA	941.87	100.29
26 26 00 00-0019 EA Ex Panelboard 50-125 KVA	1,336.99	100.29
26 26 00 00-0020 EA Ex Panelboard 150-220 KVA	2,917.45	100.29
26 26 00 00-0021 EA Remove And Reinstall, Power Distribution Unit	1,603.99	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0022 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,165.52	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	185.72	65.18
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	194.50	65.18
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	257.01	80.23
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	259.51	80.23
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	454.65	90.26
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	590.29	100.29
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,358.81	110.31
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,832.13	501.41

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	159.29	20.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.34	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	421.84	20.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	397.24	130.36
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26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	608.24	62.68
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	795.22	75.21
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	981.24	87.74
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,136.04	100.29
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,466.00	112.82
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,585.74	125.35
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,853.67	150.42

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,081.67	62.68
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,419.19	75.21
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,952.23	100.29
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,166.66	112.82
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,712.48	125.35
26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	925.38	87.74
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,204.21	100.29
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,466.00	112.82
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,718.30	125.35
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,150.51	137.89
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,260.81	150.42
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	2,793.82	175.49
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,396.90	87.74
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,819.65	100.29
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,551.52	125.35
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,737.55	137.89
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,482.19	150.42
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	667.39	75.21
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	864.78	87.74
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,061.24	100.29
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,229.29	112.82
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,500.53	125.35
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,620.28	137.89
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,992.35	162.96
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,144.61	75.21
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,501.07	87.74
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,157.19	112.82
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,371.62	125.35
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,860.67	137.89
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	984.56	100.29
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,267.18	112.82
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,557.36	125.35
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,809.68	137.89
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,260.85	150.42
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,371.09	162.96
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,942.03	188.03
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,469.34	100.29
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,920.50	112.82
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,737.58	137.89
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,866.79	150.42
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,620.92	162.96
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	608.24	62.68
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	795.22	75.21
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,136.04	100.29
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,466.00	112.82
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,803.51	125.35
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,081.66	62.68
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,419.18	75.21
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,046.89	100.29
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,261.34	112.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,712.48	125.35
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	925.38	87.74
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,204.21	100.29
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,718.30	125.35
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,150.51	137.89
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,260.81	150.42
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,396.92	87.74
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,819.65	100.29
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,551.52	125.35
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,737.55	137.89
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,482.23	150.42
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	667.39	75.21
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	864.78	87.74
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,229.29	112.82
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,595.21	125.35
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,809.65	137.89
26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,144.60	75.21
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,501.05	87.74
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,062.50	112.82
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,276.93	125.35
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,860.64	137.89
26 27 13 00-0112 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	984.54	100.29
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,267.16	112.82
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,809.65	137.89
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,260.81	150.42
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,371.09	162.96
26 27 13 00-0118 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,469.32	100.29
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,920.48	112.82
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,737.55	137.89
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,866.79	150.42
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,620.92	162.96
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	671.89	60.17
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,968.19	120.33
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,076.45	90.26
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,292.69	90.26
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,108.22	90.26
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	737.15	83.23
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	1,266.05	150.42
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure.....	3,398.64	601.78
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure.....	3,908.96	601.78
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,639.22	601.78
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,752.02	601.78
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,223.95	601.78
26 27 16 Electrical Cabinets And Enclosures <small>(26 27)</small>		
Note: Can be used as enclosure or pull/function boxes.		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0001			NEMA 1 Enclosures <small>(26 27 16)</small>		
26 27 16 00-0002			Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003			4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	61.38	20.06
26 27 16 00-0005	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	68.66	22.06
26 27 16 00-0006	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.02	24.06
26 27 16 00-0007	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	88.74	28.08
26 27 16 00-0008	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	96.46	30.09
26 27 16 00-0009	EA		10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	104.70	32.09
26 27 16 00-0010	EA		12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	104.44	32.09
26 27 16 00-0011	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	112.84	34.09
26 27 16 00-0012	EA		12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	121.64	36.10
26 27 16 00-0013	EA		16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	158.25	48.14
26 27 16 00-0014	EA		16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	191.88	58.17
26 27 16 00-0015	EA		18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	182.64	56.15
26 27 16 00-0016			6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.52	24.06
26 27 16 00-0018	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.46	28.08
26 27 16 00-0019	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	110.60	34.09
26 27 16 00-0020	EA		10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	119.20	36.10
26 27 16 00-0021	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	127.96	38.11
26 27 16 00-0022	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	137.09	40.11
26 27 16 00-0023	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	174.54	52.15
26 27 16 00-0024	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	211.99	64.18
26 27 16 00-0025	EA		18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	204.55	62.18
26 27 16 00-0026	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	266.09	80.23
26 27 16 00-0027	EA		24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	337.32	92.26
26 27 16 00-0028	EA		24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	383.43	100.29
26 27 16 00-0029	EA		30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	424.75	106.30
26 27 16 00-0030	EA		36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	461.06	110.31
26 27 16 00-0031			Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032			3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033	EA		4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	44.22	14.04
26 27 16 00-0034	EA		6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	63.22	20.06
26 27 16 00-0035	EA		8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	70.55	22.06
26 27 16 00-0036			4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0037	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	49.41	16.05
26 27 16 00-0038	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	61.24	20.06
26 27 16 00-0039	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	68.44	22.06
26 27 16 00-0040	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	75.78	24.06
26 27 16 00-0041	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	88.42	28.08
26 27 16 00-0042	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.11	30.09
26 27 16 00-0043	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.21	32.09
26 27 16 00-0044	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	103.90	32.09
26 27 16 00-0045	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	112.35	34.09
26 27 16 00-0046	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	121.07	36.10
26 27 16 00-0047	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	158.25	48.14
26 27 16 00-0048	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.04	60.17
26 27 16 00-0049	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	181.86	56.15
26 27 16 00-0050	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	235.63	72.20
26 27 16 00-0051	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	341.87	90.26
26 27 16 00-0052			6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0053	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	76.22	24.06
26 27 16 00-0054	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	84.13	26.07
26 27 16 00-0055	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.97	30.09
26 27 16 00-0056	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.10	34.09
26 27 16 00-0057	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.68	36.10
26 27 16 00-0058	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	127.36	38.11
26 27 16 00-0059	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.40	40.11
26 27 16 00-0060	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	174.54	52.15
26 27 16 00-0061	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	214.44	64.18
26 27 16 00-0062	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	203.67	62.18
26 27 16 00-0063	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	264.89	80.23
26 27 16 00-0064	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	331.77	92.26
26 27 16 00-0065	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	380.88	100.29
26 27 16 00-0066	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	411.46	106.30
26 27 16 00-0067	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	450.78	110.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.10	34.09
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	150.48	44.12
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	191.28	56.15
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	237.36	70.20
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	226.73	68.20
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	280.90	84.24
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	312.99	96.27
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	364.13	102.29
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	420.03	110.31
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	447.06	116.33
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	469.90	120.33
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	482.72	120.33
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	257.45	76.21
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	339.07	98.27
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	342.65	104.29
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	447.25	112.32
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	515.30	124.35
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	573.00	128.36
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	611.55	134.38
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	374.37	108.30
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	372.10	114.32
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	491.65	124.35
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	562.40	136.38
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	632.34	142.40
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	667.16	148.41
26 27 16 00-0096 NEMA 12 Enclosures <small>(26 27 16)</small>		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	82.62	16.05
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	108.02	22.06
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	133.94	28.08
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	144.89	30.09
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	162.03	32.09
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	174.36	34.09
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	119.78	24.06
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	131.80	26.07
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	87.76	16.05
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	109.91	22.06
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	122.84	24.06
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	141.44	28.08
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	147.46	30.09
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	168.49	32.09
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	180.31	34.09
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	200.75	36.10
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	129.22	24.06
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	144.21	26.07
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	159.93	30.09
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	190.02	36.10
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	207.86	40.11
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	282.77	52.15
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	437.24	80.23
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	551.61	92.26
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	615.76	100.29
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	585.19	102.29

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	661.93	110.31
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	719.51	116.33
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	780.25	120.33
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	772.24	120.33
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,049.42	162.96
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,090.31	180.50
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,379.33	193.04
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,761.71	240.68
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	3,103.61	283.79
26 27 16 00-0142 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0143 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,349.85	283.79
26 27 16 00-0144 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,599.07	300.85
26 27 16 00-0145 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,924.65	320.90
26 27 16 00-0146 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	3,183.61	320.90
26 27 16 00-0147 NEMA 3 Enclosures <small>(26 27 16)</small>		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0148 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	237.73	70.20
26 27 16 00-0150 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	253.13	70.20
26 27 16 00-0152 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	316.47	72.70
26 27 16 00-0153 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	326.95	72.70
26 27 16 00-0154 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	404.11	75.21
26 27 16 00-0155 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	313.63	72.70
26 27 16 00-0157 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	341.04	72.70
26 27 16 00-0158 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	355.26	75.21
26 27 16 00-0159 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	439.45	75.21
26 27 16 00-0160 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	482.07	80.23
26 27 16 00-0161 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	518.45	85.24
26 27 16 00-0162 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	538.47	85.24
26 27 16 00-0163 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	634.75	87.74
26 27 16 00-0164 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	686.59	90.26
26 27 16 00-0165 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	930.50	100.29
26 27 16 00-0166 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0167 EA 6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	463.42	77.71
26 27 16 00-0168 EA 8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	579.84	87.74
26 27 16 00-0169 EA 8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	674.28	90.26
26 27 16 00-0170 EA 10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	772.51	92.76
26 27 16 00-0171 EA 10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	819.73	92.76
26 27 16 00-0172 EA 12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	930.25	100.29
26 27 16 00-0173 EA 12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,074.76	112.82
26 27 16 00-0174 EA 16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,013.34	107.80
26 27 16 00-0175 EA 18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,966.49	200.56
26 27 16 00-0176 EA 18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,367.89	250.70
26 27 16 00-0177 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0178 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	828.12	95.27
26 27 16 00-0179 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,238.11	125.35
26 27 16 00-0180 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,257.40	125.35
26 27 16 00-0181 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,710.84	188.03
26 27 16 00-0182 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,234.40	200.56
26 27 16 00-0183 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,606.50	350.99



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0184		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,972.60	250.70
26 27 16 00-0186		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,537.77	300.85
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,743.24	275.77
26 27 16 00-0189		NEMA 3R Enclosures <small>(26 27 16)</small> Note: Rain-tight enclosures.		
26 27 16 00-0190		Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0191		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	72.09	20.06
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	79.52	22.06
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	105.28	22.06
26 27 16 00-0195		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	138.66	30.09
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	155.36	34.09
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	180.66	38.11
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	194.37	40.11
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	252.98	52.15
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	304.10	64.18
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	353.31	80.23
26 27 16 00-0203		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0204	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	519.74	102.29
26 27 16 00-0205	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	573.72	110.31
26 27 16 00-0206	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	639.08	116.33
26 27 16 00-0207	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	670.45	120.33
26 27 16 00-0208		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0209	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	642.34	124.35
26 27 16 00-0210	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	725.54	140.39
26 27 16 00-0211	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	803.41	155.44
26 27 16 00-0212	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	884.61	171.48
26 27 16 00-0213	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	963.49	186.52
26 27 16 00-0214	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	433.08	98.27
26 27 16 00-0215	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	642.34	124.35
26 27 16 00-0216	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	744.28	128.36
26 27 16 00-0217	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	923.14	140.39
26 27 16 00-0218		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0219	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	604.49	99.27
26 27 16 00-0220	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	678.18	111.32
26 27 16 00-0221	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	750.85	123.35
26 27 16 00-0222	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	829.87	136.38
26 27 16 00-0223	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	903.56	148.41
26 27 16 00-0224	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	451.78	74.21
26 27 16 00-0225	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	604.49	99.27
26 27 16 00-0226	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	678.18	111.32
26 27 16 00-0227	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	793.53	130.36
26 27 16 00-0228	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	903.56	148.41
26 27 16 00-0229	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	863.39	146.41
26 27 16 00-0230	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	903.56	148.41
26 27 16 00-0231	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	948.41	152.43
26 27 16 00-0232	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,048.41	160.45
26 27 16 00-0233	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,132.31	168.47
26 27 16 00-0234		Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0235		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0236	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	57.27	16.05
26 27 16 00-0237	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	69.46	20.06
26 27 16 00-0238	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	76.66	22.06
26 27 16 00-0239	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	84.88	24.06
26 27 16 00-0240	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.61	28.08
26 27 16 00-0241	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	107.30	30.09
26 27 16 00-0242	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.70	32.09
26 27 16 00-0243	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.23	32.09
26 27 16 00-0244	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	126.71	34.09

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0245	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	136.11	36.10
26 27 16 00-0246	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	206.16	56.15
26 27 16 00-0247	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	274.10	72.20
26 27 16 00-0248			6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0249	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	80.19	24.06
26 27 16 00-0250	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	108.57	30.09
26 27 16 00-0251	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	122.99	34.09
26 27 16 00-0252	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	133.04	36.10
26 27 16 00-0253	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	132.35	36.10
26 27 16 00-0254	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	142.95	38.11
26 27 16 00-0255	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	153.65	40.11
26 27 16 00-0256	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	200.45	52.15
26 27 16 00-0257	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	231.45	62.18
26 27 16 00-0258	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	307.96	80.23
26 27 16 00-0259	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	322.28	86.24
26 27 16 00-0260	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	366.38	92.26
26 27 16 00-0261	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	411.54	100.29
26 27 16 00-0262			8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0263	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	171.73	44.12
26 27 16 00-0264	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	250.06	68.20
26 27 16 00-0265	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	340.58	88.24
26 27 16 00-0266	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	405.46	102.29
26 27 16 00-0267	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	457.06	110.31
26 27 16 00-0268	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	505.84	116.33
26 27 16 00-0269			10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0270	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	376.01	98.27
26 27 16 00-0271	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	503.56	124.35
26 27 16 00-0272	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	549.93	128.36
26 27 16 00-0273			12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0274	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	555.98	136.38
26 27 16 00-0275	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	761.42	148.41
26 27 16 00-0276	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	786.63	152.43
26 27 16 00-0277	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	914.45	160.45
26 27 16 00-0278			NEMA 4 Enclosures (26 27 16)		
			Note: Water-tight enclosures.		
26 27 16 00-0279			Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0278)		
26 27 16 00-0280	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	93.35	14.04
26 27 16 00-0281	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	109.01	17.05
26 27 16 00-0282	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	136.32	22.06
26 27 16 00-0283	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	129.70	22.06
26 27 16 00-0284	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	173.35	30.09
26 27 16 00-0285	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	215.98	36.10
26 27 16 00-0286	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	199.51	34.09
26 27 16 00-0287	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	232.60	40.11
26 27 16 00-0288	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	273.68	46.13
26 27 16 00-0289	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	331.74	58.17
26 27 16 00-0290			Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0278)		
26 27 16 00-0291	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	85.66	14.04
26 27 16 00-0292	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	122.03	22.06
26 27 16 00-0293			Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0278)		
26 27 16 00-0294	EA		6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	107.57	19.26
26 27 16 00-0295	EA		8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	114.27	20.86
26 27 16 00-0296	EA		10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	140.27	27.28
26 27 16 00-0297	EA		12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	164.00	30.09
26 27 16 00-0298	EA		14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	212.10	38.11
26 27 16 00-0299	EA		16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	247.94	45.12
26 27 16 00-0300	EA		18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	349.05	72.20
26 27 16 00-0301			NEMA 4X Enclosures (26 27 16)		
			Note: Water-tight enclosures.		
26 27 16 00-0302			Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0301)		
26 27 16 00-0303	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	185.99	16.05
26 27 16 00-0304	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	219.22	22.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0305 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	277.85	30.09
26 27 16 00-0306 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	337.32	36.10
26 27 16 00-0307 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	415.84	46.13
26 27 16 00-0308 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	491.01	58.17
26 27 16 00-0309 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
26 27 16 00-0310 EA 4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	167.40	14.04
<i>For 316L Stainless Steel, Add</i>	35.72	
26 27 16 00-0311 EA 6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	219.44	20.06
<i>For 316L Stainless Steel, Add</i>	45.71	
26 27 16 00-0312 EA 6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	248.02	22.06
<i>For 316L Stainless Steel, Add</i>	52.07	
26 27 16 00-0313 EA 8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	282.75	24.06
<i>For 316L Stainless Steel, Add</i>	60.10	
26 27 16 00-0314 EA 10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	347.76	30.09
<i>For 316L Stainless Steel, Add</i>	73.59	
26 27 16 00-0315 EA 12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	485.15	38.11
<i>For 316L Stainless Steel, Add</i>	105.27	
26 27 16 00-0316 EA 14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	603.50	46.13
<i>For 316L Stainless Steel, Add</i>	131.81	
26 27 16 00-0317 EA 16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	729.98	58.17
<i>For 316L Stainless Steel, Add</i>	157.83	
26 27 16 00-0318 Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
<small>Note: NEMA 3R, 4, 4X and 12 rated.</small>		
26 27 16 00-0319 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	96.36	22.06
26 27 16 00-0320 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	107.89	24.06
26 27 16 00-0321 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	123.88	28.08
26 27 16 00-0322 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	134.32	30.09
26 27 16 00-0323 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	154.64	34.09
26 27 16 00-0324 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	147.05	34.09
26 27 16 00-0325 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	170.07	38.11
26 27 16 00-0326 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	211.84	46.13
26 27 16 00-0327 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	273.98	63.18
26 27 16 00-0328 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	360.49	90.96
26 27 16 00-0329 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	102.33	22.06
26 27 16 00-0330 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	114.94	24.06
26 27 16 00-0331 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	131.48	28.08
26 27 16 00-0332 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	143.53	30.09
26 27 16 00-0333 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	164.40	34.09
26 27 16 00-0334 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	156.28	34.09
26 27 16 00-0335 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	182.57	38.11
26 27 16 00-0336 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	218.34	46.13
26 27 16 00-0337 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	287.54	63.18
26 27 16 00-0338 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	375.12	90.96
26 27 16 00-0339 Hinged Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
<small>Note: NEMA 3R, 4, 4X and 12 rated.</small>		
26 27 16 00-0340 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	113.17	22.06
26 27 16 00-0341 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	121.45	24.06
26 27 16 00-0342 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	138.52	28.08
26 27 16 00-0343 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	149.50	30.09
26 27 16 00-0344 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	175.80	34.09
26 27 16 00-0345 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	163.87	34.09
26 27 16 00-0346 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	198.29	38.11
26 27 16 00-0347 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	236.24	46.13
26 27 16 00-0348 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	295.13	63.18
26 27 16 00-0349 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	388.14	90.96
26 27 16 00-0350 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	117.51	22.06
26 27 16 00-0351 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	129.57	24.06
26 27 16 00-0352 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	146.11	28.08
26 27 16 00-0353 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	157.63	30.09
26 27 16 00-0354 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	186.64	34.09
26 27 16 00-0355 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	173.08	34.09
26 27 16 00-0356 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	209.68	38.11
26 27 16 00-0357 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	241.66	46.13
26 27 16 00-0358 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	313.01	63.18
26 27 16 00-0359 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	407.12	90.96
26 27 16 00-0360 NEMA 7/9 Enclosures <small>(26 27 16)</small>		
<small>Note: Nominal inside dimensions.</small>		
26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0362 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	976.55	112.82
<i>For Mounting Pan, Add</i>	39.75	
26 27 16 00-0363 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	790.05	120.33
<i>For Mounting Pan, Add</i>	74.07	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,506.96 102.13	135.38
26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0366 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,345.65 51.93	135.38
26 27 16 00-0367 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,739.50 102.13	139.14
26 27 16 00-0368 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,782.86 78.13	150.42
26 27 16 00-0369 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,828.20 91.41	150.42
26 27 16 00-0370 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,575.60 119.92	188.03
26 27 16 00-0371 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,425.08 74.88	169.22
26 27 16 00-0372 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,513.52 112.04	188.03
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,900.64 150.73	338.45
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,080.95 146.76	225.64
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,073.29 134.74	376.06
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,853.97 219.04	376.06
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,078.52 78.13	169.22
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,092.62 91.41	169.22
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,360.98 119.92	169.22
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,616.36 74.88	188.03
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,827.95 112.04	338.45
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,658.79 150.73	413.66
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,256.14 226.69	488.87
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,210.59 146.76	413.66
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,321.03 134.74	413.66
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,375.60 201.96	451.26
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	5,281.39 219.04	413.66
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,016.58 320.30	451.26
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,969.69 427.00	451.26
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	10,783.45 533.67	601.68
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,218.79 496.22	488.87
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	14,840.19 679.32	752.11
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,540.24 226.69	488.87
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,941.46 201.96	451.26
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,561.38 320.30	488.87
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	9,517.31 533.67	526.47
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,444.29 496.22	526.47
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	16,141.67 679.32	752.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,760.12 150.73	413.66
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small> See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	338.11	80.23
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	630.45	80.23
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,565.75	110.31
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,126.31	120.33
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,546.33	120.33
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	535.53	110.31
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	542.09	110.31
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	1,010.23	110.31
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,481.47	140.39
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	827.85	140.39
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	842.61	220.62
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,997.00	220.62
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,894.23	280.79
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,410.31	280.79
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,651.76	421.18
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,871.88	421.18
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	10,600.45	541.52
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,705.87	541.52
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	2,026.82	421.18
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,465.02	421.18
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	7,191.07	541.52
26 27 16 00-0430 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	12.39	5.01
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	14.40	5.01
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small> Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	230.37	44.46
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	248.74	44.46
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	270.00	44.46
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small> Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	49.58	9.17
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles	41.39	9.17
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	46.39	9.17
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices	35.31	9.17
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting	29.72	9.17
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	293.38	44.46
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	332.87	44.46
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	354.19	44.46
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	32.84	9.17
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	29.89	9.17
26 27 23 00-0022 EA Add-On Cover Plate For Data And AV Modular Devices	32.00	9.17
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	377.07	44.46
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	424.60	44.46
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	455.94	44.46
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	32.84	9.17
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	29.89	9.17
26 27 23 00-0031 EA Add-On Cover Plate For Data And AV Modular Devices	32.00	9.17
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	305.75	44.46
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	338.98	44.46
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	376.24	44.46
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	48.33	9.17
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles	49.27	9.17
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	52.39	9.17
26 27 23 00-0042 EA Add-On Cover Plate For Data And AV Modular Devices	37.06	9.17
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting	29.72	9.17
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	295.37	44.46
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	329.45	44.46
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	369.61	44.46
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	598.98	44.46
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	682.58	44.46
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	776.21	44.46
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	333.46	44.46
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	316.62	44.46
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	400.70	44.46
26 27 26 Wiring Devices (26 27)		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002) Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	78.06	35.60
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	83.53	38.11
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	100.13	45.62
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	111.09	50.64
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly.....	84.30	35.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009 EA 1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	90.11	38.11
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	21.76	10.03
26 27 26 00-0012 EA 15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	21.40	10.03
26 27 26 00-0013 EA 15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	23.55	10.03
26 27 26 00-0014 EA 15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	24.79	10.03
26 27 26 00-0015 EA 15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	31.38	12.53
26 27 26 00-0016 EA 15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	35.46	12.53
26 27 26 00-0017 EA 20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	22.24	10.03
26 27 26 00-0018 EA 20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	21.86	10.03
26 27 26 00-0019 EA 20 Amp, Single Receptacle, 120/277 Volt	27.46	10.03
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt	24.40	10.03
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	31.38	12.53
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	35.46	12.53
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	48.55	12.53
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	48.55	12.53
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt	45.17	15.04
26 27 26 00-0026 Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027 Specialty <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028 EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	44.35	17.55
26 27 26 00-0029 EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	44.35	17.55
26 27 26 00-0030 EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	55.93	17.55
26 27 26 00-0031 EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	58.57	17.55
26 27 26 00-0032 EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	63.59	20.06
26 27 26 00-0033 EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	60.19	20.06
26 27 26 00-0034 EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	59.24	20.06
26 27 26 00-0035 EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	54.31	20.06
26 27 26 00-0036 EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	66.80	20.06
26 27 26 00-0037 EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	68.80	20.06
26 27 26 00-0038 EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	73.81	22.56
26 27 26 00-0039 EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	81.44	25.07
26 27 26 00-0040 EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	91.47	30.09
26 27 26 00-0041 EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	819.67	235.66
26 27 26 00-0042 EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,730.51	288.31
26 27 26 00-0043 EA 30 Amp, Dryer Receptacle, 230 Volt	52.08	20.06
26 27 26 00-0044 EA 60 Amp, Range Receptacle, 230 Volt	76.94	30.09
26 27 26 00-0045 EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	42.89	12.53
26 27 26 00-0046 EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	916.03	305.56
26 27 26 00-0047 Isolated Ground Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0048 EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	54.92	10.03
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	38.25	12.53
26 27 26 00-0050 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	38.16	12.53
26 27 26 00-0051 EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	55.55	20.06
26 27 26 00-0052 EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles	41.39	12.53
26 27 26 00-0053 EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles	38.95	12.53
26 27 26 00-0054 EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	51.61	15.04
26 27 26 00-0055 EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	44.00	15.04
26 27 26 00-0056 EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	52.51	15.04
26 27 26 00-0057 EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	60.81	15.04
26 27 26 00-0058 EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles	64.98	20.06
26 27 26 00-0059 Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	450.48	25.07
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	425.09	27.58
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	700.07	50.14
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	870.79	50.14
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,111.86	75.21
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,078.07	75.21
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067 EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	25.13	12.53
26 27 26 00-0068 EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.47	15.04
26 27 26 00-0069 Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0070 EA Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	46.81	12.53
26 27 26 00-0071 EA Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	48.10	12.53
26 27 26 00-0072 EA Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	39.35	15.04
26 27 26 00-0073 EA Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles	39.40	15.04
26 27 26 00-0074 EA Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles	41.32	15.04

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0075 EA Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles.....	45.77	15.04
26 27 26 00-0076 EA Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles.....	43.12	15.04
26 27 26 00-0077 EA Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles.....	43.79	15.04
26 27 26 00-0078 EA Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles.....	50.71	20.06
26 27 26 00-0079 EA Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles.....	51.32	20.06
26 27 26 00-0080 EA Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase.....	57.78	20.06
26 27 26 00-0081 Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0082 EA 15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	36.59	10.03
26 27 26 00-0083 EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	39.17	10.03
26 27 26 00-0084 EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	44.05	10.03
26 27 26 00-0085 EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	39.54	10.03
26 27 26 00-0086 EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	44.59	10.03
26 27 26 00-0087 EA 20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle.....	48.50	10.03
26 27 26 00-0088 EA 120 Volt Transient Voltage Surge Suppressor Receptacle.....	99.47	30.09
Note: Hospital grade receptacle.		
26 27 26 00-0099 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0100 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	184.79	50.14
26 27 26 00-0101 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	184.44	50.14
26 27 26 00-0102 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	191.03	50.14
26 27 26 00-0103 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	229.00	55.15
26 27 26 00-0104 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	229.55	55.15
26 27 26 00-0105 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	228.28	55.15
26 27 26 00-0106 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	270.63	61.67
26 27 26 00-0107 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	259.91	61.67
26 27 26 00-0108 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	276.69	61.67
26 27 26 00-0109 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	283.11	67.69
26 27 26 00-0110 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	282.90	67.69
26 27 26 00-0111 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	284.42	67.69
26 27 26 00-0112 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	388.18	80.23
26 27 26 00-0113 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	375.20	80.23
26 27 26 00-0114 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	383.65	80.23
26 27 26 00-0115 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	427.18	89.26
26 27 26 00-0116 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	427.43	89.26
26 27 26 00-0117 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	427.68	89.26
26 27 26 00-0118 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	476.10	100.29
26 27 26 00-0119 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	492.74	100.29
26 27 26 00-0120 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	531.75	110.31
26 27 26 00-0121 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	530.50	110.31
26 27 26 00-0122 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	532.85	110.31
26 27 26 00-0123 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0124 EA 15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	41.83	10.03
26 27 26 00-0125 EA 15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	76.52	12.53
26 27 26 00-0126 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0127 EA 15 Amp, 125 Volt Duplex Tamper Resistant Receptacle.....	22.98	10.03
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0128 EA 20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle.....	24.48	10.03
Note: Pass & Seymour TR20.		
26 27 26 00-0129 EA 15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	28.78	10.03
Note: Pass & Seymour TR5251.		
26 27 26 00-0130 EA 20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	30.80	10.03
Note: Pass & Seymour TR5351.		
26 27 26 00-0131 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	42.94	10.03
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0132 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	45.83	10.03
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0133 EA 20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	48.59	10.03
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0134 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0135 EA TV Receptacle With Cover (Type F) - Complete.....	55.64	23.26
26 27 26 00-0136 Switches (26 27 26)		
26 27 26 00-0137 Switches (26 27 26 00-0136)		
26 27 26 00-0138 Switch Assemblies (26 27 26 00-0137)		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0139 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	79.07	35.09
26 27 26 00-0140 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	85.30	38.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0141 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	104.65	45.87
26 27 26 00-0142 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	115.13	50.89
26 27 26 00-0143 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	179.64	78.73
26 27 26 00-0144 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	195.36	86.24
26 27 26 00-0145 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	204.91	89.00
26 27 26 00-0146 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	225.87	99.02
26 27 26 00-0147 Switch Components <small>(26 27 26 00-0137)</small>		
26 27 26 00-0148 EA 15 Amp, 120/277 Volt, SPST Switch	23.41	10.03
26 27 26 00-0149 EA 15 Amp, 120/277 Volt, 3-Way Switch	29.47	12.53
26 27 26 00-0150 EA 15 Amp, 120/277 Volt, 4-Way Switch	52.87	20.06
26 27 26 00-0151 EA 15 Amp, 120/277 Volt, DPST Switch	25.36	10.03
26 27 26 00-0152 EA 15 Amp, 120/277 Volt, Thermal Switch.....	41.71	12.53
26 27 26 00-0153 EA 20 Amp, 120/277 Volt, SPST Switch	28.64	12.53
26 27 26 00-0154 EA 20 Amp, 120/277 Volt, 3-Way Switch	34.98	15.04
26 27 26 00-0155 EA 20 Amp, 120/277 Volt, 4-Way Switch	64.46	20.06
26 27 26 00-0156 EA 20 Amp, 120/277 Volt, DPST Switch	31.76	12.53
26 27 26 00-0157 EA 20 Amp, 120/277 Volt, DPDT Switch.....	33.15	12.53
26 27 26 00-0158 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	48.35	12.55
26 27 26 00-0159 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	59.77	12.55
26 27 26 00-0160 EA Momentary Contact Switch With Separate Neon Pilot.....	47.59	15.06
<small>Note: Neon Pilot is 125 V, 1 / 125W.</small>		
26 27 26 00-0161 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	42.03	17.55
<small>Note: Or 250 VAC 10 Amp, double throw BAT handle.</small>		
26 27 26 00-0162 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	50.21	20.06
<small>Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.</small>		
26 27 26 00-0163 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	64.48	20.06
<small>Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.</small>		
26 27 26 00-0164 EA 30 Amp, 120/277 Volt, Single Pole Local Switch	51.26	20.08
26 27 26 00-0165 EA 30 Amp, 120/277 Volt, Double Pole Local Switch.....	61.53	20.08
26 27 26 00-0166 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	65.80	25.10
26 27 26 00-0167 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	89.24	27.62
26 27 26 00-0168 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	49.72	16.42
26 27 26 00-0169 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot.....	65.37	16.42
<small>Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.</small>		
26 27 26 00-0170 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	58.63	16.42
26 27 26 00-0171 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	56.30	16.42
26 27 26 00-0172 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	55.16	8.14
26 27 26 00-0173 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	58.31	8.14
26 27 26 00-0174 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	67.13	31.33
26 27 26 00-0175 EA Momentary Contact Switch, Three Position, Center Off, Key Operated	78.55	31.33
<small>Note: 15A, 120/277 V, Single Pole</small>		
26 27 26 00-0176 Specialty Switches <small>(26 27 26 00-0136)</small>		
26 27 26 00-0177 Dimmers With SPST Switch <small>(26 27 26 00-0176)</small>		
26 27 26 00-0178 EA 600 Watt Dimmers With SPST Switch	52.36	22.56
26 27 26 00-0179 EA 1,000 Watt Dimmers With SPST Switch	74.94	22.56
26 27 26 00-0180 EA 1,500 Watt Dimmers With SPST Switch	130.96	36.30
26 27 26 00-0181 EA 2,000 Watt Dimmers With SPST Switch	159.77	36.30
26 27 26 00-0182 EA 600 Watt Fluorescent Dimmer Switch.....	95.03	26.78
26 27 26 00-0183 EA 1,000 Watt Fluorescent Dimmer Switch.....	119.83	26.78
26 27 26 00-0184 EA 1,500 Watt Fluorescent Dimmer Switch.....	209.40	40.41
26 27 26 00-0185 EA Remote Speed Switch For Paddle Fan.....	82.74	33.39
26 27 26 00-0186 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	131.58	49.84
26 27 26 00-0187 Time Switches <small>(26 27 26 00-0176)</small>		
26 27 26 00-0188 EA 40 Amp, SPST, 125 Volt, Standard Time Switch.....	86.25	30.09
26 27 26 00-0189 EA 40 Amp, SPST, 277 Volt, Standard Time Switch	87.56	30.09
26 27 26 00-0190 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	86.25	30.09
26 27 26 00-0191 EA 40 Amp, DPST, 277 Volt, Standard Time Switch	87.56	30.09
26 27 26 00-0192 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch	94.95	30.09
26 27 26 00-0193 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	94.95	30.09
26 27 26 00-0194 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	146.25	30.09
26 27 26 00-0195 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	146.25	30.09
26 27 26 00-0196 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch	129.79	30.09
26 27 26 00-0197 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch	139.84	30.09
26 27 26 00-0198 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	139.84	30.09
26 27 26 00-0199 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	163.59	30.09
26 27 26 00-0200 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	167.59	30.09
26 27 26 00-0201 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	86.25	30.09
26 27 26 00-0202 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	87.56	30.09
26 27 26 00-0203 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	86.25	30.09
26 27 26 00-0204 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	87.56	30.09
26 27 26 00-0205 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	94.95	30.09
26 27 26 00-0206 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof.....	94.95	30.09
26 27 26 00-0207 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	146.25	30.09
26 27 26 00-0208 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	146.25	30.09

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0209 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	163.59	30.09
26 27 26 00-0210 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	167.59	30.09
26 27 26 00-0211 Low Voltage Switching (26 27 26 00-0176)		
26 27 26 00-0212 EA 36 Pin Male Or Female Connector.....	104.39	10.03
26 27 26 00-0213 Other Switches (26 27 26 00-0176)		
26 27 26 00-0214 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	31.71	15.04
26 27 26 00-0215 EA Locking Switch, SPST Concealed Devices.....	91.41	40.11
26 27 26 00-0216 EA Locking Switch, 3-Way Concealed Devices.....	92.14	40.11
26 27 26 00-0217 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	94.91	37.51
26 27 26 00-0218 EA 15 Amp Momentary Contact Switch.....	92.06	37.51
26 27 26 00-0219 EA 20 Amp Momentary Contact Switch.....	95.06	37.51
26 27 26 00-0220 EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	98.73	45.19
26 27 26 00-0221 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	99.56	45.19
26 27 26 00-0222 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	122.15	55.23
26 27 26 00-0223 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	111.06	50.21
26 27 26 00-0224 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	111.27	50.21
26 27 26 00-0225 Plates And Covers (26 27 26)		
26 27 26 00-0226 Wall Plates (26 27 26 00-0225)		
26 27 26 00-0227 Nylon Wall Plates (26 27 26 00-0226)		
26 27 26 00-0228 EA 1 Gang Nylon Switch Plate.....	1.37	0.50
26 27 26 00-0229 EA 2 Gang Nylon Switch Plate.....	2.25	0.75
26 27 26 00-0230 EA 3 Gang Nylon Switch Plate.....	3.16	1.00
26 27 26 00-0231 EA 4 Gang Nylon Switch Plate.....	4.41	1.25
26 27 26 00-0232 EA 1 Gang Duplex Nylon Wall Plate.....	1.38	0.50
26 27 26 00-0233 EA 2 Gang Duplex Nylon Wall Plate.....	2.29	0.75
26 27 26 00-0234 Plastic Wall Plates (26 27 26 00-0226)		
26 27 26 00-0235 EA 1 Gang Plastic Switch Plate.....	1.30	0.50
26 27 26 00-0236 EA 2 Gang Plastic Switch Plate.....	2.10	0.75
26 27 26 00-0237 EA 3 Gang Plastic Switch Plate.....	2.92	1.00
26 27 26 00-0238 EA 4 Gang Plastic Switch Plate.....	4.41	1.25
26 27 26 00-0239 EA 1 Gang Duplex Plastic Wall Plate.....	1.30	0.50
26 27 26 00-0240 EA 2 Gang Duplex Plastic Wall Plate.....	2.11	0.75
26 27 26 00-0241 Brass Wall Plates (26 27 26 00-0226)		
26 27 26 00-0242 EA 1 Gang 0.04" Brass Switch Plate.....	11.56	2.26
26 27 26 00-0243 EA 2 Gang 0.04" Brass Switch Plate.....	20.51	2.61
26 27 26 00-0244 EA 3 Gang 0.04" Brass Switch Plate.....	29.37	2.91
26 27 26 00-0245 EA 4 Gang 0.04" Brass Switch Plate.....	44.71	3.16
26 27 26 00-0246 EA 5 Gang 0.04" Brass Switch Plate.....	54.10	3.36
26 27 26 00-0247 EA 6 Gang 0.04" Brass Switch Plate.....	62.35	3.51
26 27 26 00-0248 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	11.56	2.26
26 27 26 00-0249 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	23.72	2.61
26 27 26 00-0250 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	33.60	2.91
26 27 26 00-0251 Stainless Steel Wall Plates (26 27 26 00-0226)		
26 27 26 00-0252 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	6.92	2.26
26 27 26 00-0253 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	10.39	2.61
26 27 26 00-0254 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	14.00	2.91
26 27 26 00-0255 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	19.75	3.16
26 27 26 00-0256 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	23.00	3.36
26 27 26 00-0257 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	27.42	3.51
26 27 26 00-0258 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	7.43	2.26
26 27 26 00-0259 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	11.59	2.61
26 27 26 00-0260 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	17.97	2.91
26 27 26 00-0261 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	21.47	3.16
26 27 26 00-0262 Chrome Wall Plates (26 27 26 00-0226)		
26 27 26 00-0263 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	21.53	2.26
26 27 26 00-0264 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	39.19	2.61
26 27 26 00-0265 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	56.80	2.91
26 27 26 00-0266 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	21.51	2.26
26 27 26 00-0267 Weatherproof Covers (26 27 26 00-0225)		
26 27 26 00-0268 Stamped Metallic Weatherproof Covers (26 27 26 00-0267)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0269 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.36	0.50



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0270 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	9.04	0.50
26 27 26 00-0271 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	9.04	0.50
26 27 26 00-0272 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	9.04	0.50
26 27 26 00-0273 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	11.14	0.75
26 27 26 00-0274 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.61	0.75
26 27 26 00-0275 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.76	0.75
26 27 26 00-0276 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	12.76	0.75
26 27 26 00-0277 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	17.24	0.75
26 27 26 00-0278 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	16.45	1.00
26 27 26 00-0279 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	17.95	1.00
26 27 26 00-0280 Cast Metallic Weatherproof Covers (26 27 26 00-0267)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0281 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.19	0.50
26 27 26 00-0282 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	32.13	0.50
26 27 26 00-0283 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	36.01	0.50
26 27 26 00-0284 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	10.12	0.50
26 27 26 00-0285 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	27.27	0.50
26 27 26 00-0286 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	45.23	0.50
26 27 26 00-0287 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	57.54	0.50
26 27 26 00-0288 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.76	0.75
26 27 26 00-0289 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	90.87	0.75
26 27 26 00-0290 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	21.27	1.00
26 27 26 00-0291 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	86.93	1.00
26 27 26 00-0292 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0267)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0293 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.69	0.50
26 27 26 00-0294 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.68	0.50
26 27 26 00-0295 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.31	0.75
26 27 26 00-0296 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	6.82	0.75
26 27 26 00-0297 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.82	0.75
26 27 26 00-0298 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.56	0.75
26 27 26 00-0299 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0267)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0300 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.75	0.50
26 27 26 00-0301 Polycarbonate Weatherproof Covers (26 27 26 00-0267)		
Note: Includes neoprene gasket.		
26 27 26 00-0302 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.37	0.50
26 27 26 00-0303 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.37	0.50
26 27 26 00-0304 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.37	0.50
26 27 26 00-0305 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.17	0.75
26 27 26 00-0306 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.17	0.75
26 27 26 00-0307 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0267)		
Note: Includes neoprene gasket.		
26 27 26 00-0308 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	46.28	0.50
26 27 26 00-0309 Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0267)		
Note: Includes neoprene gasket.		
26 27 26 00-0310 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	727.58	0.50
26 27 26 00-0311 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	749.64	0.75
26 27 26 00-0312 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	730.18	0.50
26 27 26 00-0313 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,698.59	0.50
26 27 26 00-0314 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,980.93	0.50
26 27 26 00-0315 EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,591.69	0.50
26 27 26 00-0316 EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,167.13	0.50
26 27 26 00-0317 EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,378.59	0.50
26 27 26 00-0318 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,224.71	0.50
26 27 26 00-0319 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	1,759.12	0.75
26 27 26 00-0320 Removal And Reinstallation Of Wiring Devices (26 27 26)		
Note: Includes storage and cleaning.		
26 27 26 00-0321 EA Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device.....	65.97	
26 27 26 00-0322 EA Remove And Reinstall Receptacle Or Switch Outlet Cover Plate.....	8.36	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0323 Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0324 EA Relay 2 Position, 10 Amp, 24 Volt Coil	66.43	22.56
26 27 26 00-0325 EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	260.47	75.21
26 27 26 00-0326 EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	420.86	100.29
26 27 26 00-0327 Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0328 Heavy Duty Precision Oiltight <small>(26 27 26 00-0327)</small>		
26 27 26 00-0329 Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0328)</small>		
26 27 26 00-0330 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	290.80	63.18
26 27 26 00-0331 In Line Midget Fuseholders <small>(26 27 26)</small>		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0332 EA Single Pole Water Resistant In Line Midget Fuseholder	60.73	
26 27 26 00-0333 EA Double Pole Water Resistant In Line Midget Fuseholder	121.04	
26 27 73 Door Chimes <small>(26 27)</small>		
26 27 73 00-0001 Door Chimes <small>(26 27 73)</small>		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete	488.31	208.89
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	166.45	50.14
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete	71.88	25.07
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices <small>(26 20)</small>		
26 28 13 Fuses <small>(26 28)</small>		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.22	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.89	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.43	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.37	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.79	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.97	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.77	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.17	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	16.92	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.39	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	17.06	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	28.12	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.67	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.68	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	27.55	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	26.54	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	25.93	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.32	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.20	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.33	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.17	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.01	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.53	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.89	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.59	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.15	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses ^(26 28)		
<small>13 00-0013</small>		
26 28 13 00-0031 EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	52.34	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0032 EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	52.10	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0033 EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	57.02	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0034 EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	51.72	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0035 EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	132.65	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0036 EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	99.14	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	
26 28 13 00-0037 EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	92.49	9.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 28 13 00-0038 EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	96.96	9.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 28 13 00-0039 EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	174.06	9.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 28 13 00-0040 EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	188.60	12.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.12	
26 28 13 00-0041 EA 350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	201.95	12.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.12	
26 28 13 00-0042 EA 400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	158.15	12.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.12	
26 28 13 00-0043 EA 450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	338.86	12.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.12	
26 28 13 00-0044 EA 500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	323.67	14.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 28 13 00-0045 EA 600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	255.37	14.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ⁽²⁶⁾		
<small>28 13 00-0013</small>		
26 28 13 00-0047 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	40.10	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0048 EA 2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.78	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0049 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	35.84	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0050 EA 4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	36.48	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0051 EA 5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	35.93	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0052 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	36.13	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0053 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.01	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0054 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.80	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0055 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.52	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0056 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.93	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0057 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	46.49	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0058 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	46.59	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0059 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	45.80	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0060 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	46.17	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0061 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	46.50	7.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^(26 28)		
<small>13 00-0013</small>		
26 28 13 00-0063 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	83.34	9.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.02	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0064 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	85.97	9.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 28 13 00-0065 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	85.55	9.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 28 13 00-0066 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	85.88	9.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 28 13 00-0067 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	150.22	9.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 28 13 00-0068 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	152.35	9.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 28 13 00-0069 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	152.49	12.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 28 13 00-0070 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	152.14	12.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 28 13 00-0071 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	280.36	12.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 28 13 00-0072 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	284.38	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 28 13 00-0073 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	319.02	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 28 13 00-0074 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	290.27	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 28 13 00-0075 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	510.95	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 28 13 00-0076 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	459.38	18.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0077 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	402.70	18.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses (26 28 13)		
Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.43	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0080 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.82	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0081 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.71	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0082 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.59	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0083 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.40	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0084 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.49	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0085 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.91	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.60	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.12	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.03	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.96	7.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse (26 28 13)		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	36.42	5.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	36.67	5.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	32.92	6.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	33.92	7.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.52	7.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	33.98	7.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	43.62	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	37.57	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	60.16	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	52.38	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	58.97	10.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.02	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.04	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	54.20	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	80.89	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	85.51	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	84.33	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.09	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	163.26	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	140.67	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	136.57	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	138.36	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	117.36	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	274.45	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	254.84	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	235.98	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	256.05	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	215.79	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	439.81	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	377.62	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	285.59	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	819.05	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	820.65	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	822.14	12.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.52	
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	821.44	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 28 13 00-0126 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	757.43	15.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 28 13 00-0127 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	811.55	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0128 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	748.01	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0129 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	835.03	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0130 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	818.99	17.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 28 13 00-0131 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	731.85	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0132 EA 601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	751.13	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0133 EA 650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	993.53	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0134 EA 700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	728.35	20.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.03	
26 28 13 00-0135 EA 750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,112.06	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0136 EA 800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	647.94	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0137 EA 900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	938.14	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0138 EA 1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	637.34	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0139 EA 1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	655.78	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0140 EA 1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,436.42	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0141 EA 1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,416.49	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0142 EA 1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,279.71	22.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 28 13 00-0143 EA 1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	808.07	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0144 EA 1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,690.71	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0145 EA 2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,089.41	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0146 EA 2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,465.83	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0147 EA 2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,483.35	25.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.04	
26 28 13 00-0148 EA 3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,633.80	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 13 00-0149 EA 3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,355.65	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 13 00-0150 EA 3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,890.26	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 13 00-0151 EA 4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,258.60	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 13 00-0152 EA 5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,551.95	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,865.74	27.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.55	
26 28 16 Enclosed Switches And Circuit Breakers (26 28)		
26 28 16 00-0001 Motor And Circuit Disconnects (26 28 16)		
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002 Safety Switches, NEMA 1 Enclosure, Neutral Kit (26 28 16 00-0001)		
26 28 16 00-0003 Heavy Duty Fusible Switches (26 28 16 00-0002)		
Note: Includes fuses and neutral bar.		
26 28 16 00-0004 240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0005 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	322.17	100.29
26 28 16 00-0006 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	484.89	120.84
26 28 16 00-0007 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	651.99	141.40
26 28 16 00-0008 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,111.12	222.62
26 28 16 00-0009 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,288.17	345.97
26 28 16 00-0010 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,782.42	511.44
26 28 16 00-0011 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	5,104.05	601.68
26 28 16 00-0012 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	6,791.15	701.97
26 28 16 00-0013 600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0014 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	466.29	111.42
26 28 16 00-0015 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	562.47	134.28
26 28 16 00-0016 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	861.53	156.94
26 28 16 00-0017 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	1,283.01	247.70
26 28 16 00-0018 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	2,708.56	384.28
26 28 16 00-0019 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	4,204.00	567.99
26 28 16 00-0020 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	6,116.64	668.18
26 28 16 00-0021 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole.....	8,279.14	779.98
26 28 16 00-0022 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	467.09	157.44
26 28 16 00-0024 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	674.61	209.09
26 28 16 00-0025 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	879.64	232.15
26 28 16 00-0026 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,389.20	363.52
26 28 16 00-0027 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	2,793.52	596.67
26 28 16 00-0028 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,464.71	835.85
26 28 16 00-0029 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	591.64	173.99
26 28 16 00-0031 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	758.32	232.15
26 28 16 00-0032 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,070.06	261.23
26 28 16 00-0033 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,583.43	398.12
26 28 16 00-0034 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,384.32	642.80
26 28 16 00-0035 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	5,384.14	928.61
26 28 16 00-0036 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	8,348.87	1,103.09
26 28 16 00-0037 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,580.48	1,253.52
26 28 16 00-0038 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0039 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	455.41	157.44
26 28 16 00-0040 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	659.52	209.09
26 28 16 00-0041 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	852.18	232.15
26 28 16 00-0042 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,426.97	363.52
26 28 16 00-0043 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,006.34	596.67
26 28 16 00-0044 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,784.90	835.85
26 28 16 00-0045 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	7,726.33	1,052.96
26 28 16 00-0046 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	9,472.85	1,203.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0047				600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0003)</small>		
	26 28 16 00-0048	EA		30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	634.49	173.99
	26 28 16 00-0049	EA		60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	810.98	232.15
	26 28 16 00-0050	EA		100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,147.06	261.23
	26 28 16 00-0051	EA		200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,698.70	398.12
	26 28 16 00-0052	EA		400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,630.25	642.80
	26 28 16 00-0053	EA		600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,818.50	928.61
	26 28 16 00-0054	EA		800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,070.01	1,103.09
	26 28 16 00-0055	EA		1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	11,359.46	1,253.52
26 28 16 00-0056				Heavy Duty Non-Fusible Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0057				240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0058	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	314.78	145.11
	26 28 16 00-0059	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	479.44	201.86
	26 28 16 00-0060	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	642.05	232.15
	26 28 16 00-0061	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,008.74	371.44
	26 28 16 00-0062	EA		400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,982.11	619.03
	26 28 16 00-0063	EA		600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,172.46	844.17
	26 28 16 00-0064	EA		800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	4,451.69	1,002.81
	26 28 16 00-0065	EA		1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	5,815.97	1,170.38
26 28 16 00-0066				600 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0067	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	347.63	160.15
	26 28 16 00-0068	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	541.99	226.54
	26 28 16 00-0069	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	723.88	257.93
	26 28 16 00-0070	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,124.64	403.74
	26 28 16 00-0071	EA		400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,132.20	663.26
	26 28 16 00-0072	EA		600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,508.13	928.51
	26 28 16 00-0073	EA		800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	4,892.51	1,002.81
	26 28 16 00-0074	EA		1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	6,419.66	1,170.38
26 28 16 00-0075				240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0076	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	375.37	130.36
	26 28 16 00-0077	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	563.72	181.51
	26 28 16 00-0078	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	738.97	209.09
	26 28 16 00-0079	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,164.59	334.44
	26 28 16 00-0080	EA		400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,264.93	557.06
	26 28 16 00-0081	EA		600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,568.87	759.63
	26 28 16 00-0082	EA		800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	5,900.59	902.53
	26 28 16 00-0083	EA		1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	7,616.15	1,052.96
26 28 16 00-0084				480 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0085	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	410.49	143.91
	26 28 16 00-0086	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	622.32	204.07
	26 28 16 00-0087	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	808.33	232.15
	26 28 16 00-0088	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,258.15	363.52
	26 28 16 00-0089	EA		400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	2,426.72	596.67
	26 28 16 00-0090	EA		600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	3,867.20	835.85
	26 28 16 00-0091	EA		800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	6,191.82	902.53
26 28 16 00-0092				600 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0093	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	432.24	144.11
	26 28 16 00-0094	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	659.40	203.87
	26 28 16 00-0095	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	868.64	232.15
	26 28 16 00-0096	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,351.04	363.32
	26 28 16 00-0097	EA		400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,556.66	596.87
	26 28 16 00-0098	EA		600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	4,251.77	835.65
	26 28 16 00-0099	EA		800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	6,631.25	902.53
	26 28 16 00-0100	EA		1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	8,599.75	1,052.96
26 28 16 00-0101				240 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0102	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	584.23	130.56
	26 28 16 00-0103	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	720.36	181.71
	26 28 16 00-0104	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,062.05	208.89
	26 28 16 00-0105	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,606.46	334.24
26 28 16 00-0106				480 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0056)</small>		
	26 28 16 00-0107	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	634.33	143.91
	26 28 16 00-0108	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	790.18	204.07
	26 28 16 00-0109	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,154.51	232.15

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0110	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,731.60	363.52
26 28 16 00-0111			600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0056)		
26 28 16 00-0112	EA		30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	694.86	144.11
26 28 16 00-0113	EA		60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	856.94	203.87
26 28 16 00-0114	EA		100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,274.56	232.15
26 28 16 00-0115	EA		200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,906.48	363.32
26 28 16 00-0116			General Duty Fusible Switches (26 28 16 00-0002)		
			Note: Includes fuses and neutral bar.		
26 28 16 00-0117			240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0116)		
26 28 16 00-0118	EA		30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	234.28	87.24
26 28 16 00-0119	EA		60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	310.91	104.99
26 28 16 00-0120	EA		100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	454.65	122.75
26 28 16 00-0121	EA		200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	821.15	193.64
26 28 16 00-0122	EA		400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,855.59	300.35
26 28 16 00-0123	EA		600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,398.93	444.54
26 28 16 00-0124			240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0125	EA		30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	333.85	137.08
26 28 16 00-0126	EA		60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	464.04	181.71
26 28 16 00-0127	EA		100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	612.87	201.86
26 28 16 00-0128	EA		200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	1,066.55	315.98
26 28 16 00-0129	EA		400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,294.61	519.06
26 28 16 00-0130	EA		600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,966.35	726.63
26 28 16 00-0131			240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0116)		
26 28 16 00-0132	EA		30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	362.09	137.08
26 28 16 00-0133	EA		60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	509.57	181.71
26 28 16 00-0134	EA		100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	654.31	201.86
26 28 16 00-0135	EA		200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	1,170.93	315.98
26 28 16 00-0136	EA		400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,473.02	519.06
26 28 16 00-0137	EA		600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	4,079.45	726.63
26 28 16 00-0138			General Duty Non-Fusible Switches (26 28 16 00-0002)		
26 28 16 00-0139			240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0138)		
26 28 16 00-0140	EA		60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	321.44	121.34
26 28 16 00-0141	EA		100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	414.48	139.49
26 28 16 00-0142	EA		200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	880.01	222.92
26 28 16 00-0143	EA		400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,822.22	371.04
26 28 16 00-0144	EA		600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,071.31	505.62
26 28 16 00-0145			240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0138)		
26 28 16 00-0146	EA		30 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	303.01	113.52
26 28 16 00-0147	EA		60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	416.64	157.94
26 28 16 00-0148	EA		100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	598.06	181.71
26 28 16 00-0149	EA		200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,015.99	290.72
26 28 16 00-0150	EA		400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,049.75	484.56
26 28 16 00-0151	EA		600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,382.24	660.45
26 28 16 00-0152			Safety Switches, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs (26 28 16 00-0001)		
26 28 16 00-0153			Heavy Duty Fusible Switches (26 28 16 00-0152)		
			Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154			240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0155	EA		30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	455.23	117.83
26 28 16 00-0156	EA		60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	696.13	141.40
26 28 16 00-0157	EA		100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	862.58	164.46
26 28 16 00-0158	EA		200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,268.69	250.70
26 28 16 00-0159	EA		400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,710.29	401.12
26 28 16 00-0160	EA		600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	4,647.78	535.00
26 28 16 00-0161	EA		800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	6,846.42	601.68
26 28 16 00-0162	EA		1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	9,013.99	701.97
26 28 16 00-0163			600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0164	EA		30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	755.62	157.04
26 28 16 00-0165	EA		60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	903.13	192.54
26 28 16 00-0166	EA		100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,250.07	221.12
26 28 16 00-0167	EA		200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,773.53	331.63
26 28 16 00-0168	EA		400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	3,750.46	542.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0169 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	6,743.68	746.19
26 28 16 00-0170 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	9,770.05	859.21
26 28 16 00-0171 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	10,775.33	967.21
26 28 16 00-0172 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0173 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	602.26	185.52
26 28 16 00-0174 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	926.16	245.68
26 28 16 00-0175 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,100.01	269.76
26 28 16 00-0176 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,642.10	417.67
26 28 16 00-0177 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,425.02	696.45
26 28 16 00-0178 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,571.33	928.61
26 28 16 00-0179 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0180 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	882.66	219.92
26 28 16 00-0181 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,057.51	269.56
26 28 16 00-0182 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,384.52	309.47
26 28 16 00-0183 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	2,020.16	464.30
26 28 16 00-0184 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	4,121.48	759.74
26 28 16 00-0185 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	7,245.25	1,044.63
26 28 16 00-0186 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,088.43	1,203.38
26 28 16 00-0187 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	12,023.75	1,353.79
26 28 16 00-0188 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0189 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	650.15	185.52
26 28 16 00-0190 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	927.54	245.68
26 28 16 00-0191 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,167.35	269.76
26 28 16 00-0192 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,687.01	417.67
26 28 16 00-0193 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,466.22	696.45
26 28 16 00-0194 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	6,024.47	928.61
26 28 16 00-0195 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	9,752.75	1,052.96
26 28 16 00-0196 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	12,090.71	1,203.38
26 28 16 00-0197 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	910.13	220.12
26 28 16 00-0199 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,088.40	269.76
26 28 16 00-0200 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,453.17	309.37
26 28 16 00-0201 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	2,064.79	464.30
26 28 16 00-0202 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	4,282.82	759.63
26 28 16 00-0203 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	7,430.62	1,044.43
26 28 16 00-0204 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,672.14	1,203.38
26 28 16 00-0205 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	12,793.15	1,353.79
26 28 16 00-0206 Heavy Duty Non-Fusible Switches (26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)		
26 28 16 00-0208 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	426.90	103.19
26 28 16 00-0209 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	681.57	142.90
26 28 16 00-0210 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	881.65	163.86
26 28 16 00-0211 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,201.62	265.34
26 28 16 00-0212 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,585.83	442.64
26 28 16 00-0213 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	4,584.36	590.15
26 28 16 00-0214 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	7,226.12	702.27
26 28 16 00-0215 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	9,464.16	802.55
26 28 16 00-0216 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)		
26 28 16 00-0217 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	479.15	113.72
26 28 16 00-0218 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	770.75	159.14
26 28 16 00-0219 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	992.32	179.70
26 28 16 00-0220 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,324.03	278.59
26 28 16 00-0221 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,911.66	464.30
26 28 16 00-0222 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	4,938.60	619.03
26 28 16 00-0223 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	7,698.42	735.66
26 28 16 00-0224 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	10,077.66	835.65
26 28 16 00-0225 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)		
26 28 16 00-0226 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	530.07	154.74
26 28 16 00-0227 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	824.42	214.30
26 28 16 00-0228 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,045.51	245.78
26 28 16 00-0229 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,466.91	398.02
26 28 16 00-0230 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,062.94	663.86
26 28 16 00-0231 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	5,242.06	884.98
26 28 16 00-0232 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	8,003.81	1,052.96
26 28 16 00-0233 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	10,481.54	1,203.38

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0234	480 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235	EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	577.41	170.48
26 28 16 00-0236	EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	901.67	238.77
26 28 16 00-0237	EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,132.64	269.56
26 28 16 00-0238	EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,554.65	417.87
26 28 16 00-0239	EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	3,251.80	696.35
26 28 16 00-0240	EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,576.58	928.51
26 28 16 00-0241	EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	8,525.17	1,103.09
26 28 16 00-0242	EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	11,156.94	1,253.52
26 28 16 00-0243	600 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244	EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	358.96	170.48
26 28 16 00-0245	EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	929.93	238.77
26 28 16 00-0246	EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,172.04	269.56
26 28 16 00-0247	EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,602.59	417.87
26 28 16 00-0248	EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,375.93	696.35
26 28 16 00-0249	EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,557.61	928.51
26 28 16 00-0250	EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	8,514.54	1,103.09
26 28 16 00-0251	EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	11,142.48	1,253.52
26 28 16 00-0252	General Duty Fusible Switches <small>(26 28 16 00-0152)</small>		
	Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253	240 Volt Class, 2 Wire, 1 Blade And Fuseholder <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254	EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	296.85	102.49
26 28 16 00-0255	EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	405.71	122.95
26 28 16 00-0256	EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	522.40	143.00
26 28 16 00-0257	EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,025.71	218.01
26 28 16 00-0258	EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,397.71	348.78
26 28 16 00-0259	EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,157.11	465.30
26 28 16 00-0260	240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261	EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	415.26	161.55
26 28 16 00-0262	EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Heavy Duty, With Fuses, 240 Volt, 3 Phase	587.43	213.70
26 28 16 00-0263	EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	704.88	234.45
26 28 16 00-0264	EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,316.96	363.32
26 28 16 00-0265	EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,912.28	605.50
26 28 16 00-0266	EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,847.78	807.66
26 28 16 00-0267	240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268	EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	454.81	161.45
26 28 16 00-0269	EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	627.25	213.70
26 28 16 00-0270	EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	832.75	234.45
26 28 16 00-0271	EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,399.49	363.32
26 28 16 00-0272	EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,965.30	605.60
26 28 16 00-0273	EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	5,260.99	807.66
26 28 16 00-0274	EA 800 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	7,373.63	914.96
26 28 16 00-0275	General Duty Non-Fusible Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276	240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277	EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	266.19	89.76
26 28 16 00-0278	EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	421.97	124.25
26 28 16 00-0279	EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	450.76	142.50
26 28 16 00-0280	EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	1,051.40	230.65
26 28 16 00-0281	EA 400 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,470.10	384.88
26 28 16 00-0282	EA 600 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	4,254.62	513.14
26 28 16 00-0283	240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284	EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	413.08	134.58
26 28 16 00-0285	EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	590.20	186.32
26 28 16 00-0286	EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	828.39	213.70
26 28 16 00-0287	EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,411.43	346.07
26 28 16 00-0288	Safety Switches, NEMA 4, 4X Or 5 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289	Heavy Duty Fusible Switches <small>(26 28 16 00-0288)</small>		
	Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290	240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291	EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,080.51	100.29
26 28 16 00-0292	EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,298.18	120.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0293 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,584.99	141.19
26 28 16 00-0294 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,591.93	222.82
26 28 16 00-0295 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	7,237.64	345.77
26 28 16 00-0296 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	10,412.09	511.24
26 28 16 00-0297 600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0289)		
26 28 16 00-0298 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,361.64	111.42
26 28 16 00-0299 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,520.42	134.18
26 28 16 00-0300 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,797.40	156.84
26 28 16 00-0301 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,969.22	247.70
26 28 16 00-0302 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,531.66	384.48
26 28 16 00-0303 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	10,809.35	567.99
26 28 16 00-0304 240 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)		
26 28 16 00-0305 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,241.33	157.64
26 28 16 00-0306 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,562.68	208.89
26 28 16 00-0307 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,880.74	232.15
26 28 16 00-0308 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,115.16	363.32
26 28 16 00-0309 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,956.46	596.87
26 28 16 00-0310 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	11,344.76	835.65
26 28 16 00-0311 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)		
26 28 16 00-0312 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,490.54	174.09
26 28 16 00-0313 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,720.18	232.15
26 28 16 00-0314 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,013.68	261.13
26 28 16 00-0315 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,280.47	397.92
26 28 16 00-0316 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,232.89	642.80
26 28 16 00-0317 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,723.38	928.51
26 28 16 00-0318 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)		
26 28 16 00-0319 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,465.24	157.64
26 28 16 00-0320 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,842.59	208.89
26 28 16 00-0321 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,440.83	232.15
26 28 16 00-0322 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,881.06	363.32
26 28 16 00-0323 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,463.86	596.87
26 28 16 00-0324 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	13,416.29	835.65
26 28 16 00-0325 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)		
26 28 16 00-0326 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,755.12	174.09
26 28 16 00-0327 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,020.20	232.15
26 28 16 00-0328 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,585.39	261.13
26 28 16 00-0329 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,052.78	397.92
26 28 16 00-0330 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,760.63	642.80
26 28 16 00-0331 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	13,823.15	928.51
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible Switches (26 28 16 00-0289)		
26 28 16 00-0333 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)		
26 28 16 00-0334 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,039.19	100.29
26 28 16 00-0335 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,275.51	139.49
26 28 16 00-0336 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,338.92	160.45
26 28 16 00-0337 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,265.65	256.31
26 28 16 00-0338 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,921.05	426.80
26 28 16 00-0339 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,462.21	581.44
26 28 16 00-0340 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)		
26 28 16 00-0341 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,179.75	110.61
26 28 16 00-0342 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,451.59	156.44
26 28 16 00-0343 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,662.85	178.30
26 28 16 00-0344 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,703.48	278.59
26 28 16 00-0345 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,708.36	458.49
26 28 16 00-0346 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,625.85	641.80
26 28 16 00-0347 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)		
26 28 16 00-0348 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,099.78	130.56
26 28 16 00-0349 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,343.94	181.71
26 28 16 00-0350 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,414.29	208.89
26 28 16 00-0351 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,686.54	334.24
26 28 16 00-0352 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,867.19	557.16
26 28 16 00-0353 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	9,059.17	759.74

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0354 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)		
26 28 16 00-0355 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,246.60	144.11
26 28 16 00-0356 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,546.44	203.87
26 28 16 00-0357 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,770.55	232.15
26 28 16 00-0358 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,872.91	363.32
26 28 16 00-0359 EA 400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,654.59	596.87
26 28 16 00-0360 EA 600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	10,288.22	835.65
26 28 16 00-0361 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0332)		
26 28 16 00-0362 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,482.57	130.56
26 28 16 00-0363 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,792.93	181.71
26 28 16 00-0364 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,913.36	208.89
26 28 16 00-0365 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	5,979.24	334.24
26 28 16 00-0366 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0332)		
26 28 16 00-0367 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,684.07	144.11
26 28 16 00-0368 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,041.46	203.87
26 28 16 00-0369 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,459.15	232.15
26 28 16 00-0370 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	6,796.05	363.32
26 28 16 00-0371 Fiberglass Reinforced Polyester Enclosures (26 28 16 00-0288)		
26 28 16 00-0372 600 Volt Class, 3 Pole, Fusible (26 28 16 00-0371)		
26 28 16 00-0373 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,962.44	173.99
26 28 16 00-0374 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,257.38	232.15
26 28 16 00-0375 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,962.86	261.23
26 28 16 00-0376 EA 200 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,193.36	398.12
26 28 16 00-0377 600 Volt Class, 3 Pole, Non-Fusible (26 28 16 00-0371)		
26 28 16 00-0378 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,826.19	143.91
26 28 16 00-0379 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,116.98	204.07
26 28 16 00-0380 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,737.29	232.15
26 28 16 00-0381 EA 200 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,109.06	363.52
26 28 16 00-0382 Krydon Enclosures (26 28 16 00-0288)		
26 28 16 00-0383 600 Volt Class, 3 Pole, Fusible (26 28 16 00-0382)		
26 28 16 00-0384 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,228.84	173.99
26 28 16 00-0385 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,555.47	232.15
26 28 16 00-0386 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,526.60	261.23
26 28 16 00-0387 600 Volt Class, 3 Pole, Non-Fusible (26 28 16 00-0382)		
26 28 16 00-0388 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,078.25	143.91
26 28 16 00-0389 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,399.22	204.07
26 28 16 00-0390 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,278.39	232.15
26 28 16 00-0391 Safety Switches, NEMA 7 Or 9 Enclosures, Neutral Kit (26 28 16 00-0001)		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392 Heavy Duty Fusible Switches (26 28 16 00-0391)		
Note: With fuses and neutral bar.		
26 28 16 00-0393 EA 30 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,800.90	200.56
26 28 16 00-0394 EA 60 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,877.31	238.77
26 28 16 00-0395 EA 100 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,266.36	269.56
26 28 16 00-0396 EA 200 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,715.77	417.87
26 28 16 00-0397 Heavy Duty Non-Fusible Switch (26 28 16 00-0391)		
26 28 16 00-0398 EA 60 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,449.10	238.77
26 28 16 00-0399 EA 100 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,689.90	269.56
26 28 16 00-0400 EA 200 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	3,059.58	417.87
26 28 16 00-0401 Safety Switches, NEMA 12 Enclosure, Neutral Kit (26 28 16 00-0001)		
26 28 16 00-0402 Heavy Duty Fusible Switches (26 28 16 00-0401)		
Note: With fuses and neutral bar.		
26 28 16 00-0403 240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0404 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	432.96	100.29
26 28 16 00-0405 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	559.25	120.84
26 28 16 00-0406 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	748.82	141.40
26 28 16 00-0407 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,253.67	222.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0408 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,596.80	345.97
26 28 16 00-0409 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,620.01	511.44
26 28 16 00-0410 600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0411 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	651.94	111.32
26 28 16 00-0412 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	683.91	134.38
26 28 16 00-0413 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	963.06	156.94
26 28 16 00-0414 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,508.13	247.70
26 28 16 00-0415 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,196.02	384.08
26 28 16 00-0416 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	6,205.17	568.09
26 28 16 00-0417 240 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0418 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	612.82	157.44
26 28 16 00-0419 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	843.14	209.09
26 28 16 00-0420 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,118.86	232.15
26 28 16 00-0421 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,674.09	363.52
26 28 16 00-0422 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,215.74	596.67
26 28 16 00-0423 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,088.38	835.85
26 28 16 00-0424 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0425 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	794.46	173.99
26 28 16 00-0426 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	920.83	232.15
26 28 16 00-0427 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,308.41	261.23
26 28 16 00-0428 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,914.97	398.12
26 28 16 00-0429 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,898.02	642.80
26 28 16 00-0430 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	7,164.16	928.61
26 28 16 00-0431 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0432 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	648.34	157.44
26 28 16 00-0433 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	867.54	209.09
26 28 16 00-0434 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,195.46	232.15
26 28 16 00-0435 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,770.25	363.52
26 28 16 00-0436 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,473.21	596.67
26 28 16 00-0437 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,262.32	835.85
26 28 16 00-0438 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0402)		
26 28 16 00-0439 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	835.64	173.99
26 28 16 00-0440 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,030.69	232.15
26 28 16 00-0441 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,383.94	261.23
26 28 16 00-0442 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	2,059.15	398.12
26 28 16 00-0443 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	4,131.44	642.80
26 28 16 00-0444 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	7,356.39	928.61
26 28 16 00-0445 Heavy Duty Non-Fusible Switches (26 28 16 00-0401)		
26 28 16 00-0446 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0447 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	450.24	144.91
26 28 16 00-0448 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	601.01	202.06
26 28 16 00-0449 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	782.22	232.15
26 28 16 00-0450 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,132.06	371.54
26 28 16 00-0451 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,407.84	619.24
26 28 16 00-0452 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,756.44	844.37
26 28 16 00-0453 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0445)		
26 28 16 00-0454 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	501.19	159.95
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	668.76	226.64
26 28 16 00-0456 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	871.50	257.73
26 28 16 00-0457 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,230.06	403.64
26 28 16 00-0458 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,553.48	663.36
26 28 16 00-0459 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	4,150.06	928.61
26 28 16 00-0460 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		
26 28 16 00-0461 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	580.71	130.36
26 28 16 00-0462 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	769.77	181.51
26 28 16 00-0463 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,005.77	209.09
26 28 16 00-0464 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,456.58	334.44
26 28 16 00-0465 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,982.72	557.06
26 28 16 00-0466 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	4,637.43	759.63
26 28 16 00-0467 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0445)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0468 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	577.89	143.91
26 28 16 00-0469 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	836.74	204.07
26 28 16 00-0470 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,082.17	232.15
26 28 16 00-0471 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,457.86	363.52
26 28 16 00-0472 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,016.65	596.67
26 28 16 00-0473 EA 600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	5,481.76	835.85
26 28 16 00-0474 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0475 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	682.33	130.36
26 28 16 00-0476 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	827.56	181.51
26 28 16 00-0477 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,242.52	209.09
26 28 16 00-0478 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,972.04	334.44
26 28 16 00-0479 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,463.29	426.20
26 28 16 00-0480 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0445)		
26 28 16 00-0481 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	713.83	143.91
26 28 16 00-0482 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	905.40	204.07
26 28 16 00-0483 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,332.77	232.15
26 28 16 00-0484 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,037.99	363.52
26 28 16 00-0485 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,747.27	561.58
26 28 16 00-0486 Double Throw Safety Switches (26 28 16 00-0001)		
26 28 16 00-0487 Safety Switches, NEMA 1 Enclosure (26 28 16 00-0486)		
Note: With neutral kit.		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0489 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	545.34	128.86
26 28 16 00-0490 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	792.28	168.47
26 28 16 00-0491 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,101.54	220.12
26 28 16 00-0492 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,464.52	286.30
26 28 16 00-0493 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,333.87	358.00
26 28 16 00-0494 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,018.59	574.11
26 28 16 00-0495 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,990.86	802.25
26 28 16 00-0496 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,134.17	902.53
26 28 16 00-0497 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	11,904.49	1,002.81
26 28 16 00-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0499 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	698.88	180.50
26 28 16 00-0500 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	965.75	235.66
26 28 16 00-0501 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,425.51	308.36
26 28 16 00-0502 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,062.12	401.12
26 28 16 00-0503 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,598.77	501.41
26 28 16 00-0504 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,479.68	802.25
26 28 16 00-0505 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,562.36	902.53
26 28 16 00-0506 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,642.90	1,002.81
26 28 16 00-0507 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,566.59	1,103.09
26 28 16 00-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0509 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	920.05	225.64
26 28 16 00-0510 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,318.29	294.83
26 28 16 00-0511 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,256.54	385.08
26 28 16 00-0512 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,074.97	500.41
26 28 16 00-0513 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	5,967.33	626.76
26 28 16 00-0514 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,677.02	1,004.32
26 28 16 00-0515 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	9,615.14	1,103.09
26 28 16 00-0516 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,601.74	1,153.23
26 28 16 00-0517 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	14,080.81	1,203.38
26 28 16 00-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0519 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	899.41	168.47
26 28 16 00-0520 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,332.35	220.12
26 28 16 00-0521 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,941.13	286.30
26 28 16 00-0522 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,387.38	358.00
26 28 16 00-0523 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,512.55	574.11
26 28 16 00-0524 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,529.49	802.25
26 28 16 00-0525 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,967.08	902.53
26 28 16 00-0526 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,894.38	1,002.81
26 28 16 00-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure (26 28 16 00-0487)		
26 28 16 00-0528 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,033.65	235.66
26 28 16 00-0529 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,508.38	308.36
26 28 16 00-0530 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,169.79	401.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0531 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	4,673.93	501.41
26 28 16 00-0532 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	6,970.05	802.25
26 28 16 00-0533 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	8,138.08	902.53
26 28 16 00-0534 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	11,506.62	1,002.81
26 28 16 00-0535 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure	13,602.63	1,103.09
26 28 16 00-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0537 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	1,385.46	294.83
26 28 16 00-0538 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	2,353.22	385.08
26 28 16 00-0539 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	3,275.66	500.41
26 28 16 00-0540 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	6,394.16	626.76
26 28 16 00-0541 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	8,154.10	1,004.32
26 28 16 00-0542 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	10,356.04	1,103.09
26 28 16 00-0543 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	13,631.27	1,153.23
26 28 16 00-0544 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure	15,248.22	1,203.38
26 28 16 00-0545 Safety Switches, NEMA 3R Enclosure <small>(26 28 16 00-0486)</small>		
Note: With neutral kit.		
26 28 16 00-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0547 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,344.27	220.12
26 28 16 00-0548 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,954.32	286.30
26 28 16 00-0549 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	9,335.32	358.00
26 28 16 00-0550 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	16,053.08	574.11
26 28 16 00-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0552 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,773.57	307.86
26 28 16 00-0553 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	2,806.41	400.62
26 28 16 00-0554 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	9,703.09	501.41
26 28 16 00-0555 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	10,697.30	803.76
26 28 16 00-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0557 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,667.58	225.74
26 28 16 00-0558 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,076.64	294.62
26 28 16 00-0559 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,894.86	384.98
26 28 16 00-0560 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	4,154.11	500.61
26 28 16 00-0561 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,921.24	626.76
26 28 16 00-0562 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	8,234.02	1,004.42
26 28 16 00-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0564 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,129.35	168.47
26 28 16 00-0565 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,697.55	220.12
26 28 16 00-0566 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	3,022.99	286.30
26 28 16 00-0567 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	5,703.26	358.00
26 28 16 00-0568 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	7,678.47	574.11
26 28 16 00-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0570 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,305.94	235.66
26 28 16 00-0571 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,939.92	307.86
26 28 16 00-0572 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	3,380.59	400.62
26 28 16 00-0573 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	6,252.32	501.41
26 28 16 00-0574 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	8,479.20	803.76
26 28 16 00-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0545)</small>		
26 28 16 00-0576 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,092.16	294.62
26 28 16 00-0577 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,901.98	384.98
26 28 16 00-0578 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	4,252.95	500.61
26 28 16 00-0579 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,909.57	626.76
26 28 16 00-0580 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	8,298.35	1,004.42
26 28 16 00-0581 Safety Switches, NEMA 12 Enclosure <small>(26 28 16 00-0486)</small>		
Note: With neutral kit.		
26 28 16 00-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0583 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,304.02	128.96
26 28 16 00-0584 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,490.16	168.37
26 28 16 00-0585 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,703.56	220.02
26 28 16 00-0586 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,332.42	286.10
26 28 16 00-0587 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	4,253.99	358.10
26 28 16 00-0588 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	6,267.86	573.91

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0589	240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0590	EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,517.61	180.50
26 28 16 00-0591	EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,808.01	235.66
26 28 16 00-0592	EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,162.32	307.86
26 28 16 00-0593	EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,997.72	400.62
26 28 16 00-0594	EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,329.17	501.41
26 28 16 00-0595	EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	7,125.06	803.76
26 28 16 00-0596	240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0597	EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,241.22	225.74
26 28 16 00-0598	EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,640.19	294.62
26 28 16 00-0599	EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,608.65	384.98
26 28 16 00-0600	EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,889.81	500.61
26 28 16 00-0601	EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,874.34	626.76
26 28 16 00-0602	EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	11,158.26	1,004.42
26 28 16 00-0603	600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0604	EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,934.28	168.37
26 28 16 00-0605	EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,059.32	220.02
26 28 16 00-0606	EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	3,827.30	286.10
26 28 16 00-0607	EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,490.76	358.10
26 28 16 00-0608	EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	7,428.10	573.91
26 28 16 00-0609	600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0610	EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,153.05	235.66
26 28 16 00-0611	EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,320.66	307.86
26 28 16 00-0612	EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	4,227.11	400.62
26 28 16 00-0613	EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	6,028.42	501.41
26 28 16 00-0614	EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	8,215.38	803.76
26 28 16 00-0615	600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure <small>(26 28 16 00-0581)</small>		
26 28 16 00-0616	EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,665.50	294.62
26 28 16 00-0617	EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,795.28	384.98
26 28 16 00-0618	EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,999.82	500.61
26 28 16 00-0619	EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	9,111.12	626.76
26 28 16 00-0620	EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	11,472.11	1,004.42
26 28 16 00-0621	Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
	Note: Includes storage and cleaning.		
26 28 16 00-0622	EA Remove And Reinstall Safety Disconnect Switch Up To 100 Amp	501.41	
26 28 16 00-0623	EA Remove And Reinstall Safety Disconnect Switch 101 To 200 Amp	651.86	
26 28 16 00-0624	EA Remove And Reinstall Safety Disconnect Switch 201 To 300 Amp	727.09	
26 28 16 00-0625	EA Remove And Reinstall Safety Disconnect Switch 301 To 400 Amp	852.44	
26 28 16 00-0626	Bolted Contact Switches <small>(26 28 16)</small>		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0627	Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0628	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0627)</small>		
26 28 16 00-0629	EA 800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	5,823.42	1,002.81
26 28 16 00-0630	EA 1200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	6,388.35	1,203.38
26 28 16 00-0631	EA 1600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	7,019.42	1,403.94
26 28 16 00-0632	EA 2000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	7,499.30	1,604.50
26 28 16 00-0633	EA 2500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	8,464.28	1,805.06
26 28 16 00-0634	EA 3000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	10,430.95	2,005.62
26 28 16 00-0635	EA 4000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	13,847.69	2,406.75
26 28 16 00-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0627)</small>		
26 28 16 00-0637	EA 800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	6,128.97	1,002.81
26 28 16 00-0638	EA 1200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,753.75	1,203.38
26 28 16 00-0639	EA 1600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	7,381.67	1,403.94
26 28 16 00-0640	EA 2000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	8,019.05	1,604.50
26 28 16 00-0641	EA 2500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	9,024.98	1,805.06
26 28 16 00-0642	EA 3000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	11,483.05	2,005.62
26 28 16 00-0643	EA 4000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	14,943.89	2,406.75
26 28 16 00-0644	Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0645	Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0644)</small>		
26 28 16 00-0646	EA 800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	4,450.02	1,002.81



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0647	EA		1200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	5,031.33	1,203.38
26 28 16 00-0648	EA		1600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	5,638.46	1,403.94
26 28 16 00-0649	EA		2000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	6,241.82	1,604.50
26 28 16 00-0650	EA		2500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	6,876.68	1,805.06
26 28 16 00-0651	EA		3000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	8,843.35	2,005.62
26 28 16 00-0652	EA		4000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	12,222.29	2,406.75
26 28 16 00-0653 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0644)					
26 28 16 00-0654	EA		800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	4,652.25	1,002.81
26 28 16 00-0655	EA		1200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	5,336.88	1,203.38
26 28 16 00-0656	EA		1600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	5,934.56	1,403.94
26 28 16 00-0657	EA		2000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	6,633.05	1,604.50
26 28 16 00-0658	EA		2500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	7,368.08	1,805.06
26 28 16 00-0659	EA		3000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	9,816.70	2,005.62
26 28 16 00-0660	EA		4000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	13,242.89	2,406.75
26 29 Low-Voltage Controllers (26 20)					
26 29 13 Enclosed Controllers (26 29)					
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)					
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)					
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	161.70	50.21
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
			<i>For Oversized Enclosure, Add</i>	17.10	
			<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	211.49	65.27
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
			<i>For Oversized Enclosure, Add</i>	17.10	
			<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	178.80	50.21
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
			<i>For Oversized Enclosure, Add</i>	17.10	
			<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	228.59	65.27
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
			<i>For Oversized Enclosure, Add</i>	17.10	
			<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	169.11	50.21
			<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	221.18	65.27
			<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	315.16	60.25
			<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	366.66	75.31
			<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	332.26	60.25
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	382.05	75.31
26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0014	EA		NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	136.72	50.21
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	8.25	
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0015	EA		NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	212.49	65.27
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	8.25	
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0016	EA		NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	153.36	55.23
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	8.25	
			<i>For Pilot Light, Add</i>	39.60	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	229.68	70.30
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	8.25	
For Pilot Light, Add	39.60	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	152.67	50.21
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	8.25	
For Pilot Light, Add	39.60	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	228.99	65.27
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	8.25	
For Pilot Light, Add	39.60	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	293.20	60.25
For Pilot Light, Add	62.70	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	362.92	75.31
For Pilot Light, Add	62.70	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	310.39	65.27
For Pilot Light, Add	62.70	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	378.47	80.34
For Pilot Light, Add	62.70	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	308.60	60.25
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	382.72	75.31
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	98.90	35.14
For Pilot Light, Add	39.60	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	174.67	50.21
For Pilot Light, Add	39.60	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	115.54	40.17
For Pilot Light, Add	39.60	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	191.31	55.23
For Pilot Light, Add	39.60	
26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	338.60	90.38
For Pilot Light, Add	63.80	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	483.55	120.50
For Pilot Light, Add	63.80	
26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	338.60	90.38
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	483.55	120.50
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	295.50	60.25
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	295.50	60.25
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	575.50	70.30
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	575.50	70.30
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	737.38	70.30
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	372.01	70.30
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	248.28	45.19
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	346.58	65.27
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	346.58	65.27
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	683.01	75.31
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	683.01	75.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	857.43	75.31
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	423.09	75.31
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	299.36	50.21
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	444.97	70.30
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	444.97	70.30
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	805.92	80.34
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	805.92	80.34
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	972.93	80.34
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	523.20	80.34
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	399.46	55.23
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	366.38	75.31
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	366.38	75.31
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	646.39	85.35
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	646.39	85.35
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	812.83	85.35
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	443.47	85.35
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	320.87	60.25
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	417.47	80.34
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	417.47	80.34
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	753.90	90.38
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	753.90	90.38
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	932.31	90.38
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	493.98	90.38
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	370.24	65.27
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	808.54	105.44
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	808.54	105.44
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	699.83	75.31
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	950.03	115.48
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	841.33	85.35
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	808.54	105.44
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	699.83	75.31
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	950.03	115.48
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	841.33	85.35
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	364.43	100.42
<i>For Factory Installed Accessory, Deduct</i>	<i>-200.84</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	408.45	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	388.37	100.42
<i>For Factory Installed Accessory, Deduct</i>	-200.84	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	432.96	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	476.98	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	601.65	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	751.38	180.75
<i>For Factory Installed Accessory, Deduct</i>	-361.50	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	448.35	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	492.37	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	537.54	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	692.89	175.73
<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	842.06	205.86
<i>For Factory Installed Accessory, Deduct</i>	-411.71	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	712.39	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	804.00	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,050.90	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,047.96	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,213.92	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	1,541.20	251.05
<i>For Factory Installed Accessory, Deduct</i>	-502.09	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	2,161.46	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	2,304.43	251.05
<i>For Factory Installed Accessory, Deduct</i>	-502.09	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	2,551.34	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	3,414.42	351.46
<i>For Factory Installed Accessory, Deduct</i>	-702.93	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	4,508.15	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	5,050.42	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	12,798.25	602.51
<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	18,353.49	903.76
<i>For Factory Installed Accessory, Deduct</i>	-1,807.53	
26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	382.10	100.42
<i>For Factory Installed Accessory, Deduct</i>	-200.84	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	426.12	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	406.04	100.42
<i>For Factory Installed Accessory, Deduct</i>	-200.84	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	451.20	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	495.22	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	621.03	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	771.33	180.75
<i>For Factory Installed Accessory, Deduct</i>	-361.50	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	467.16	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	512.32	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	556.35	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	712.27	175.73
<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	860.87	205.86
<i>For Factory Installed Accessory, Deduct</i>	-411.71	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	796.75	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	888.93	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,135.26	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,213.83	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	1,379.22	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	1,707.07	251.05
<i>For Factory Installed Accessory, Deduct</i>	-502.09	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	2,648.14	251.05
<i>For Factory Installed Accessory, Deduct</i>	-502.09	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	2,895.05	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	5,676.85	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	15,553.06	602.51
<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2).....	21,116.28	903.76
<i>For Factory Installed Accessory, Deduct</i>	-1,807.53	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	548.67	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	592.69	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	653.82	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	974.59	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,067.34	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	1,424.73	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	1,589.55	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	3,593.30	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	7,463.80	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	17,744.14	602.51
<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	779.65	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	804.73	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	848.76	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,004.68	175.73
<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,473.75	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,206.86	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,308.08	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	7,463.80	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	19,611.46	602.51
<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,501.24	160.67
<i>For Factory Installed Accessory, Deduct</i>	-321.34	
26 29 13 13-0159 Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	420.86	100.42
<i>For Factory Installed Accessory, Deduct</i>	-200.84	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	440.94	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	468.87	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	517.45	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	822.63	180.75
<i>For Factory Installed Accessory, Deduct</i>	-361.50	
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	529.99	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	614.49	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	638.43	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	764.26	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	877.53	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Controllers	26 29

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,335.33	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,738.30	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	6,019.99	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,605.94	602.51
<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,625.73	903.76
<i>For Factory Installed Accessory, Deduct</i>	-1,807.53	
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	439.67	100.42
<i>For Factory Installed Accessory, Deduct</i>	-200.84	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	459.75	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	487.68	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	536.26	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	548.23	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	597.39	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	657.81	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	849.19	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	962.46	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,501.20	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	3,082.01	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,648.13	401.67
<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	585.15	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	633.73	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	645.70	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	694.86	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	755.28	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,027.60	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,140.30	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	1,711.53	200.84
<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,779.69	301.26
<i>For Factory Installed Accessory, Deduct</i>	-602.51	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	8,433.37	401.67
			<i>For Factory Installed Accessory, Deduct</i>	-803.35	
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	19,859.41	602.51
			<i>For Factory Installed Accessory, Deduct</i>	-1,205.02	
26 29 13 13-0201			NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	585.15	110.46
			<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	633.73	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	645.70	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	694.86	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	755.28	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,027.60	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,140.30	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	1,711.53	200.84
			<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	3,779.69	301.26
			<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	1,566.93	170.71
			<i>For Factory Installed Accessory, Deduct</i>	-341.43	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	1,898.67	170.71
			<i>For Factory Installed Accessory, Deduct</i>	-341.43	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	1,959.78	180.75
			<i>For Factory Installed Accessory, Deduct</i>	-361.50	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	2,982.06	200.84
			<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	3,602.32	251.05
			<i>For Factory Installed Accessory, Deduct</i>	-502.09	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	5,706.39	351.46
			<i>For Factory Installed Accessory, Deduct</i>	-702.93	
26 29 13 13-0218			NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	771.54	110.46
			<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	820.69	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	840.64	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	889.80	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	950.22	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	1,432.87	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	2,328.27	200.84
			<i>For Factory Installed Accessory, Deduct</i>	-401.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	4,493.90	301.26
<i>For Factory Installed Accessory, Deduct</i>	<i>-802.51</i>	
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	9,806.50	401.67
<i>For Factory Installed Accessory, Deduct</i>	<i>-803.35</i>	
26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Glass polyester enclosure.</i>		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	1,547.28	150.62
<i>For Factory Installed Accessory, Deduct</i>	<i>-301.26</i>	
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	2,810.49	200.84
<i>For Factory Installed Accessory, Deduct</i>	<i>-401.67</i>	
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	5,467.46	301.26
<i>For Factory Installed Accessory, Deduct</i>	<i>-602.51</i>	
26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
<i>Note: Bolted cast iron enclosure.</i>		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,513.21	160.67
<i>For Factory Installed Accessory, Deduct</i>	<i>-321.34</i>	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	1,566.93	170.71
<i>For Factory Installed Accessory, Deduct</i>	<i>-341.43</i>	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,587.45	170.71
<i>For Factory Installed Accessory, Deduct</i>	<i>-341.43</i>	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	1,638.87	180.75
<i>For Factory Installed Accessory, Deduct</i>	<i>-361.50</i>	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	1,708.41	180.75
<i>For Factory Installed Accessory, Deduct</i>	<i>-361.50</i>	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	2,466.78	200.84
<i>For Factory Installed Accessory, Deduct</i>	<i>-401.67</i>	
26 29 13 13-0239 Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	753.00	130.54
<i>For Factory Installed Accessory, Deduct</i>	<i>-261.09</i>	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	788.91	130.54
<i>For Factory Installed Accessory, Deduct</i>	<i>-261.09</i>	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	870.55	140.58
<i>For Factory Installed Accessory, Deduct</i>	<i>-281.17</i>	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	906.60	150.62
<i>For Factory Installed Accessory, Deduct</i>	<i>-301.26</i>	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	926.55	150.62
<i>For Factory Installed Accessory, Deduct</i>	<i>-301.26</i>	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	991.09	160.67
<i>For Factory Installed Accessory, Deduct</i>	<i>-321.34</i>	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,038.31	175.73
<i>For Factory Installed Accessory, Deduct</i>	<i>-351.46</i>	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,058.83	175.73
<i>For Factory Installed Accessory, Deduct</i>	<i>-351.46</i>	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	1,740.60	200.84
<i>For Factory Installed Accessory, Deduct</i>	<i>-401.67</i>	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	2,826.65	301.26
<i>For Factory Installed Accessory, Deduct</i>	<i>-602.51</i>	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	6,335.86	451.88
<i>For Factory Installed Accessory, Deduct</i>	<i>-903.76</i>	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	11,641.15	602.51
<i>For Factory Installed Accessory, Deduct</i>	<i>-1,205.02</i>	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	37,121.70	1,104.60
<i>For Factory Installed Accessory, Deduct</i>	<i>-2,209.20</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0254			NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	767.11	120.50
			<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0256	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	804.30	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0257	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	824.82	130.54
			<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0258	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	904.75	140.58
			<i>For Factory Installed Accessory, Deduct</i>	-281.17	
26 29 13 13-0259	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	941.94	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0260	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	962.46	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0261	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,042.39	160.67
			<i>For Factory Installed Accessory, Deduct</i>	-321.34	
26 29 13 13-0262	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,089.61	175.73
			<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0263	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,110.13	175.73
			<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0264	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	1,873.98	200.84
			<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0265	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	3,057.50	301.26
			<i>For Factory Installed Accessory, Deduct</i>	-602.51	
26 29 13 13-0266	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	6,759.94	451.88
			<i>For Factory Installed Accessory, Deduct</i>	-903.76	
26 29 13 13-0267			NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268	EA		Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,087.86	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0269	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,108.38	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0270	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,256.05	175.73
			<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0271	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,117.94	200.84
			<i>For Factory Installed Accessory, Deduct</i>	-401.67	
26 29 13 13-0272			NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,335.24	150.62
			<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0274	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,562.23	160.67
			<i>For Factory Installed Accessory, Deduct</i>	-321.34	
26 29 13 13-0275			Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	100.50	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	164.85	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	100.50	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	164.85	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	164.85	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	84.43	10.04
			<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	75.98	10.04
			<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	100.50	12.55
			<i>For Factory Installed Accessory, Deduct</i>	-25.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	84.43	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	112.20	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0286 EA 30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	122.78	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0287 EA 45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	206.63	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0288 EA 60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	218.98	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0289 EA 30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	262.35	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0290 EA 45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	451.50	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0291 EA 60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	451.50	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	32.03	7.53
<i>For Factory Installed Accessory, Deduct</i>	-15.06	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	61.68	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	81.00	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	65.40	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	36.71	7.53
<i>For Factory Installed Accessory, Deduct</i>	-15.06	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	24.36	7.53
<i>For Factory Installed Accessory, Deduct</i>	-15.06	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	107.83	10.04
<i>For Factory Installed Accessory, Deduct</i>	-20.08	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	183.05	12.55
<i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	410.29	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	409.72	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	443.49	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	430.81	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	468.00	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	449.05	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	528.69	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	576.00	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	715.12	175.73
<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	410.16	110.46
<i>For Factory Installed Accessory, Deduct</i>	-220.92	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	443.92	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	442.78	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	478.26	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	464.44	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	502.20	130.54
<i>For Factory Installed Accessory, Deduct</i>	-261.09	
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	483.82	120.50
<i>For Factory Installed Accessory, Deduct</i>	-241.00	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	562.89	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	608.49	150.62
<i>For Factory Installed Accessory, Deduct</i>	-301.26	
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	748.18	175.73
<i>For Factory Installed Accessory, Deduct</i>	-351.46	
26 29 13 13-0322 Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory	112.20	12.55
Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	-25.10	
26 29 13 13-0324 Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	132.91	50.21
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	153.21	55.23
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	153.21	55.23
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	169.52	60.25
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	143.17	50.21
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	148.87	50.21
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	162.90	55.23
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	168.60	55.23
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	166.32	55.23
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	168.60	55.23
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	180.92	60.25
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	172.02	55.23
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	186.62	60.25
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	173.16	55.23
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	173.16	55.23
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	192.32	60.25
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	192.32	60.25
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	174.52	50.21



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	185.92	50.21
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	205.65	55.23
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	205.65	55.23
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	217.05	55.23
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	229.37	60.25
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	229.37	60.25
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	195.61	50.21
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	207.01	50.21
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	225.60	55.23
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	237.00	55.23
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	252.74	60.25
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	264.14	60.25
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	219.33	55.23
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	246.12	55.23
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	276.68	60.25
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	59.16	25.10
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	63.56	25.10
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	71.53	25.10
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	87.38	25.10
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)		
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,935.85	481.35
For NEMA 4, Add	619.09	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,332.12	641.80
For NEMA 4, Add	1,130.81	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	18,030.57	762.14
For NEMA 4, Add	2,063.90	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,826.61	932.61
For NEMA 4, Add	5,246.20	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,877.91	1,193.35
For NEMA 4, Add	8,436.28	
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,894.60	491.58
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,256.77	642.80
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,893.04	759.74
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,477.03	928.51
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,315.75	1,193.85
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0385)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0385)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	7,215.29	
26 29 13 13-0395 Factory Modifications Addition <small>(26 29 13 13-0385)</small>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400 Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401 240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,152.68	230.65
<i>For Electronic Overloads, Add</i>	130.80	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,452.90	361.01
<i>For Electronic Overloads, Add</i>	137.98	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,985.55	421.18
<i>For Electronic Overloads, Add</i>	218.48	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,958.51	521.46
<i>For Electronic Overloads, Add</i>	363.64	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,363.03	832.33
<i>For Electronic Overloads, Add</i>	701.42	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,377.81	1,042.93
<i>For Electronic Overloads, Add</i>	1,574.84	
26 29 13 13-0409 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,425.01	230.65
<i>For Electronic Overloads, Add</i>	182.54	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,725.24	361.01
<i>For Electronic Overloads, Add</i>	189.73	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,250.32	421.18
<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,102.25	521.46
<i>For Electronic Overloads, Add</i>	390.96	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,187.60	832.33
<i>For Electronic Overloads, Add</i>	858.09	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,564.07	1,042.93
<i>For Electronic Overloads, Add</i>	1,990.23	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	124.02	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0420 NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,033.65	300.85
<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,288.14	421.18
<i>For Electronic Overloads, Add</i>	275.97	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,198.00 431.20	461.29
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,979.90 734.48	561.58
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,859.45 1,175.74	832.33
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	16,747.47 2,785.07	1,042.93
26 29 13 13-0427 NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,305.99 320.53	300.85
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,560.48 327.71	421.18
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,462.78 481.51	461.29
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,123.63 761.79	561.58
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	8,684.02 1,332.41	832.33
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	15,892.63 2,622.65	1,042.93
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	124.04	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0438 NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,187.10 137.34	232.15
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,489.21 144.88	363.32
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,043.04 229.40	417.87
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,054.21 381.83	522.27
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,547.61 736.49	835.75
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	10,792.23 1,653.58	1,044.53
26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,512.29 199.12	232.15
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,815.95 206.96	363.32
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,378.82 293.20	417.87
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,289.16 426.47	522.27
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	6,597.85 936.04	835.75
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	13,515.59 2,171.02	1,044.53
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,595.12	481.35
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,511.26	641.80
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,900.31	882.47
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,747.06	1,203.38
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,602.49	1,684.73
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0466			Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467			240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468			NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,439.37	300.85
26 29 13 13-0470	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,710.97	421.18
26 29 13 13-0471	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,391.63	461.29
26 29 13 13-0472	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,538.69	561.58
26 29 13 13-0473	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,749.16	832.33
26 29 13 13-0474			NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,583.06	300.85
26 29 13 13-0476	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,864.36	421.18
26 29 13 13-0477	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,571.19	461.29
26 29 13 13-0478	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,291.48	561.58
26 29 13 13-0479	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,234.85	832.33
26 29 13 13-0480			NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,522.93	309.57
26 29 13 13-0482	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,800.13	417.87
26 29 13 13-0483	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,540.65	464.30
26 29 13 13-0484	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,785.63	557.16
26 29 13 13-0485	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	7,266.37	835.75
26 29 13 13-0486			NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,681.26	309.57
26 29 13 13-0488	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,969.14	417.87
26 29 13 13-0489	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,738.50	464.30
26 29 13 13-0490	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,513.25	557.16
26 29 13 13-0491	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,801.52	835.75
26 29 13 13-0492			NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,172.36	641.80
26 29 13 13-0494	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,457.32	802.25
26 29 13 13-0495	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,923.21	1,042.93
26 29 13 13-0496	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,704.97	1,363.82
26 29 13 13-0497	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,786.11	1,845.17
26 29 13 13-0498			Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499			Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500	EA		0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,112.04	180.50
26 29 13 13-0501	EA		0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,313.11	180.50
26 29 13 13-0502			Removal And Reinstallation Of Motor Starters (26 29 13 13)		
			Note: Includes storage and cleaning.		
26 29 13 13-0503	EA		Remove And Reinstall Motor Starter With Disconnect Up To 25 HP	716.29	
26 29 13 13-0504			Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505	EA		Auxiliary Contact, Normally Open	357.11	100.29
26 29 13 13-0506	EA		Auxiliary Contact, Normally Closed.....	357.11	100.29
26 29 13 13-0507	EA		Pilot Light Kit.....	372.90	100.29

26 30 Facility Electrical Power Generating And Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Photovoltaic Collectors (26 31)

Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0004	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,102.58	95.27
			For >50, Deduct	-91.21	
26 31 00 00-0005	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,219.51	95.27
			For >50, Deduct	-102.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0006 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,145.85	95.27
<i>For >50, Deduct</i>	-95.53	
26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)		
26 31 00 00-0008 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	928.36	95.27
<i>For >50, Deduct</i>	-73.78	
26 31 00 00-0009 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,046.46	95.27
<i>For >50, Deduct</i>	-85.59	
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,065.17	95.27
<i>For >50, Deduct</i>	-87.46	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,006.70	95.27
<i>For >50, Deduct</i>	-81.62	
26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0013 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	493.32	95.27
<i>For >50, Deduct</i>	-30.28	
26 31 00 00-0014 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	592.71	95.27
<i>For >50, Deduct</i>	-40.22	
26 31 00 00-0015 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	632.47	95.27
<i>For >50, Deduct</i>	-44.19	
26 31 00 00-0016 Photovoltaic Inverters (26 31)		
26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,977.65	100.29
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	4,736.27	100.29
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	4,876.59	100.29
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	5,917.27	100.29
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,515.03	100.29
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,561.30	100.29
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	8,608.44	200.56
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,725.37	200.56
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894)	265.98	50.14
26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA SB 4000US).....	3,082.88	100.29
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA SB 5000US).....	3,965.71	100.29
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA SB 6000US).....	4,187.87	100.29
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA SB 7000US).....	4,479.03	100.29
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA SB 8000US).....	4,876.59	100.29
26 31 00 00-0033 EA 36 KW AC Tower Photovoltaic Inverter (SMA ST36).....	24,971.68	401.12
26 31 00 00-0034 EA 42 KW AC Tower Photovoltaic Inverter (SMA ST42).....	26,953.64	401.12
26 31 00 00-0035 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0036 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,475.00	100.29
26 31 00 00-0037 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,585.13	100.29
26 31 00 00-0038 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	2,848.49	100.29
26 31 00 00-0039 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,382.24	125.35
26 31 00 00-0040 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,121.90	150.42
26 31 00 00-0041 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,155.42	150.42
26 31 00 00-0042 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,378.55	150.42
26 31 00 00-0043 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	54,503.63	802.25
26 31 00 00-0044 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	48,727.29	802.25
26 31 00 00-0045 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	60,946.48	802.25
26 31 00 00-0046 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	54,914.06	802.25
26 31 00 00-0047 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0048 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,157.03	200.56
26 31 00 00-0049 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,157.03	200.56
26 31 00 00-0050 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,391.27	200.56
26 31 00 00-0051 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,391.27	200.56
26 31 00 00-0052 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	25,538.21	601.68
26 31 00 00-0053 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,367.02	601.68
26 31 00 00-0054 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,880.60	601.68
26 31 00 00-0055 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,229.94	601.68
26 31 00 00-0056 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	29,572.33	601.68
26 31 00 00-0057 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,271.00	601.68
26 31 00 00-0058 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	31,274.78	802.25
26 31 00 00-0059 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	29,843.32	802.25
26 31 00 00-0060 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,445.97	802.25
26 31 00 00-0061 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	30,754.25	802.25

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0062 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0016)</small>		
26 31 00 00-0063 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	353.28	25.07
26 31 00 00-0064 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	383.39	25.07
26 31 00 00-0065 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	604.67	25.07
26 31 00 00-0066 Photovoltaic DC-DC Converters <small>(26 31)</small>		
26 31 00 00-0067 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	224.88	37.61
Note: Hazardous locations.		
26 31 00 00-0068 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	159.40	37.61
26 31 00 00-0069 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	393.26	37.61
26 31 00 00-0070 Photovoltaic Combiner Boxes <small>(26 31)</small>		
26 31 00 00-0071 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0070)</small>		
26 31 00 00-0072 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	284.75	100.29
26 31 00 00-0073 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	303.46	100.29
26 31 00 00-0074 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	476.25	150.42
26 31 00 00-0075 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	486.77	150.42
26 31 00 00-0076 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	692.57	150.42
26 31 00 00-0077 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0070)</small>		
26 31 00 00-0078 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	608.65	100.29
26 31 00 00-0079 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	767.67	100.29
26 31 00 00-0080 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,587.96	200.56
26 31 00 00-0081 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,478.97	200.56
26 31 00 00-0082 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	861.21	100.29
26 31 00 00-0083 Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0084 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	185.12	37.61
26 31 00 00-0085 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	237.74	37.61
26 31 00 00-0086 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	272.82	37.61
26 31 00 00-0087 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	215.53	37.61
26 31 00 00-0088 EA MPPT Charge Controller (Xantrex XW SCC).....	687.22	50.14
26 31 00 00-0089 Photovoltaic Batteries <small>(26 31)</small>		
26 31 00 00-0090 Concorde Photovoltaic Batteries <small>(26 31 00 00-0089)</small>		
26 31 00 00-0091 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	156.29	15.04
26 31 00 00-0092 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	197.87	20.06
26 31 00 00-0093 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	213.11	20.06
26 31 00 00-0094 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	249.48	30.09
26 31 00 00-0095 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	281.03	30.09
26 31 00 00-0096 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	333.12	35.09
26 31 00 00-0097 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	381.85	40.11
26 31 00 00-0098 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	377.86	40.11
26 31 00 00-0099 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	673.71	47.64
26 31 00 00-0100 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	775.48	50.14
26 31 00 00-0101 Deka Photovoltaic Batteries <small>(26 31 00 00-0089)</small>		
26 31 00 00-0102 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	170.65	25.10
26 31 00 00-0103 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	227.94	25.10
26 31 00 00-0104 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	327.33	25.10
26 31 00 00-0105 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	371.77	25.10
26 31 00 00-0106 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	372.94	25.10
26 31 00 00-0107 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	705.02	25.10
26 31 00 00-0108 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	812.59	25.10
26 31 00 00-0109 Battery Enclosures <small>(26 31 00 00-0089)</small>		
26 31 00 00-0110 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	190.46	25.07
26 31 00 00-0111 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	860.53	25.10
26 31 00 00-0112 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	810.25	25.10
26 31 00 00-0113 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,073.35	25.10
26 31 00 00-0114 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	488.70	25.10
26 31 00 00-0115 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,123.63	25.10
26 31 00 00-0116 Photovoltaic System Monitoring <small>(26 31)</small>		
26 31 00 00-0117 EA Solar Inverter Monitor (Xantrex 864-0203).....	399.86	50.14
26 31 00 00-0118 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	655.84	25.07
26 31 00 00-0119 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	631.28	25.07



Electrical	26
Facility Electrical Power Generating And Storing Equipment	26 30
Photovoltaic Collectors	26 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0120 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	103.93	25.07
26 31 00 00-0121 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	240.61	50.14
26 31 00 00-0122 EA Sunny Boy Control with RS485 (SMA)	867.48	25.07
26 31 00 00-0123 EA RS 485 Module (SMA).....	190.46	25.07
26 31 00 00-0124 EA RS 232 Module (SMA).....	190.46	25.07
26 31 00 00-0125 EA Wireless Monitor with Bluetooth (SMA Sunny Beam)	435.88	
26 31 00 00-0126 EA Bluetooth Piggy-Back Computer Card (SMA).....	244.24	25.07
26 31 00 00-0127 EA RS485-N Communication Computer Card (SMA).....	175.26	25.07
26 31 00 00-0128 EA Bluetooth Repeater (SMA).....	666.36	25.07
26 31 00 00-0129 EA Sunny Boy PC Service Cable (SMA)	229.02	7.52
26 31 00 00-0130 EA Integrated Revenue Grade Meter, Option (PVPowered)	2,999.25	
26 31 00 00-0131 EA Data Monitoring Module (PVPowered PVM1010).....	328.43	25.07
26 31 00 00-0132 EA Wireless IG Personal Display (Fronius 4,240,108)	410.15	
26 31 00 00-0133 EA DatCom Power Supply (Fronius 43,0001,2311)	113.24	
26 31 00 00-0134 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	203.32	25.07
26 31 00 00-0135 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	198.64	25.07
26 31 00 00-0136 EA Datalogger Pro Box (Fronius 4,240,102).....	818.37	25.07
26 31 00 00-0137 EA Datalogger Easy Box (Fronius 4,240,103).....	535.40	25.07
26 31 00 00-0138 EA Datalogger Interface Box (Fronius 4,240,105).....	922.44	25.07
26 31 00 00-0139 EA Datalogger Web (Fronius 4,240,122).....	1,456.81	25.07
26 31 00 00-0140 EA Interface Box (Fronius 4,240,109).....	431.33	25.07
26 31 00 00-0141 EA Interface Card (Fronius 4,240,009,Z).....	267.63	25.07
26 31 00 00-0142 EA Interface Card Easy (Fronius 4,240,013,Z).....	243.07	25.07
26 31 00 00-0143 EA Sensor Box (Fronius 4,240,104).....	818.37	25.07
26 31 00 00-0144 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	105.10	25.07
26 31 00 00-0145 EA Irradiance Sensor (Fronius 43,0001,1188)	303.88	25.07
26 31 00 00-0146 EA Module Temperature Sensor (Fronius 43,0001,1190).....	165.90	25.07
26 31 00 00-0147 EA Wind Speed Sensor (Fronius 42,0411,0027).....	192.66	50.14

26 31 00 00-0148 Photovoltaic System Accessories (26 31)

26 31 00 00-0149 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	534.37	50.14
26 31 00 00-0150 EA Line Communication Filter (Enphase LCF).....	1,063.44	100.29
26 31 00 00-0151 EA 15 Meter RS 485 Communication Cable (SMA)	130.80	7.52
26 31 00 00-0152 EA 15 Meter RS 232 Communication Cable (SMA)	130.80	7.52
26 31 00 00-0153 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.72	2.48
26 31 00 00-0154 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.89	2.48
26 31 00 00-0155 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	25.06	2.48
26 31 00 00-0156 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	27.40	2.48
26 31 00 00-0157 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	30.91	2.48
26 31 00 00-0158 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	50.12	4.96
26 31 00 00-0159 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	66.49	4.96
26 31 00 00-0160 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	81.02	7.44
26 31 00 00-0161 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	27.98	2.48
26 31 00 00-0162 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	37.92	2.48
26 31 00 00-0163 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	57.13	4.96
26 31 00 00-0164 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	74.67	4.96
26 31 00 00-0165 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	123.05	9.93
26 31 00 00-0166 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	185.61	9.93
26 31 00 00-0167 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,187.53	270.76

Note: Tamper proof enclosure.

26 31 00 00-0168 Photovoltaic Mounting Systems (26 31)

26 31 00 00-0169 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	8.82	2.50
26 31 00 00-0170 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	28.93	12.53
26 31 00 00-0171 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	34.40	12.53
26 31 00 00-0172 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	17.07	5.01
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0173 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	9.05	3.76
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0174 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	17.33	5.01
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0175 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.79	1.67
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0176 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	4.96	1.67
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0177 EA Photovoltaic Module Mount L-Foot (UNIRAC 310065)	13.07	5.01
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	75.02	25.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	80.92	25.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	86.15	25.07
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0181 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	110.57	37.61
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-foot.		

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0182	EA		44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	128.90	37.61
26 31 00 00-0183	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	145.93	37.61
26 31 00 00-0184	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	166.43	50.14
26 31 00 00-0185	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	210.95	50.14
26 31 00 00-0186	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	299.06	75.21
26 31 00 00-0187	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351)..... Note: Excludes ballast.	143.31	
26 31 00 00-0188	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	261.55	
26 31 00 00-0189	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	62.36	25.07
26 31 00 00-0190	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	62.91	25.07
26 31 00 00-0191	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	63.45	25.07
26 31 00 00-0192	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	64.76	25.07
26 31 00 00-0193	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	58.93	25.07
26 31 00 00-0194	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	59.58	25.07
26 31 00 00-0195	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	60.94	25.07
26 31 00 00-0196	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	61.71	25.07
26 31 00 00-0197	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	104.84	37.61
26 31 00 00-0198	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	105.17	37.61
26 31 00 00-0199	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	105.95	37.61
26 31 00 00-0200	EA		Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	111.22	37.61
26 31 00 00-0201	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	20.83	5.01
26 31 00 00-0202	EA		Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	14.63	5.01
26 31 00 00-0203	EA		1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	28.93	7.52
26 31 00 00-0204	EA		3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	30.24	7.52
26 31 00 00-0205	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	7.27	1.67
26 31 00 00-0206	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	31.26	5.01
26 31 00 00-0207	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.03	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA		25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	16,030.07 2,897.30 9,090.54 7,377.03 14,267.57	845.39
26 32 13 13-0003	EA		35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	20,191.77 2,897.30 9,090.54 7,377.03 14,267.57	1,040.89
26 32 13 13-0004	EA		40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	20,841.10 2,897.30 9,090.54 7,377.03 14,267.57	1,141.28
26 32 13 13-0005	EA		50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	22,422.25 2,897.30 9,090.54 7,377.03 14,267.57	1,310.36
26 32 13 13-0006	EA		60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	24,024.92 2,897.30 9,090.54 7,377.03 14,267.57	1,505.86
26 32 13 13-0007	EA		80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,826.77 2,897.30 9,090.54 7,377.03 14,267.57	1,764.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	31,278.72 4,394.59 13,898.65 9,464.86 15,171.62	2,050.08
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	32,605.69 4,394.59 13,898.65 9,464.86 15,171.62	2,430.51
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	35,924.03 4,394.59 13,898.65 9,464.86 15,171.62	2,678.84
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	41,533.78 4,394.59 13,898.65 9,464.86 15,171.62	2,990.59
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	44,436.46 4,394.59 13,898.65 9,464.86 15,171.62	3,275.90
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	49,684.33 4,394.59 13,898.65 9,464.86 15,171.62	3,460.84
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	51,901.08 28,500.00 42,077.03 34,566.22 51,433.78	3,603.49
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	56,492.27 28,500.00 42,077.03 34,566.22 51,433.78	3,798.99
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	57,684.00 28,500.00 42,077.03 34,566.22 51,433.78	3,968.08
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	65,501.39 28,500.00 42,077.03 34,566.22 51,433.78	4,438.32
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	70,858.90 28,500.00 42,077.03 34,566.22 51,433.78	4,861.02
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	80,268.84 28,500.00 42,077.03 34,566.22 51,433.78	5,236.17
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	84,750.34 28,500.00 42,077.03 34,566.22 51,433.78	5,579.60
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	122,574.12 58,220.27 93,481.08 68,478.38 108,904.05	6,144.96
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	140,166.57 58,220.27 93,481.08 68,478.38 108,904.05	6,757.88
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	146,271.99 58,220.27 93,481.08 68,478.38 108,904.05	6,905.82
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	177,827.80 58,220.27 93,481.08 68,478.38 108,904.05	7,444.76

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD).....	198,159.87	7,925.58
For Weather Resistant Steel Diesel Generator Enclosure, Add	58,220.27	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	93,481.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	68,478.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	108,904.05	
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)		
26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	12,814.17	708.02
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	14,478.72	845.39
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	15,496.79	940.50
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,854.05	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,735.14	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	16,869.29	1,040.89
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	17,395.31	1,141.28
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	17,958.86	1,231.11
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	19,571.14	1,505.86
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	20,841.80	1,685.50
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,635.14	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	8,072.97	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	24,860.09	1,801.75
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,802.70	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	26,994.83	2,028.95
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,802.70	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	33,801.83	2,430.51
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,802.70	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	38,446.76	2,678.84
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,802.70	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,550.00	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	91,495.83	7,125.52
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	25,629.73	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	37,828.38	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	28,022.97	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	42,051.35	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	97,480.77	3,217.78
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	25,629.73	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	37,828.38	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	28,022.97	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	42,051.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	98,823.55 25,629.73 37,828.38 28,022.97 42,051.35	3,603.49
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	135,489.19 25,629.73 37,828.38 28,022.97 42,051.35	3,968.08
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	137,000.50 25,629.73 37,828.38 28,022.97 42,051.35	4,438.32
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	192,193.49 55,963.51 79,281.08 63,564.86 89,839.19	5,236.17
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	261,084.20 55,963.51 79,281.08 63,564.86 89,839.19	5,579.60
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	274,717.91 55,963.51 79,281.08 63,564.86 89,839.19	5,880.77
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	312,757.89 55,963.51 79,281.08 63,564.86 89,839.19	6,144.96
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	326,999.34 55,963.51 79,281.08 63,564.86 89,839.19	6,377.45
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	345,873.47 55,963.51 79,281.08 63,564.86 89,839.19	6,816.00
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,224.00	462.50
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,027.77	513.89
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,657.31	578.66
26 32 13 26 AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	5,054.42	200.56
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,124.80	200.56
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,066.27	200.56
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,128.57	200.56
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,043.60	250.70
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,779.05	250.70
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,231.31	250.70
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,480.09	330.93
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,843.55	330.93
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	5,829.32	200.56
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,923.18	200.56
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	7,897.67	200.56
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,112.76	200.56
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,206.33	250.70
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,106.62	250.70
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,434.19	250.70
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,431.49	330.93
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,173.27	330.93
26 32 29 Rotary Converters (26 32)		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	16,727.60	3,698.61
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	18,760.58	3,698.61
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,445.23	5,283.71
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,770.54	5,283.71
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	27,907.22	5,283.71
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,087.78	7,925.58
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	40,481.31	7,925.58
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0010 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	56,979.78	10,567.44
26 32 29 00-0011 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	62,178.09	10,567.44
26 32 29 00-0012 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	74,681.51	13,737.67
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	85,057.54	16,696.55
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	100,318.26	16,696.55
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	141,721.13	24,939.15
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	147,468.22	24,939.15
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	169,221.11	29,060.45
26 33 Battery Equipment <small>(26 30)</small>		
26 33 13 Batteries <small>(26 33)</small>		
26 33 13 00-0001 Standby Batteries <small>(26 33 13)</small>		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	619.37	25.10
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	667.60	25.10
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	197.96	25.10
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	181.71	25.10
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	297.58	25.10
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	342.48	25.10
26 33 43 Battery Chargers <small>(26 33)</small>		
26 33 43 00-0001 Solid State Chargers, Single Phase <small>(26 33 43)</small>		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,107.47	572.99
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,426.17	572.99
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,665.00	572.99
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,836.71	678.42
26 33 53 Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	823.14	99.27
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	981.52	115.82
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,203.33	132.37
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)	1,462.02	148.92
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	1,860.11	165.47
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	3,053.79	231.65
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)	3,001.69	231.65
Note: Includes 4 minutes of battery backup at full load.		



Electrical	26	26
Facility Electrical Power Generating And Storing Equipment	26 30	
Battery Equipment	26 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	4,449.85	264.74
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)	4,871.43	297.83
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)	7,233.56	364.02
Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208)	8,301.78	397.11
Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230)	981.52	115.82
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230)	1,203.33	132.37
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230)	1,477.41	148.92
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230)	1,863.82	165.47
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230)	3,065.36	231.65
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230)	4,275.86	264.74
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230)	5,233.17	297.83
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)	8,053.06	397.11
Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)	657.73	66.18
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)	814.24	66.18
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)	897.11	99.27
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)	790.87	132.37
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	708.67	99.27
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	808.94	132.37
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA 30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E)	21,204.48	860.41
For 208/208 Volt AC, Add	795.73	
For MBC 2-Breaker, Add	4,056.74	
For 34 Minute Battery, Add	10,471.59	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0037	EA		40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E)	25,291.05	1,058.97
			<i>For 208/208 Volt AC, Add</i>	888.26	
			<i>For MBC 2-Breaker, Add</i>	4,551.96	
			<i>For 23 Minute Battery, Add</i>	11,289.02	
			<i>For 37 Minute Battery, Add</i>	12,893.47	
26 33 53 00-0038	EA		50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E)	28,006.20	1,323.71
			<i>For 208/208 Volt AC, Add</i>	1,003.24	
			<i>For MBC 2-Breaker, Add</i>	4,551.96	
			<i>For 18 Minute Battery, Add</i>	10,672.15	
			<i>For 28 Minute Battery, Add</i>	13,053.92	
			<i>For 35 Minute Battery, Add</i>	13,818.62	
26 33 53 00-0039	EA		65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E)	31,939.11	1,654.64
			<i>For 208/208 Volt AC, Add</i>	1,161.62	
			<i>For MBC 2-Breaker, Add</i>	5,573.39	
			<i>For 12 Minute Battery, Add</i>	11,748.51	
			<i>For 19 Minute Battery, Add</i>	13,421.73	
			<i>For 25 Minute Battery, Add</i>	14,178.27	
			<i>For 30 Minute Battery, Add</i>	18,799.69	
26 33 53 00-0040	EA		80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E)	34,171.73	1,985.57
			<i>For 208/208 Volt AC, Add</i>	1,161.62	
			<i>For MBC 3-Breaker, Add</i>	5,573.39	
			<i>For 15 Minute Battery, Add</i>	13,572.15	
			<i>For 19 Minute Battery, Add</i>	15,459.02	
			<i>For 33 Minute Battery, Add</i>	25,061.76	
26 33 53 00-0041	EA		100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E)	37,051.49	2,316.49
			<i>For 208/208 Volt AC, Add</i>	1,298.62	
			<i>For MBC 3-Breaker, Add</i>	6,009.58	
			<i>For 11 Minute Battery, Add</i>	14,386.96	
			<i>For 17 Minute Battery, Add</i>	21,416.21	
			<i>For 25 Minute Battery, Add</i>	25,937.64	
			<i>For 35 Minute Battery, Add</i>	29,227.47	
26 33 53 00-0042	EA		130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E)	40,514.55	2,647.43
			<i>For 208/208 Volt AC, Add</i>	1,366.18	
			<i>For MBC 3-Breaker, Add</i>	6,532.17	
			<i>For 11 Minute Battery, Add</i>	19,892.47	
			<i>For 17 Minute Battery, Add</i>	23,869.94	
			<i>For 25 Minute Battery, Add</i>	31,743.56	
			<i>For 30 Minute Battery, Add</i>	38,180.41	
26 33 53 00-0043	EA		225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK)	51,115.33	2,978.35
			<i>For Customer Alarm Interface, Add</i>	393.61	
			<i>For Alarm Status Contacts, Add</i>	474.19	
			<i>For Maintenance Bypass Interface, Add</i>	554.77	
			<i>For Communication Interface, Add</i>	619.86	
			<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
			<i>For SNMP, Add</i>	976.29	
			<i>For Load Bus Sync Board, Add</i>	1,456.68	
			<i>For Input Filter with Disconnect, Add</i>	1,907.94	
			<i>For Isolation Transformer, Add</i>	6,260.63	
			<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
			<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
			<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
			<i>For VRLA 12 Minute Battery, Add</i>	33,634.85	
			<i>For VRLA 14 Minute Battery, Add</i>	36,180.02	
			<i>For VRLA 22 Minute Battery, Add</i>	45,326.74	
			<i>For VRLA 37 Minute Battery, Add</i>	67,358.34	
26 33 53 00-0044	EA		300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA)	65,362.80	3,309.28
			<i>For Customer Alarm Interface, Add</i>	393.61	
			<i>For Alarm Status Contacts, Add</i>	474.19	
			<i>For Maintenance Bypass Interface, Add</i>	554.77	
			<i>For Communication Interface, Add</i>	619.86	
			<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
			<i>For SNMP, Add</i>	976.29	
			<i>For Load Bus Sync Board, Add</i>	1,456.68	
			<i>For Input Filter with Disconnect, Add</i>	2,083.36	
			<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
			<i>For Isolation Transformer, Add</i>	7,351.60	
			<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
			<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
			<i>For VRLA 14 Minute Battery, Add</i>	45,386.91	
			<i>For VRLA 17 Minute Battery, Add</i>	53,883.95	
			<i>For VRLA 26 Minute Battery, Add</i>	67,428.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	102,117.14	3,971.13
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	72,754.27	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	470.97	50.14
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	745.56	50.14
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,473.75	100.29
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,659.19	401.12
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	326.91	50.14
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	182.76	50.14
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	203.80	50.14
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	224.83	50.14
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	262.69	50.14
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	275.31	50.14
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	340.52	50.14
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	356.29	50.14
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,178.12	91.67
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,877.81	183.36
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	20.29	5.50
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	34.40	6.87
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	60.22	6.87
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	87.53	9.17
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	121.61	9.17
26 33 53 00-0067 EA Uninterrupted Power Supply Remote Status Panel.....	2,197.08	91.67
26 33 53 00-0068 EA Uninterrupted Power Supply Remote Contact Board.....	757.11	68.76
26 35 Power Filters And Conditioners <small>(26 30)</small>		
26 35 33 Power Factor Correction Equipment <small>(26 35)</small>		
26 35 33 00-0001 Power Factor Correction Capacitors <small>(26 35 33)</small>		
26 35 33 00-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	413.06	
26 35 33 00-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	457.47	
26 35 33 00-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	501.89	
26 35 33 00-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	544.53	
26 35 33 00-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	668.89	
26 35 33 00-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	817.23	
26 35 33 00-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	1,262.27	
26 35 33 00-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	1,533.20	
26 35 33 00-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	1,980.90	
26 35 33 00-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	2,252.72	
26 35 33 00-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	3,952.92	
26 35 33 00-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	5,943.59	
26 35 33 00-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	7,925.38	
26 35 33 00-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	367.75	
26 35 43 Static-Frequency Converters <small>(26 35)</small>		
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure <small>(26 35 43)</small>		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	431.84	100.29
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	724.79	120.33
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	834.80	160.45
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,137.43	200.56

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 35 Power Filters And Conditioners**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,554.77	260.73
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,996.86	320.90
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,488.45	381.06
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,009.48	431.21
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,511.73	521.46
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,013.35	586.65
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,514.96	651.83
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,590.10	787.21
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,210.38	947.65
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,106.52	1,153.23
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,438.12	1,348.78
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,273.50	1,504.22
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,862.14	1,704.78
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	29,173.27	1,905.34
26 35 53 Voltage Regulators (26 35)		
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53) Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	4,869.18	1,594.47
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	5,698.92	2,005.62
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	6,462.96	2,386.69
26 36 Transfer Switches (26 30)		
26 36 13 Manual Transfer Switches (26 36)		
26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)		
26 36 13 00-0002 EA 30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,112.88	175.49
26 36 13 00-0003 EA 60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,297.17	218.01
26 36 23 Automatic Transfer Switches (26 36)		
26 36 23 00-0001 Automatic Transfer Switch (26 36 23)		
26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001) Note: Programmable, 120/240 volt single phase, 3 wire.		
26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	1,869.44	359.72
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,524.99	462.50
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,933.32	616.66
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	8,541.66	770.84
26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	2,856.69	256.95
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	3,305.73	308.33
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	3,647.63	359.72
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	4,328.36	411.11
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	4,937.86	462.50
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	5,451.34	513.89
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	5,714.56	565.28
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	6,447.94	616.66
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	8,788.11	770.84
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	



Electrical	26	26
Facility Electrical Power Generating And Storing Equipment	26 30	
Transfer Switches	26 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,894.92	925.00
For NEMA 3R Enclosure, Add	979.73	
For NEMA 4 Enclosure, Add	1,081.09	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,825.27	1,233.33
For NEMA 3R Enclosure, Add	979.73	
For NEMA 4 Enclosure, Add	1,081.09	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,494.77	1,336.11
For NEMA 3R Enclosure, Add	2,162.17	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	1,013.52	
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,652.33	1,541.67
For NEMA 3R Enclosure, Add	3,513.52	
For NEMA 4 Enclosure, Add	4,324.33	
For NEMA 12 Enclosure, Add	3,513.52	
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	20,174.45	1,747.22
For NEMA 3R Enclosure, Add	3,513.52	
For NEMA 4 Enclosure, Add	4,324.33	
For NEMA 12 Enclosure, Add	3,513.52	
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	24,392.99	2,158.34
For NEMA 3R Enclosure, Add	3,513.52	
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	41,669.90	2,569.44
For NEMA 3R Enclosure, Add	16,513.52	
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	14,644.40	1,952.78
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	641.90	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	15,297.33	2,055.55
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	641.90	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	16,038.13	2,158.34
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	641.90	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	17,781.71	2,209.72
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	641.90	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	20,350.62	2,261.11
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	641.90	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	24,226.32	2,363.90
For NEMA 3R Enclosure, Add	1,182.44	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	26,624.45	2,466.67
For NEMA 3R Enclosure, Add	1,216.22	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	743.25	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	33,321.94	2,877.78
For NEMA 3R Enclosure, Add	1,216.22	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	743.25	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	43,070.67	3,083.33
For NEMA 3R Enclosure, Add	5,405.41	
For NEMA 4 Enclosure, Add	6,756.76	
For NEMA 12 Enclosure, Add	5,405.41	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	55,804.63	3,288.89
For NEMA 3R Enclosure, Add	11,486.49	
For NEMA 4 Enclosure, Add	11,486.49	
For NEMA 12 Enclosure, Add	10,702.71	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	63,291.69	3,597.23
For NEMA 3R Enclosure, Add	11,486.49	
For NEMA 4 Enclosure, Add	11,486.49	
For NEMA 12 Enclosure, Add	10,702.71	
26 36 23 00-0036 EA 3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	100,358.64	4,111.12
For NEMA 3R Enclosure, Add	14,189.19	
26 36 23 00-0037 EA 4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	108,425.39	4,625.01
For NEMA 3R Enclosure, Add	14,189.19	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	4,561.44	256.95
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0040 EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	4,951.64	308.33
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0041 EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,341.24	359.72
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,401.69	411.11
For Four Pole Circuit Breaker, Add	1,689.19	
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,290.99	462.50
For Four Pole Circuit Breaker, Add	1,689.19	
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	8,840.40	513.89
For Four Pole Circuit Breaker, Add	1,689.19	
For NEMA 3R Enclosure, Add	337.84	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,212.65	565.28
For Four Pole Circuit Breaker, Add	2,297.30	
For NEMA 3R Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0046 EA 400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	10,411.24	616.66
For Four Pole Circuit Breaker, Add	2,297.30	
For NEMA 3R Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0047 EA 600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	12,646.72	770.84
For Four Pole Circuit Breaker, Add	2,297.30	
For NEMA 3R Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0048 EA 800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	13,249.91	925.00
For Four Pole Circuit Breaker, Add	3,277.03	
For NEMA 3R Enclosure, Add	1,513.52	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0049 EA 1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	15,724.34	1,233.33
For Four Pole Circuit Breaker, Add	3,277.03	
For NEMA 3R Enclosure, Add	1,513.52	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch.....	156.76	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch.....	1,283.79	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch.....	466.22	
26 36 33 Non-Automatic Transfer Switches <small>(26 36)</small>		
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 33)</small>		
26 36 33 00-0002 EA 40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,973.34	256.95
For NEMA 3R Enclosure, Add	574.33	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0003 EA 70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,202.48	308.33
For NEMA 3R Enclosure, Add	574.33	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0004 EA 125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,506.59	359.72
For NEMA 3R Enclosure, Add	574.33	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0005 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,388.02	411.11
For NEMA 3R Enclosure, Add	675.68	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	3,790.62	462.50
For NEMA 3R Enclosure, Add	675.68	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,257.64	513.89
For NEMA 3R Enclosure, Add	675.68	
For NEMA 12 Enclosure, Add	540.54	
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	4,731.48	565.28
For NEMA 3R Enclosure, Add	797.30	
For NEMA 12 Enclosure, Add	675.68	
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,523.09	616.66
For NEMA 3R Enclosure, Add	797.30	
For NEMA 12 Enclosure, Add	675.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	7,274.15 797.30 675.68	770.84
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	8,223.00 979.73 945.95	925.00
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,870.88 979.73 945.95	1,233.33

26 40 Electrical And Cathodic Protection ⁽²⁶⁾

26 41 Facility Lightning Protection ^(26 40)

26 41 13 Lightning Protection For Structures ^(26 41)

26 41 13 00-0001 Lightning Protection ^(26 41 13)

26 41 13 00-0002 Air Terminals For Lightning Protection ^(26 41 13 00-0001)

26 41 13 00-0003 Copper Lightning Protection Air Terminals ^(26 41 13 00-0002)

26 41 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal	54.57	10.03
26 41 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal	67.96	10.03
26 41 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal	88.09	10.03
26 41 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal	98.00	10.03
26 41 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal	189.38	20.06

26 41 13 00-0009 Aluminum Lightning Protection Air Terminals ^(26 41 13 00-0002)

26 41 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal	32.64	10.03
26 41 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal	42.20	10.03
26 41 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal	51.31	10.03
26 41 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal	57.39	10.03
26 41 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal	105.81	20.06

26 41 13 00-0015 Terminal Bases For Lightning Protection ^(26 41 13 00-0001)

26 41 13 00-0016 Copper Lightning Protection Terminal Bases ^(26 41 13 00-0015)

26 41 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal	76.71	30.09
26 41 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal	102.65	40.11
26 41 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal	137.77	50.14
26 41 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal	102.65	40.11
26 41 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal	109.02	40.11
26 41 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal	194.23	80.23
26 41 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal	136.10	50.14
26 41 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal	76.71	30.09

26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(26 41 13 00-0015)

26 41 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal	62.65	30.09
26 41 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal	93.37	40.11
26 41 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal	120.69	50.14
26 41 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal	93.50	40.11
26 41 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal	95.36	40.11
26 41 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal	176.45	80.23
26 41 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal	133.59	50.14
26 41 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal	62.65	30.09

26 41 13 00-0034 Connectors ^(26 41 13 00-0001)

26 41 13 00-0035 Copper Cable Connectors ^(26 41 13 00-0034)

26 41 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System	154.64	50.14
26 41 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	211.45	80.23
26 41 13 00-0038 EA Beam Connector For Copper Lightning Protection System	138.93	50.14
26 41 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	32.99	10.03
26 41 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System	33.73	10.03
26 41 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal	102.73	30.09

26 41 13 00-0042 Aluminum Cable Connectors ^(26 41 13 00-0034)

26 41 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System	126.39	50.14
26 41 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	184.07	80.23
26 41 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System	122.41	50.14
26 41 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System	26.56	10.03
26 41 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal	79.07	30.09

26 41 13 00-0048 Bonding Plates ^(26 41 13 00-0001)

26	Electrical
26 40	Electrical And Cathodic Protection
26 41	Facility Lightning Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0049	Copper Bonding Plates (26 41 13 00-0048)	
26 41 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System	123.75	50.14
26 41 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	127.64	50.14
26 41 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	188.00	80.23
26 41 13 00-0053	Aluminum Bonding Plates (26 41 13 00-0048)	
26 41 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	113.79	50.14
26 41 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	115.91	50.14
26 41 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	171.02	80.23
26 41 13 00-0057	Cable Supports (26 41 13 00-0001)	
26 41 13 00-0058	Copper Cable Supports (26 41 13 00-0057)	
26 41 13 00-0059 EA Cable Supports For Copper Lightning Protection System	21.94	10.03
26 41 13 00-0060 EA Adhesive Cable Supports For Copper Lightning Protection System	23.17	10.03
26 41 13 00-0061	Aluminum Cable Supports (26 41 13 00-0057)	
26 41 13 00-0062 EA Cable Supports For Aluminum Lightning Protection System	21.65	10.03
26 41 13 00-0063 EA Adhesive Cable Supports For Aluminum Lightning Protection System	22.05	10.03
26 41 13 00-0064	Bonding Straps (26 41 13 00-0001)	
26 41 13 00-0065	Copper Bonding Straps (26 41 13 00-0064)	
26 41 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	65.01	30.09
26 41 13 00-0067	Aluminum Bonding Straps (26 41 13 00-0064)	
26 41 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	58.14	30.09
26 41 13 00-0069	Accessories For Lightning Protection (26 41 13 00-0001)	
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070	Copper Adapters (26 41 13 00-0069)	
26 41 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System	24.55	5.01
26 41 13 00-0072	Aluminum Adapters (26 41 13 00-0069)	
26 41 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System	17.94	5.01
26 41 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System	156.26	50.14
26 41 23	Lightning Protection Surge Arresters And Suppressors (26 41)	
26 41 23 00-0001	Surge And Lightning Arrestors (26 41 23)	
26 41 23 00-0002	Metal Top Intermediate Type IMX (26 41 23 00-0001)	
Note: For outdoor construction, single phase.		
26 41 23 00-0003 EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	955.95	217.28
26 41 23 00-0004 EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,037.05	217.28
26 41 23 00-0005 EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,037.05	217.28
26 41 23 00-0006 EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,187.68	217.28
26 41 23 00-0007 EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,187.68	217.28
26 41 23 00-0008 EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,312.81	217.28
26 41 23 00-0009 EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,312.81	217.28
26 41 23 00-0010 EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,792.22	271.60
26 41 23 00-0011 EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,857.10	271.60
26 41 23 00-0012 EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,039.53	325.92
26 41 23 00-0013 EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,206.38	325.92
26 41 23 00-0014 EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,625.81	325.92
26 41 23 00-0015	Porcelain Top Intermediate Type IMX (26 41 23 00-0001)	
Note: For cubicle mounting, single phase.		
26 41 23 00-0016 EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	955.95	217.28
26 41 23 00-0017 EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,037.05	217.28
26 41 23 00-0018 EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,037.05	217.28
26 41 23 00-0019 EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,187.68	217.28
26 41 23 00-0020 EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,187.68	217.28
26 41 23 00-0021 EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,312.81	217.28
26 41 23 00-0022 EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,312.81	217.28
26 41 23 00-0023 EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,792.22	271.60
26 41 23 00-0024 EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,857.10	271.60
26 41 23 00-0025 EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,039.53	325.92
26 41 23 00-0026 EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,206.38	325.92
26 41 23 00-0027 EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,625.81	325.92



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Facility Lightning Protection	26 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 23 00-0028 IMX Accessories <small>(26 41 23 00-0001)</small>		
26 41 23 00-0029 EA 1 Crossarm Bracket Reversible 3-27 KV IMX	789.10	217.28
26 41 23 00-0030 EA Single Unit Horizontal Pole Mounted Bracket (IMX)	779.84	217.28
26 41 23 00-0031 EA 3 Unit Horizontal Pole Mounted Bracket (IMX)	710.41	217.28
26 41 23 00-0032 Lightning Arrestor And Cutouts <small>(26 41 23 00-0001)</small>		
26 41 23 00-0033 EA 3 KV La Distribution Class, Lightning Arrestor	529.57	217.28
26 41 23 00-0034 EA 3 KV La Interior Class, Lightning Arrestor.....	1,017.68	217.28
26 41 23 00-0035 EA 3 KV La Station Class, Lightning Arrestor.....	955.95	217.28
26 41 23 00-0036 EA 9 KV La Distribution Class, Lightning Arrestor.....	580.55	217.28
26 41 23 00-0037 EA 9 KV La Interior Class, Lightning Arrestor.....	1,152.83	217.28
26 41 23 00-0038 EA 9 KV La Station Class, Lightning Arrestor.....	1,187.68	217.28
26 41 23 00-0039 EA 5 KV Enclosed Fused Cutout.....	659.80	217.28
26 41 23 00-0040 EA 15 KV Open Fused Cutout.....	712.36	271.60
26 41 23 00-0041 EA 18 KV La Distribution Class, Lightning Arrestor	553.73	217.28
26 41 23 00-0042 EA 18 KV La Interior Class, Lightning Arrestor.....	1,225.06	217.28
26 43 Surge Protective Devices <small>(26 40)</small>		
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits <small>(26 43)</small>		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	202.52	25.07
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	217.98	25.07
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	228.01	30.09
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	188.07	20.06
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	228.01	30.09
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	278.71	25.07
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	297.57	30.09
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	287.54	25.07
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	297.57	30.09
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	336.13	25.07
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	354.99	30.09
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	312.85	20.06
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	354.99	30.09
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	395.75	25.07
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	446.64	30.09
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	373.58	20.06
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	695.09	30.09
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	685.06	25.07
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	695.09	30.09
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	3,996.26	50.14
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,879.62	50.14
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,246.11	130.36
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,581.71	150.42
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,223.56	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,942.15	200.56
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,268.10	275.77
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,385.98	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,735.36	150.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,460.94	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,250.44	200.56
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,743.83	275.77
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,385.98	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,735.36	150.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,460.89	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,250.44	200.56
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,743.83	275.77
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,525.87	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,890.99	150.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,700.27	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,560.77	200.56
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,221.50	275.77
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,688.38	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,052.56	150.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,950.45	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,885.80	200.56
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,045.65	275.77
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶		
^{43 13 00-0028)}		
Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,536.98	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,063.67	150.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,480.91	175.49
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,616.76	130.36
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,181.87 265.68 203.04	150.42
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,635.55 265.68 203.04	175.49
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,616.76 265.68 203.04	130.36
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,181.87 265.68 203.04	150.42
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,635.55 265.68 203.04	175.49
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,718.21 265.68 203.04	130.36
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,308.93 265.68 203.04	150.42
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,833.52 265.68 203.04	175.49
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,824.59 265.68 203.04	130.36
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,443.86 265.68 203.04	150.42
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,041.34 265.68 203.04	175.49
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,176.88 265.68 203.04	130.36
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,512.49 265.68 203.04	150.42
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,154.33 265.68 203.04	175.49
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,316.75 265.68 203.04	130.36
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,666.14 265.68 203.04	150.42
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,391.71 265.68 203.04	175.49
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,316.75 265.68 203.04	130.36
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,666.14 265.68 203.04	150.42
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,391.66 265.68 203.04	175.49
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,456.64 265.68 203.04	130.36
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,821.76 265.68 203.04	150.42
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,631.05 265.68 203.04	175.49
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,619.16 265.68 203.04	130.36
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,983.34 265.68 203.04	150.42
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,881.22 265.68 203.04	175.49

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0087			NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
			Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,467.75	130.36
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,994.45	150.42
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,411.69	175.49
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,547.53	130.36
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,112.64	150.42
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,566.32	175.49
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,547.53	130.36
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,112.64	150.42
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,566.32	175.49
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,648.99	130.36
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,239.70	150.42
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,764.29	175.49
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	3,755.36	130.36
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,374.64	150.42
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,972.11	175.49
			For Integral Disconnect, Add	265.68	
			For Surge Counter, Add	203.04	

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts (26 51)

26 51 13 00-0001 Interior Lighting Accessories (26 51 13)

26 51 13 00-0002	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add	0.92	
			Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		

26 51 13 00-0003 Lighting Accessories (26 51 13)

26 51 13 00-0004 Photocells (26 51 13 00-0003)

26 51 13 00-0005	EA		Plug-In Photocell For Lighting Fixtures	67.63	
26 51 13 00-0006	EA		Wired Photocell For Lighting Fixtures	171.51	

26 51 13 00-0007 Supports For Light Fixtures (26 51 13 00-0003)

26 51 13 00-0008	EA		Bracket For Mounting Light Fixture On Wall	98.99	
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26 51 13 00-0009 Modular Flexible Wiring Systems (26 51 13 00-0003)

26 51 13 00-0010	EA		10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	59.14	5.42
26 51 13 00-0011	EA		15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	66.75	5.42
26 51 13 00-0012	EA		20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	79.59	5.42
26 51 13 00-0013	EA		15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	66.75	5.42
26 51 13 00-0014	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	62.81	5.42
26 51 13 00-0015	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	88.66	5.42



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0016 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	50.92	5.42
26 51 13 00-0017 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	56.64	5.42
26 51 13 00-0018 EA 7" Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	69.24	5.42
26 51 13 00-0019 EA 7" Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	69.24	5.42
26 51 13 00-0020 EA 7" Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	70.32	5.42
26 51 13 00-0021 EA 7" Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	69.92	5.42
26 51 13 00-0022 EA 7" Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	69.92	5.42
26 51 13 00-0023 EA 15" Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	79.54	5.42
26 51 13 00-0024 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	39.51	5.42
26 51 13 00-0025 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	37.26	5.42
26 51 13 00-0026 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	38.04	5.42
26 51 13 00-0027 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LJ-27-3E).....	46.37	5.42
26 51 13 00-0028 EA 15" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	59.14	5.42
26 51 13 00-0029 EA 15" Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	60.49	5.42
26 51 13 00-0030 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	48.44	5.42
26 51 13 00-0031 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	37.26	5.42
26 51 13 00-0032 EA Remove And Reinstall Of Modular Wiring Complete Including Storage And Cleaning.....	45.12	
26 51 13 00-0033 Fluorescent Fixtures (26 51 13)		
26 51 13 00-0034 Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0033)		
26 51 13 00-0035 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0034)		
26 51 13 00-0036 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	106.19	28.69
26 51 13 00-0037 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	117.32	28.69
26 51 13 00-0038 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0034)		
26 51 13 00-0039 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	118.38	29.88
26 51 13 00-0040 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	130.57	29.88
26 51 13 00-0041 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0034)		
26 51 13 00-0042 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	140.19	33.55
26 51 13 00-0043 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	162.63	33.55
26 51 13 00-0044 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	187.30	33.55
26 51 13 00-0045 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0034)		
26 51 13 00-0046 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	120.04	36.67
26 51 13 00-0047 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	135.43	36.67
26 51 13 00-0048 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 13 00-0034)		
26 51 13 00-0049 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	179.09	42.72
26 51 13 00-0050 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	190.98	42.72
26 51 13 00-0051 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	213.39	42.72
26 51 13 00-0052 Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0033)		
Note: Includes prismatic lens.		
26 51 13 00-0053 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0052)		
26 51 13 00-0054 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	139.51	33.28
26 51 13 00-0055 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	213.80	33.28
26 51 13 00-0056 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	241.12	33.28
26 51 13 00-0057 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0052)		
26 51 13 00-0058 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	208.04	36.67
26 51 13 00-0059 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	225.35	36.67
26 51 13 00-0060 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	237.91	36.67
26 51 13 00-0061 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0052)		
26 51 13 00-0062 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	214.51	42.72
26 51 13 00-0063 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	232.97	42.72
26 51 13 00-0064 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	243.24	42.72
26 51 13 00-0065 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	259.01	42.72
26 51 13 00-0066 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0052)		
26 51 13 00-0067 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	407.14	55.01
26 51 13 00-0068 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	413.77	55.01
26 51 13 00-0069 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	677.33	55.01
26 51 13 00-0070 Recessed Fluorescent Fixtures (26 51 13 00-0033)		

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0071 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0070)		
26 51 13 00-0072 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0073 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	131.77 19.39	28.69
26 51 13 00-0074 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0075 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	168.21 22.69	33.28
26 51 13 00-0076 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	285.10 22.69	33.28
26 51 13 00-0077 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0078 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	172.34 24.75	36.67
26 51 13 00-0079 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	193.37 24.75	36.67
26 51 13 00-0080 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	196.23 24.76	36.67
26 51 13 00-0081 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	210.28 24.75	36.67
26 51 13 00-0082 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0071)		
26 51 13 00-0083 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	173.22 28.88	42.72
26 51 13 00-0084 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	227.05 28.88	42.72
26 51 13 00-0085 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	230.37 28.88	42.72
26 51 13 00-0086 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	254.49 28.88	42.72
26 51 13 00-0087 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	223.16 28.88	42.72
26 51 13 00-0088 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	292.65 28.88	42.72
26 51 13 00-0089 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	300.58 28.88	42.72
26 51 13 00-0090 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0070)		
26 51 13 00-0091 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0092 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	148.35 19.39	28.69
26 51 13 00-0093 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	151.20 19.39	28.69
26 51 13 00-0094 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	173.48 19.39	28.69
26 51 13 00-0095 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0096 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	169.34 22.69	33.28
26 51 13 00-0097 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	172.65 22.69	33.28
26 51 13 00-0098 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	191.93 22.69	33.28
26 51 13 00-0099 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0100 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	176.56 24.76	36.67
26 51 13 00-0101 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	179.42 24.76	36.67
26 51 13 00-0102 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	201.38 24.76	36.67
26 51 13 00-0103 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0090)		
26 51 13 00-0104 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	173.22 28.88	42.72
26 51 13 00-0105 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	197.02 28.88	42.72
26 51 13 00-0106 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	219.68 28.88	42.72
26 51 13 00-0107 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	245.75 28.88	42.72



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0108 Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0109 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0110 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	291.17 22.69	33.28
26 51 13 00-0111 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	294.49 22.69	33.28
26 51 13 00-0112 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	341.73 22.69	33.28
26 51 13 00-0113 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	349.66 22.69	33.28
26 51 13 00-0114 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0115 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	240.83 24.75	36.67
26 51 13 00-0116 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	265.76 24.75	36.67
26 51 13 00-0117 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	321.52 24.75	36.67
26 51 13 00-0118 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 13 00-0108)</small>		
26 51 13 00-0119 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	271.33 28.88	42.72
26 51 13 00-0120 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	327.10 28.88	42.72
26 51 13 00-0121 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	344.51 28.88	42.72
26 51 13 00-0122 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	377.55 28.88	42.72
26 51 13 00-0123 Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0124 1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0125 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	232.81 22.69	33.28
26 51 13 00-0126 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	298.81 22.69	33.28
26 51 13 00-0127 2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0128 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	234.76 24.75	36.67
26 51 13 00-0129 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	264.27 24.75	36.67
26 51 13 00-0130 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0123)</small>		
26 51 13 00-0131 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	262.16 28.88	42.72
26 51 13 00-0132 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	262.65 28.88	42.72
26 51 13 00-0133 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0070)</small>		
26 51 13 00-0134 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0135 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	221.17 22.69	33.28
26 51 13 00-0136 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0137 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	215.53 24.75	36.67
26 51 13 00-0138 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0133)</small>		
26 51 13 00-0139 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	258.85 28.88	42.72
26 51 13 00-0140 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	329.44 28.88	42.72
26 51 13 00-0141 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	293.58 28.88	42.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0142			Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0070)		
26 51 13 00-0143			1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0142)		
26 51 13 00-0144	EA		2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	212.21 22.69	33.28
26 51 13 00-0145			2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0142)		
26 51 13 00-0146	EA		2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	215.31 24.75	36.67
26 51 13 00-0147			2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0142)		
26 51 13 00-0148	EA		2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	263.88 28.88	42.72
26 51 13 00-0149	EA		3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	268.95 28.88	42.72
26 51 13 00-0150	EA		4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	275.97 28.88	42.72
26 51 13 00-0151			Striplight Fluorescent Fixtures ^(26 51 13 00-0033)		
26 51 13 00-0152			1 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0151)		
26 51 13 00-0153	EA		1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture.....	102.46	27.50
26 51 13 00-0154	EA		1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	120.29	27.50
26 51 13 00-0155	EA		1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	121.53	30.52
26 51 13 00-0156	EA		1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	126.04	33.55
26 51 13 00-0157	EA		1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	148.69	36.31
26 51 13 00-0158			2 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0151)		
26 51 13 00-0159	EA		2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	123.84	30.52
26 51 13 00-0160	EA		2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	129.51	33.55
26 51 13 00-0161	EA		2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	133.94	36.67
26 51 13 00-0162			3 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0151)		
26 51 13 00-0163	EA		3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	168.46	30.52
26 51 13 00-0164	EA		3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	166.91	33.55
26 51 13 00-0165	EA		3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	171.27	36.67
26 51 13 00-0166			Display Case Fluorescent Fixtures ^(26 51 13 00-0151)		
26 51 13 00-0167	EA		1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	81.75	30.09
26 51 13 00-0168	EA		1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	99.14	30.09
26 51 13 00-0169	EA		1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	107.83	35.09
26 51 13 00-0170	EA		1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	110.14	35.09
26 51 13 00-0171			Industrial Fluorescent Fixtures ^(26 51 13 00-0033)		
26 51 13 00-0172			1 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0171)		
26 51 13 00-0173	EA		1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	136.81	27.50
26 51 13 00-0174	EA		1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	148.34	33.55
26 51 13 00-0175	EA		1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	254.82	42.72
26 51 13 00-0176			2 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0171)		
26 51 13 00-0177	EA		2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	144.24	30.52
26 51 13 00-0178	EA		2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	156.24	36.67
26 51 13 00-0179	EA		2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	261.45	42.72
26 51 13 00-0180			3 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0171)		
26 51 13 00-0181	EA		3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	150.00	30.52
26 51 13 00-0182	EA		3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	161.75	36.67
26 51 13 00-0183	EA		3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	235.06	42.72
26 51 13 00-0184			4 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0171)		
26 51 13 00-0185	EA		4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	209.65	36.67
26 51 13 00-0186	EA		4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	299.98	42.72



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0187 Flanged Fluorescent Fixture <small>(26 51 13 00-0033)</small>		
<small>Note: For plaster or drywall application. With electronic ballast.</small>		
26 51 13 00-0188 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	212.92	55.01
26 51 13 00-0189 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	245.38	55.01
26 51 13 00-0190 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	248.70	55.01
26 51 13 00-0191 Undercabinet Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0192 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	81.67	24.75
26 51 13 00-0193 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	96.43	30.25
26 51 13 00-0194 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	95.33	30.25
26 51 13 00-0195 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	111.85	33.00
26 51 13 00-0196 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	130.16	38.50
26 51 13 00-0197 Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
<small>Note: Includes acrylic drop dish diffuser.</small>		
26 51 13 00-0198 2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0199 EA 1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	135.88	27.50
26 51 13 00-0200 EA 2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	149.72	27.50
26 51 13 00-0201 3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0202 EA 1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	153.37	28.88
26 51 13 00-0203 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	166.65	28.88
26 51 13 00-0204 4' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 13 00-0197)</small>		
26 51 13 00-0205 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	152.21	30.25
26 51 13 00-0206 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	165.92	30.25
26 51 13 00-0207 Wall Bracket, Fluorescent Fixtures <small>(26 51 13 00-0033)</small>		
26 51 13 00-0208 Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0207)</small>		
<small>Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.</small>		
26 51 13 00-0209 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0210 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	227.89	46.13
26 51 13 00-0211 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	230.32	46.13
26 51 13 00-0212 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0213 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	309.84	46.13
26 51 13 00-0214 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	313.23	46.13
26 51 13 00-0215 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0208)</small>		
26 51 13 00-0216 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	323.89	46.13
26 51 13 00-0217 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	326.32	46.13
26 51 13 00-0218 Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0207)</small>		
<small>Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.</small>		
26 51 13 00-0219 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0220 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	346.92	46.13
26 51 13 00-0221 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	349.35	46.13
26 51 13 00-0222 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0223 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	298.28	46.13
26 51 13 00-0224 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	301.67	46.13
26 51 13 00-0225 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0218)</small>		
26 51 13 00-0226 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	315.40	46.13
26 51 13 00-0227 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	317.83	46.13
26 51 13 00-0228 Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0207)</small>		
<small>Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.</small>		
26 51 13 00-0229 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0228)</small>		
26 51 13 00-0230 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	215.97	46.13
26 51 13 00-0231 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	218.39	46.13
26 51 13 00-0232 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0228)</small>		

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0233 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	216.93	46.13
26 51 13 00-0234 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	220.32	46.13
26 51 13 00-0235 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0228)		
26 51 13 00-0236 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	206.83	46.13
26 51 13 00-0237 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	209.26	46.13
26 51 13 00-0238 Low Occupancy, Industrial Fluorescent Fixtures (26 51 13 00-0033)		
26 51 13 00-0239 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	298.89	33.55
26 51 13 00-0240 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	303.47	36.67
26 51 13 00-0241 Accessories And Modifiers For Fluorescent Fixtures (26 51 13 00-0033)		
26 51 13 00-0242 Lens Modifications (26 51 13 00-0241)		
26 51 13 00-0243 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	18.77	
26 51 13 00-0244 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	23.19	
26 51 13 00-0245 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	24.29	
26 51 13 00-0246 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.50	
26 51 13 00-0247 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	32.02	
26 51 13 00-0248 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	7.73	
26 51 13 00-0249 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	11.04	
26 51 13 00-0250 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.15	
26 51 13 00-0251 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.35	
26 51 13 00-0252 Pendant Mounting Modifications (26 51 13 00-0241)		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0253 EA For Pendant Mounting Up to 1'-6" Long Section.....	8.39	
Note: Per pendant.		
26 51 13 00-0254 EA For Pendant Mounting 2' Long Section.....	9.72	
Note: Per pendant.		
26 51 13 00-0255 EA For Pendant Mounting 3' Long Section.....	12.43	
Note: Per pendant.		
26 51 13 00-0256 EA For Pendant Mounting 4' Long Section.....	14.69	
Note: Per pendant.		
26 51 13 00-0257 EA For Pendant Mounting 6' Long Section.....	18.55	
Note: Per pendant.		
26 51 13 00-0258 EA For Pendant Mounting 8' Long Section.....	25.18	
Note: Per pendant.		
26 51 13 00-0259 Fluorescent Light Accessories (26 51 13 00-0241)		
26 51 13 00-0260 EA Blank Metal Light Box Plate.....	14.01	
26 51 13 00-0261 EA Factory Installed Fixture Mounted Occupancy Sensor.....	85.02	
26 51 13 00-0262 Wire Guards (26 51 13 00-0241)		
26 51 13 00-0263 EA Wire Guard for 6" x 2' Fixture.....	39.56	5.02
26 51 13 00-0264 EA Wire Guard for 6" x 4' Fixture.....	56.22	8.04
26 51 13 00-0265 EA Wire Guard for 1" x 2' Fixture.....	44.11	5.53
26 51 13 00-0266 EA Wire Guard for 1" x 4' Fixture.....	63.12	8.54
26 51 13 00-0267 EA Wire Guard for 2" x 2' Fixture.....	53.38	6.03
26 51 13 00-0268 EA Wire Guard for 2" x 4' Fixture.....	73.58	9.04
26 51 13 00-0269 EA Wire Guard for Exit Sign Or Emergency Light.....	44.58	7.53
26 51 13 00-0270 EA Wire Guard for Combination Exit Sign And Emergency Light.....	73.75	8.04
26 51 13 00-0271 LED Fixtures (26 51 13)		
26 51 13 00-0272 Undercabinet LED Fixtures (26 51 13 00-0271)		
26 51 13 00-0273 EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	120.48	24.75
26 51 13 00-0274 EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	153.28	30.25
26 51 13 00-0275 EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	171.27	30.25
26 51 13 00-0276 Striplight LED Fixtures (26 51 13 00-0271)		
26 51 13 00-0277 Striplight LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0278 EA 2' Length, 3,000 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1).....	235.95	27.50
26 51 13 00-0279 EA 4' Length, 2,800 Lumens, LED Striplight Fluorescent Fixture (Lithonia ZL1).....	245.12	33.55
26 51 13 00-0280 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2).....	232.56	27.50
26 51 13 00-0281 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2).....	241.73	33.55
26 51 13 00-0282 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fluorescent Fixture (Lithonia ZL2).....	309.36	33.55



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0283 Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0284 Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0285 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0286 EA 4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	411.11	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0287 EA 3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	326.85	36.67
<i>For Drywall Or Plaster Ceilings, Add</i>	24.75	
26 51 13 00-0288 EA 4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	395.65	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0289 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0290 EA 3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	458.48	42.72
26 51 13 00-0291 EA 3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	319.50	36.67
26 51 13 00-0292 EA 4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	414.08	42.72
26 51 13 00-0293 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0284)</small>		
26 51 13 00-0294 EA 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	199.91	36.67
26 51 13 00-0295 EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	220.91	36.67
26 51 13 00-0296 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	208.31	36.67
26 51 13 00-0297 EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	216.01	36.67
26 51 13 00-0298 EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	219.86	36.67
26 51 13 00-0299 Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0300 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0299)</small>		
26 51 13 00-0301 EA 2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	400.53	33.28
<i>For Drywall Or Plaster Ceilings, Add</i>	22.69	
26 51 13 00-0302 EA 2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	349.44	36.67
<i>For Drywall Or Plaster Ceilings, Add</i>	24.75	
26 51 13 00-0303 EA 3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	356.54	36.67
<i>For Drywall Or Plaster Ceilings, Add</i>	24.75	
26 51 13 00-0304 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	390.00	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0305 EA 4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	414.28	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0306 EA 2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	331.78	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0307 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	331.78	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0308 Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0309 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0308)</small>		
Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0310 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	371.08	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0311 EA 4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	440.10	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0312 EA 6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	502.22	42.72
<i>For Drywall Or Plaster Ceilings, Add</i>	28.88	
26 51 13 00-0313 Architectural, Lay-In/Troffer LED Fixtures (CREE®) <small>(26 51 13 00-0308)</small>		
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0314 EA 2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	363.60	42.72
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	108.87	
<i>For Surface Mount, Add</i>	170.42	
26 51 13 00-0315 EA 3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	370.66	42.72
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	108.87	
<i>For Surface Mount, Add</i>	170.42	
26 51 13 00-0316 EA 4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	370.66	42.72
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	108.87	
<i>For Surface Mount, Add</i>	170.42	
26 51 13 00-0317 EA 5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	414.17	42.72
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	108.87	
<i>For Surface Mount, Add</i>	170.42	
26 51 13 00-0318 EA 2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	300.34	36.67
<i>For Expanded Size Junction Box For Through Wiring, Add</i>	3.29	
<i>For Drywall Or Plaster Ceilings, Add</i>	94.99	
<i>For Surface Mount, Add</i>	160.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0319	EA		3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	317.98 3.29 94.99 160.35	36.67
26 51 13 00-0320	EA		3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (CREE® AR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	289.75 3.29 94.99 160.35	36.67
26 51 13 00-0321	EA		3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	317.98 3.29 94.99 160.35	36.67
26 51 13 00-0322	EA		2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	363.60 3.29 111.22 185.71	42.72
26 51 13 00-0323	EA		3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	370.66 3.29 111.22 185.71	42.72
26 51 13 00-0324	EA		4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	370.66 3.29 111.22 185.71	42.72
26 51 13 00-0325	EA		4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	457.32 3.29 111.22 185.71	42.72
26 51 13 00-0326	EA		5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	414.17 3.29 111.22 185.71	42.72
26 51 13 00-0327	EA		4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® AR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	336.56 3.29 111.22 185.71	42.72
26 51 13 00-0328	EA		4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	363.60 3.29 111.22 185.71	42.72
26 51 13 00-0329			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 13 00-0308)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 13 00-0330	EA		2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	276.13	36.67
26 51 13 00-0331	EA		4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	368.74	42.72
26 51 13 00-0332			Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0333			Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 13 00-0332)</small>		
26 51 13 00-0334	EA		3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	333.94 24.75	36.67
26 51 13 00-0335	EA		4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	452.31 28.88	42.72
26 51 13 00-0336			Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0283)</small>		
26 51 13 00-0337			Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 13 00-0336)</small>		
26 51 13 00-0338	EA		3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	239.53	42.72
26 51 13 00-0339	EA		3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	238.76	36.67
26 51 13 00-0340	EA		4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	303.58	42.72
26 51 13 00-0341	EA		5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	303.58	42.72
26 51 13 00-0342			Surface Mount LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51 13 00-0343			Surface Mount, Volumetric LED Fixtures <small>(26 51 13 00-0342)</small>		
26 51 13 00-0344	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	327.46	27.50
26 51 13 00-0345	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	374.17	33.55
26 51 13 00-0346			Surface Mount, Wraparound LED Fixtures <small>(26 51 13 00-0342)</small>		
26 51 13 00-0347	EA		2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	193.07	33.55
26 51 13 00-0348	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	196.39	33.55
26 51 13 00-0349			Surface Mount, Shadow Box Style LED Fixtures <small>(26 51 13 00-0342)</small>		
26 51 13 00-0350			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) <small>(26 51 13 00-0349)</small>		
26 51 13 00-0351	EA		3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	423.19	36.67
26 51 13 00-0352	EA		4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	541.56	42.72



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0353 Recessed LED Downlights (26 51 13 00-0271)		
26 51 13 00-0354 Recessed LED Downlights (26 51 13 00-0353)		
26 51 13 00-0355 Recessed LED Downlights (Lithonia) (26 51 13 00-0354) Note: Includes housing and trim.		
26 51 13 00-0356 EA 1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	370.32	44.12
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	82.53	
26 51 13 00-0357 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	404.83	44.12
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	82.53	
26 51 13 00-0358 Recessed LED Downlights (Portfolio®) (26 51 13 00-0354) Note: Includes housing and trim.		
26 51 13 00-0359 EA 1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	223.55	44.12
26 51 13 00-0360 Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0354) Note: Includes housing and trim.		
26 51 13 00-0361 EA 1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	328.29	44.12
26 51 13 00-0362 EA 1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	340.40	44.12
26 51 13 00-0363 EA 1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	390.07	44.12
26 51 13 00-0364 EA 1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	394.92	44.12
26 51 13 00-0365 EA 1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	437.32	44.12
26 51 13 00-0366 Recessed LED Downlights (Lightolier) (26 51 13 00-0354) Note: Includes housing and trim.		
26 51 13 00-0367 EA 500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	325.46	44.12
26 51 13 00-0368 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	377.88	44.12
26 51 13 00-0369 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	404.04	44.12
26 51 13 00-0370 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	404.04	44.12
26 51 13 00-0371 EA 1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	417.17	44.12
26 51 13 00-0372 EA 2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	430.32	44.12
26 51 13 00-0373 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 13 00-0353)		
26 51 13 00-0374 Recessed LED Downlight Retrofits (CREE®) (26 51 13 00-0373) Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0375 EA 575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	70.87	44.12
26 51 13 00-0376 EA 625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	61.46	44.12
26 51 13 00-0377 EA 800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	75.57	44.12
26 51 13 00-0378 EA 650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	137.46	44.12
26 51 13 00-0379 EA 1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-DR100-277).....	104.05	44.12
26 51 13 00-0380 EA 500 Lumens, 6" Diameter, Adjustable Recessed LED Downlight Retrofit (Cree® LE6C-GU24).....	106.43	44.12
26 51 13 00-0381 EA 1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	112.39	44.12
26 51 13 00-0382 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 13 00-0373) Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0383 EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	31.50	7.02
26 51 13 00-0384 EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	31.75	7.02
26 51 13 00-0385 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	32.68	7.02
26 51 13 00-0386 Recessed LED Downlight Fixture Housings (CREE®) (26 51 13 00-0373) Note: Excludes lamp and trim.		
26 51 13 00-0387 EA 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	73.75	30.09
26 51 13 00-0388 EA 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	57.05	30.09
26 51 13 00-0389 Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0353)		
26 51 13 00-0390 EA 15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	93.15	27.50
26 51 13 00-0391 EA 7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	72.99	27.50
26 51 13 00-0392 EA 9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	72.99	27.50
26 51 13 00-0393 EA 8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP).....	84.87	27.50
For Recessed IC/Non-IC Rated Housing For New Construction, Add	33.09	
26 51 13 00-0394 Wall Mount LED Cylinder Downlight (26 51 13 00-0271)		
26 51 13 00-0395 EA 2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	449.86	42.72

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 13 00-0396		Concealed Continuous LED Fixtures <small>(26 51 13 00-0271)</small>			
26 51 13 00-0397		Concealed Continuous LED Fixtures (Fraqtir™ S301) <small>(26 51 13 00-0396)</small>			
26 51 13 00-0398	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	361.06		4.58
26 51 13 00-0399	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	411.21		4.58
26 51 13 00-0400		LED Low Bay Fixtures <small>(26 51 13 00-0271)</small>			
26 51 13 00-0401		LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 13 00-0400)</small>			
26 51 13 00-0402	EA	4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4)	204.02		55.01
26 51 13 00-0403	EA	4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	261.77		55.01
26 51 13 00-0404	EA	8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	418.04		68.76
26 51 13 00-0405		LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 13 00-0400)</small>			
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.					
26 51 13 00-0406	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	519.28		55.01
26 51 13 00-0407	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	645.69		68.76
26 51 13 00-0408	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	820.91		68.76
26 51 13 00-0409		LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 13 00-0400)</small>			
Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.					
26 51 13 00-0410	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	520.30		55.01
26 51 13 00-0411		Wet/Hazardous Location, LED Fixtures <small>(26 51 13 00-0271)</small>			
26 51 13 00-0412		Wet Location, LED Fixtures <small>(26 51 13 00-0411)</small>			
26 51 13 00-0413		Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 13 00-0412)</small>			
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.					
26 51 13 00-0414	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	1,115.28		77.01
		For Ceiling Mount, Add	162.28		
		For Quick Clip Mounting Option, Add	19.39		
		For Frosted Lens, Add	41.69		
		For Warm White Color Rendering, Add	55.84		
		For Stanchion Mount, Add	214.42		
		For Wall Mount, Add	220.96		
		For Polycarbonate Lens, Add	80.40		
		For Teflon Coated Lens, Add	88.49		
		For 347 Or 480 Volt AC, Add	121.77		
26 51 13 00-0415	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	1,168.76		82.51
		For Ceiling Mount, Add	162.28		
		For Quick Clip Mounting Option, Add	19.39		
		For Frosted Lens, Add	41.69		
		For Warm White Color Rendering, Add	55.84		
		For Stanchion Mount, Add	214.42		
		For Wall Mount, Add	220.96		
		For Polycarbonate Lens, Add	80.40		
		For Teflon Coated Lens, Add	88.49		
		For 347 Or 480 Volt AC, Add	121.77		
26 51 13 00-0416	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	1,312.67		88.01
		For Ceiling Mount, Add	162.28		
		For Quick Clip Mounting Option, Add	19.39		
		For Frosted Lens, Add	41.69		
		For Warm White Color Rendering, Add	55.84		
		For Stanchion Mount, Add	214.42		
		For Wall Mount, Add	220.96		
		For Polycarbonate Lens, Add	80.40		
		For Teflon Coated Lens, Add	88.49		
		For 347 Or 480 Volt AC, Add	121.77		
26 51 13 00-0417	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	1,616.07		93.51
		For Ceiling Mount, Add	162.28		
		For Quick Clip Mounting Option, Add	19.39		
		For Frosted Lens, Add	41.69		
		For Warm White Color Rendering, Add	55.84		
		For Stanchion Mount, Add	214.42		
		For Wall Mount, Add	220.96		
		For Polycarbonate Lens, Add	80.40		
		For Teflon Coated Lens, Add	88.49		
		For 347 Or 480 Volt AC, Add	121.77		



Electrical	26	
Lighting	26 50	26
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0418	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	1,883.23	99.01
			<i>For Ceiling Mount, Add</i>	162.28	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	41.69	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Stanchion Mount, Add</i>	214.42	
			<i>For Wall Mount, Add</i>	220.96	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For Teflon Coated Lens, Add</i>	88.49	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0419		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0412)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0420	EA	64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,207.38	82.51
			<i>For Bolt-On Visor, Add</i>	30.49	
			<i>For Bolt-On Wire Guard, Add</i>	55.84	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0421	EA	94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L).....	1,493.21	88.01
			<i>For Bolt-On Visor, Add</i>	30.49	
			<i>For Bolt-On Wire Guard, Add</i>	55.84	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0422	EA	126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L).....	1,643.69	93.51
			<i>For Bolt-On Visor, Add</i>	30.49	
			<i>For Bolt-On Wire Guard, Add</i>	55.84	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0423	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L).....	1,880.77	99.01
			<i>For Bolt-On Visor, Add</i>	30.49	
			<i>For Bolt-On Wire Guard, Add</i>	55.84	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0424		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0412)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0425	EA	25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	725.54	77.01
			<i>For 12/24 Volt DC Driver, Add</i>	23.56	
			<i>For Frosted Lens, Add</i>	26.53	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	32.06	
			<i>For Warm White Color Rendering, Add</i>	37.54	
			<i>For Ceiling Mount, Add</i>	143.83	
			<i>For Wall Mount, Add</i>	167.09	
			<i>For Teflon Coated Lens, Add</i>	101.76	
			<i>For Wall Mount With Junction Box, Add</i>	201.04	
26 51	13 00-0426		Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0411)</small>		
26 51	13 00-0427		Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 51 13 00-0426)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0428	EA	64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L).....	1,379.20	82.51
			<i>For Bolt-On Visor, Add</i>	35.06	
			<i>For Bolt-On Wire Guard, Add</i>	64.21	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0429	EA	94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L).....	1,681.59	88.01
			<i>For Bolt-On Visor, Add</i>	35.06	
			<i>For Bolt-On Wire Guard, Add</i>	64.21	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0430	EA	126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L)	1,896.02	93.51
			<i>For Bolt-On Visor, Add</i>	35.06	
			<i>For Bolt-On Wire Guard, Add</i>	64.21	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0431	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L)	2,116.31	99.01
			<i>For Bolt-On Visor, Add</i>	35.06	
			<i>For Bolt-On Wire Guard, Add</i>	64.21	
			<i>For Factory Installed Fuse, Add</i>	78.54	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
			<i>For Warm White Color Rendering, Add</i>	124.42	
26 51	13 00-0432		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 51 13 00-0426)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0433	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	853.31	77.01
			<i>For 12/24 Volt DC Driver, Add</i>	20.49	
			<i>For Frosted Lens, Add</i>	23.07	
			<i>For Warm White Color Temperature LEDs, Add</i>	27.88	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	32.64	
			<i>For Stanchion Mount, Add</i>	149.33	
			<i>For Ceiling Mount, Add</i>	166.47	
			<i>For Wall Mount, Add</i>	190.89	
			<i>For Teflon Coated Lens, Add</i>	88.49	
			<i>For Wall Mount With Junction Box, Add</i>	226.54	
26 51	13 00-0434		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 13 00-0426)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0435	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	1,262.40	77.01
			<i>For Ceiling Mount, Add</i>	186.98	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	47.95	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0436	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	1,396.61	82.51
			<i>For Ceiling Mount, Add</i>	186.98	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	47.95	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0437	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	1,667.86	88.01
			<i>For Ceiling Mount, Add</i>	186.98	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	47.95	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0438	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	2,022.15	93.51
			<i>For Ceiling Mount, Add</i>	186.98	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	47.95	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0439	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	2,275.17	99.01
			<i>For Ceiling Mount, Add</i>	186.98	
			<i>For Quick Clip Mounting Option, Add</i>	19.39	
			<i>For Frosted Lens, Add</i>	47.95	
			<i>For Warm White Color Rendering, Add</i>	55.84	
			<i>For Polycarbonate Lens, Add</i>	80.40	
			<i>For 347 Or 480 Volt AC, Add</i>	121.77	
26 51	13 00-0440		Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 13 00-0411)</small>		
26 51	13 00-0441		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 13 00-0440)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0442	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	1,817.05	82.51
			<i>For Wall Mount, Deduct</i>	254.45	
			<i>For Warm Color Temperature LEDs, Add</i>	53.18	
			<i>For Stainless Steel Guard, Add</i>	337.31	
			<i>For Ceiling Mount, Add</i>	350.39	
			<i>For Stanchion Mount, Add</i>	393.86	
			<i>For Yoke Mount, Add</i>	331.95	
26 51	13 00-0443	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	2,201.41	88.01
			<i>For Wall Mount, Deduct</i>	254.45	
			<i>For Warm Color Temperature LEDs, Add</i>	53.18	
			<i>For Stainless Steel Guard, Add</i>	337.31	
			<i>For Ceiling Mount, Add</i>	350.39	
			<i>For Stanchion Mount, Add</i>	393.86	
			<i>For Yoke Mount, Add</i>	331.95	
26 51	13 00-0444	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	2,551.71	93.51
			<i>For Wall Mount, Deduct</i>	254.45	
			<i>For Warm Color Temperature LEDs, Add</i>	53.18	
			<i>For Stainless Steel Guard, Add</i>	337.31	
			<i>For Ceiling Mount, Add</i>	350.39	
			<i>For Stanchion Mount, Add</i>	393.86	
			<i>For Yoke Mount, Add</i>	331.95	
26 51	13 00-0445	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	2,908.38	99.01
			<i>For Wall Mount, Deduct</i>	254.45	
			<i>For Warm Color Temperature LEDs, Add</i>	53.18	
			<i>For Stainless Steel Guard, Add</i>	337.31	
			<i>For Ceiling Mount, Add</i>	350.39	
			<i>For Stanchion Mount, Add</i>	393.86	
			<i>For Yoke Mount, Add</i>	331.95	
26 51	13 00-0446	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	3,363.25	95.34
			<i>For Wall Mount, Deduct</i>	254.45	
			<i>For Warm Color Temperature LEDs, Add</i>	53.18	
			<i>For Stainless Steel Guard, Add</i>	337.31	
			<i>For Ceiling Mount, Add</i>	350.39	
			<i>For Stanchion Mount, Add</i>	393.86	
			<i>For Yoke Mount, Add</i>	331.95	
26 51	13 00-0447		Refrigeration/Display LED Fixtures <small>(26 51 13 00-0271)</small>		
26 51	13 00-0448		Refrigeration/Display LED Fixtures (Lithonia) <small>(26 51 13 00-0447)</small>		
			Note: Fixtures exclude driver.		
26 51	13 00-0449	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC)	271.98	42.72
26 51	13 00-0450	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	351.10	75.63
26 51	13 00-0451	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	341.24	60.51
26 51	13 00-0452		Recessed Fixtures <small>(26 51 13)</small>		
			Note: Housing and trim priced separately.		
26 51	13 00-0453		Recessed Fixture Housings <small>(26 51 13 00-0452)</small>		
			Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51	13 00-0454		Compact Fluorescent, Recessed Fixture Housings <small>(26 51 13 00-0453)</small>		
26 51	13 00-0455	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	91.17	28.68
			<i>For ICAT Housing, Add</i>	6.20	
26 51	13 00-0456	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	93.26	28.68
			<i>For ICAT Housing, Add</i>	6.47	
26 51	13 00-0457	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	96.94	30.09
			<i>For ICAT Housing, Add</i>	6.68	
26 51	13 00-0458	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	100.08	31.39
			<i>For ICAT Housing, Add</i>	6.83	
26 51	13 00-0459	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	103.56	32.69
			<i>For ICAT Housing, Add</i>	7.02	
26 51	13 00-0460	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	107.38	34.69
			<i>For ICAT Housing, Add</i>	7.12	
26 51	13 00-0461		Fluorescent, Recessed Fixture Housings <small>(26 51 13 00-0453)</small>		
26 51	13 00-0462	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	82.05	28.68
			<i>For ICAT Housing, Add</i>	5.02	
26 51	13 00-0463	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	84.17	28.68
			<i>For ICAT Housing, Add</i>	5.30	
26 51	13 00-0464	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	87.78	29.99
			<i>For ICAT Housing, Add</i>	5.50	
26 51	13 00-0465	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	92.13	31.09
			<i>For ICAT Housing, Add</i>	5.80	
26 51	13 00-0466	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	96.03	32.69
			<i>For ICAT Housing, Add</i>	6.05	

26 Electrical
26 50 Lighting
 26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 13 00-0467	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	100.01 6.17	34.69
26 51 13 00-0468		High Pressure Sodium, Recessed Fixture Housings <small>(26 51 13 00-0453)</small>		
26 51 13 00-0469	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	94.18 6.59	28.88
26 51 13 00-0470	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	97.59 7.03	28.88
26 51 13 00-0471	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	102.43 7.39	30.09
26 51 13 00-0472	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	106.30 7.63	31.39
26 51 13 00-0473	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	110.14 7.87	32.69
26 51 13 00-0474	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	114.06 7.99	34.69
26 51 13 00-0475		Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0453)</small>		
26 51 13 00-0476	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	58.16 1.94	28.68
26 51 13 00-0477	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	58.16 1.94	28.68
26 51 13 00-0478	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	61.47 2.11	30.09
26 51 13 00-0479	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	64.85 2.29	31.39
26 51 13 00-0480	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	68.25 2.47	32.69
26 51 13 00-0481	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	70.46 2.36	34.69
26 51 13 00-0482		Recessed Fixture Trim <small>(26 51 13 00-0452)</small>		
26 51 13 00-0483	EA	Circular, Recessed Fixture Trim	39.67	14.04
26 51 13 00-0484	EA	Circular Clear Lens, Recessed Fixture Trim	43.08	14.04
26 51 13 00-0485	EA	Open/Baffle, Recessed Fixture Trim	48.99	14.04
26 51 13 00-0486	EA	Specular Reflector, Recessed Fixture Trim	52.12	14.04
26 51 13 00-0487	EA	Eyeball, Recessed Fixture Trim	43.13	14.04
26 51 13 00-0488	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	41.30	14.04
26 51 13 00-0489	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	43.40	14.04
26 51 13 00-0490		Ceiling Mounted Fixtures <small>(26 51 13)</small>		
26 51 13 00-0491		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0490)</small>		
26 51 13 00-0492		Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0491)</small>		
26 51 13 00-0493	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	96.38	40.11
26 51 13 00-0494	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	108.77	40.11
26 51 13 00-0495		Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 13 00-0490)</small>		
26 51 13 00-0496		Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 13 00-0495)</small>		
26 51 13 00-0497	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	86.96	40.11
26 51 13 00-0498	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	93.01	40.11
26 51 13 00-0499		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 13 00-0495)</small>		
26 51 13 00-0500	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	112.80	40.11
26 51 13 00-0501	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	146.89	40.11
26 51 13 00-0502	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	170.52	40.11
26 51 13 00-0503	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	123.84	40.11
26 51 13 00-0504	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	147.59	40.11
26 51 13 00-0505	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	170.52	40.11
26 51 13 00-0506		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0490)</small>		
26 51 13 00-0507		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0506)</small>		
26 51 13 00-0508	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	115.44	40.11
26 51 13 00-0509	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	138.78	40.11
26 51 13 00-0510	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	160.01	40.11
26 51 13 00-0511	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	97.95	40.11
26 51 13 00-0512	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	110.95	40.11
26 51 13 00-0513	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	135.60	40.11



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0514	Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 13 00-0490)	
26 51 13 00-0515	Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 13 00-0514)	
26 51 13 00-0516 EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	155.70 32.95
26 51 13 00-0517	Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 13 00-0514)	
26 51 13 00-0518 EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	174.55 32.95
26 51 13 00-0519 EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	235.38 32.95
26 51 13 00-0520	Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 13 00-0490)	
26 51 13 00-0521 EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	173.50 32.95
26 51 13 00-0522 EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	185.47 32.95
26 51 13 00-0523 EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	219.92 32.95
26 51 13 00-0524 EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	225.33 32.95
26 51 13 00-0525 EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	269.70 32.95
26 51 13 00-0526 EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	321.23 32.95
26 51 13 00-0527	Finelite Fluorescent Fixtures (26 51 13 00-0490)	
26 51 13 00-0528	Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 13 00-0527)	
26 51 13 00-0529 EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	282.91 46.73
26 51 13 00-0530 EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	281.80 46.73
26 51 13 00-0531 EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	302.83 46.73
26 51 13 00-0532 EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	338.56 46.73
26 51 13 00-0533 EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	370.97 46.73
26 51 13 00-0534 EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	452.08 46.73
26 51 13 00-0535 EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	394.50 48.74
26 51 13 00-0536 EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	405.56 48.74
26 51 13 00-0537 EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	447.62 48.74
26 51 13 00-0538 EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	434.96 48.74
26 51 13 00-0539 EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	544.05 48.74
26 51 13 00-0540 EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	639.85 48.74
26 51 13 00-0541 EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	514.95 50.74
26 51 13 00-0542 EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	533.76 50.74
26 51 13 00-0543 EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	588.00 50.74
26 51 13 00-0544 EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	597.79 50.74
26 51 13 00-0545 EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	739.28 50.74
26 51 13 00-0546 EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	885.20 50.74
26 51 13 00-0547	Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) (26 51 13 00-0527)	
26 51 13 00-0548 EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	266.65 46.73
26 51 13 00-0549 EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	288.04 46.73
26 51 13 00-0550 EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	290.17 46.73
26 51 13 00-0551 EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	379.96 48.74
26 51 13 00-0552 EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	404.75 48.74
26 51 13 00-0553 EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	409.00 48.74
26 51 13 00-0554 EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	493.29 50.74
26 51 13 00-0555 EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	557.46 50.74

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 13 00-0556	EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	563.85	50.74
26 51 13 00-0557	Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) <small>(26 51 13 00-0527)</small>		
26 51 13 00-0558	EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	210.15	46.73
26 51 13 00-0559	EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	220.36	46.73
26 51 13 00-0560	EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	255.88	46.73
26 51 13 00-0561	EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	267.21	48.74
26 51 13 00-0562	EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	310.65	48.74
26 51 13 00-0563	EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	362.14	48.74
26 51 13 00-0564	EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	358.79	50.74
26 51 13 00-0565	EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	433.15	50.74
26 51 13 00-0566	EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	512.10	50.74
26 51 13 00-0567	Track Lighting <small>(26 51 13)</small>		
26 51 13 00-0568	Track Lighting Tracks <small>(26 51 13 00-0567)</small>		
26 51 13 00-0569	LF 1 Circuit Track Lighting Track.....	24.03	6.62
26 51 13 00-0570	LF 2 Circuit Track Lighting Track.....	31.60	6.62
26 51 13 00-0571	LF 3 Circuit Track Lighting Track.....	38.04	6.62
26 51 13 00-0572	LF 4 Circuit Track Lighting Track.....	44.48	8.02
26 51 13 00-0573	Track Lighting Fixtures <small>(26 51 13 00-0567)</small>		
26 51 13 00-0574	Compact Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0573)</small>		
26 51 13 00-0575	EA Compact Fluorescent Track Lighting Fixture.....	57.25	16.75
26 51 13 00-0576	Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0573)</small>		
26 51 13 00-0577	EA 2L 18W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	262.87	16.75
26 51 13 00-0578	EA 2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	274.86	16.75
26 51 13 00-0579	EA 2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	282.36	16.75
26 51 13 00-0580	EA 2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	249.95	16.75
26 51 13 00-0581	EA 2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	318.91	16.75
26 51 13 00-0582	Metal Halide Track Lighting Fixtures <small>(26 51 13 00-0573)</small>		
26 51 13 00-0583	EA Metal Halide Track Lighting Fixture.....	60.02	16.75
26 51 13 00-0584	Incandescent Track Lighting Fixtures <small>(26 51 13 00-0573)</small>		
26 51 13 00-0585	EA Incandescent Track Lighting Fixture.....	50.37	16.75
26 51 13 00-0586	EA Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	64.23	16.75
26 51 13 00-0587	EA Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	94.47	16.75
26 51 13 00-0588	EA Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	97.47	16.75
26 51 13 00-0589	EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	77.92	16.75
26 51 13 00-0590	EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	64.23	16.75
26 51 13 00-0591	EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish..... Note: 120V.	76.48	16.75
26 51 13 00-0592	EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	100.46	16.75
26 51 13 00-0593	LED Track Lighting Fixtures <small>(26 51 13 00-0573)</small>		
26 51 13 00-0594	EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	211.06	16.75
26 51 13 00-0595	EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	373.04	16.75
26 51 13 00-0596	EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	217.22	16.75
26 51 13 00-0597	Track Lighting Accessories <small>(26 51 13 00-0567)</small>		
26 51 13 00-0598	Pendant Mounting <small>(26 51 13 00-0597)</small>		
26 51 13 00-0599	EA Track Lighting Pendant Mounting, Up to 12".....	25.19	
26 51 13 00-0600	EA Track Lighting Pendant Mounting, >12" To 24".....	32.95	
26 51 13 00-0601	EA Track Lighting Pendant Mounting, >24" To 36".....	40.35	



Electrical	26
Lighting	26 50
Interior Lighting	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0602		Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51	13 00-0603		Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0602)</small>		
26 51	13 00-0604		Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0603)</small>		
	26 51 13 00-0605	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	128.01	40.11
			<i>For Wall Mounted, Add</i>	5.10	
	26 51 13 00-0606	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	149.43	40.11
			<i>For Wall Mounted, Add</i>	5.10	
26 51	13 00-0607		Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0603)</small>		
	26 51 13 00-0608	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	139.06	40.11
			<i>For Wall Mounted, Add</i>	6.02	
	26 51 13 00-0609	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	143.27	40.11
			<i>For Wall Mounted, Add</i>	6.02	
	26 51 13 00-0610	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	153.69	40.11
			<i>For Wall Mounted, Add</i>	6.02	
26 51	13 00-0611		Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0603)</small>		
	26 51 13 00-0612	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	175.70	40.11
			<i>For Wall Mounted, Add</i>	6.30	
	26 51 13 00-0613	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	181.61	40.11
			<i>For Wall Mounted, Add</i>	6.30	
	26 51 13 00-0614	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	193.61	40.11
			<i>For Wall Mounted, Add</i>	6.30	
	26 51 13 00-0615	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	211.66	40.11
			<i>For Wall Mounted, Add</i>	6.30	
26 51	13 00-0616		High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0603)</small>		
	26 51 13 00-0617	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	161.64	40.11
			<i>For Wall Mounted, Add</i>	6.67	
	26 51 13 00-0618	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	168.98	40.11
			<i>For Wall Mounted, Add</i>	6.67	
	26 51 13 00-0619	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	197.35	40.11
			<i>For Wall Mounted, Add</i>	6.67	
26 51	13 00-0620		Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0602)</small>		
26 51	13 00-0621		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0620)</small>		
26 51	13 00-0622		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 13 00-0621)</small>		
			Note: Includes high impact acrylic molded lens.		
	26 51 13 00-0623	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	171.76	42.72
			<i>For T5 Fixture Instead Of T8, Add</i>	12.32	
	26 51 13 00-0624	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	179.02	42.72
			<i>For T5 Fixture Instead Of T8, Add</i>	13.15	
	26 51 13 00-0625	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	265.97	42.72
			<i>For T5 Fixture Instead Of T8, Add</i>	23.10	
	26 51 13 00-0626	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	233.24	42.72
	26 51 13 00-0627	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	360.28	42.72
26 51	13 00-0628		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 13 00-0621)</small>		
			Note: Includes high impact acrylic molded lens.		
	26 51 13 00-0629	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	205.69	42.72
	26 51 13 00-0630	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	208.02	42.72
	26 51 13 00-0631	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	293.44	42.72
	26 51 13 00-0632	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	246.25	42.72
	26 51 13 00-0633	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	256.46	42.72
26 51	13 00-0634		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0620)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51	13 00-0635		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 13 00-0634)</small>		
			Note: Includes high impact acrylic molded lens.		

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0636 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	311.08	58.03
For T5 Fixture Instead Of T8, Add	25.65	
26 51 13 00-0637 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	322.61	58.03
For T5 Fixture Instead Of T8, Add	26.97	
26 51 13 00-0638 Large Interior Area Fixtures <small>(26 51 13)</small>		
26 51 13 00-0639 Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0638)</small>		
Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0640 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0639)</small>		
26 51 13 00-0641 EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	292.46	106.90
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0642 EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	304.49	113.52
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0643 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	328.99	129.56
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0644 Metal Halide, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0639)</small>		
26 51 13 00-0645 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	297.00	106.90
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0646 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	305.39	113.52
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0647 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	328.79	129.56
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
26 51 13 00-0648 Low Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0638)</small>		
Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0649 High Pressure Sodium, Low Bay Fixtures <small>(26 51 13 00-0648)</small>		
26 51 13 00-0650 EA 150 Watt High Pressure Sodium, Low Bay Fixture	424.92	97.73
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0651 EA 250 Watt High Pressure Sodium, Low Bay Fixture	434.49	103.78
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0652 EA 400 Watt High Pressure Sodium, Low Bay Fixture	462.97	118.45
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0653 Metal Halide, Low Bay Fixtures <small>(26 51 13 00-0648)</small>		
26 51 13 00-0654 EA 175 Watt Metal Halide, Low Bay Fixture	424.83	97.73
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0655 EA 250 Watt Metal Halide, Low Bay Fixture	433.70	103.78
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0656 EA 400 Watt Metal Halide, Low Bay Fixture	460.92	118.45
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0657 High Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0638)</small>		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0658 High Pressure Sodium, High Bay Fixtures <small>(26 51 13 00-0657)</small>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0659 EA 250 Watt High Pressure Sodium, High Bay Fixture	383.21	103.78
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0660 EA 400 Watt High Pressure Sodium, High Bay Fixture	417.10	118.45
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0661 EA 1,000 Watt High Pressure Sodium, High Bay Fixture	611.67	124.59
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0662 Metal Halide, High Bay Fixtures (26 51 13 00-0657)		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0663 EA 250 Watt Metal Halide, High Bay Fixture	358.34	103.78
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0664 EA 400 Watt Metal Halide, High Bay Fixture	385.35	118.45
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0665 EA 1,000 Watt Metal Halide, High Bay Fixture	524.66	124.59
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0666 (T8) Fluorescent, High Bay Fixtures (26 51 13 00-0657)		
26 51 13 00-0667 (T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0666)		
Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 13 00-0668 EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	307.52	93.51
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0669 EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	325.01	103.60
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0670 EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	369.11	118.26
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0671 EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	433.51	124.59
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	
26 51 13 00-0672 EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	469.18	130.37
For Wire Guard, Add	40.50	
For Polycarbonate Lens, Add	47.75	
For Acrylic Lens, Add	54.00	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0673	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	388.64 40.50 47.75 54.00	118.26
26 51	13 00-0674	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	404.44 40.50 47.75 54.00	124.59
26 51	13 00-0675	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	468.98 40.50 47.75 54.00	130.37
26 51	13 00-0676		(T5HO) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0657)</small>		
26 51	13 00-0677		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0676)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0678	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	315.32 40.50 47.75 54.00	93.51
26 51	13 00-0679	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	335.33 40.50 47.75 54.00	103.60
26 51	13 00-0680	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	383.83 40.50 47.75 54.00	118.26
26 51	13 00-0681	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	458.12 40.50 47.75 54.00	124.59
26 51	13 00-0682	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	425.63 40.50 47.75 54.00	118.26
26 51	13 00-0683	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	473.50 40.50 47.75 54.00	124.59
26 51	13 00-0684	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	564.06 40.50 47.75 54.00	130.37
26 51	13 00-0685		Induction, High Bay Fixtures <small>(26 51 13 00-0657)</small>		
26 51	13 00-0686		Induction, High Bay Fixtures (Everlast®) <small>(26 51 13 00-0685)</small> Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51	13 00-0687	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	468.98 20.00	90.76
26 51	13 00-0688	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	505.60 20.00	93.79
26 51	13 00-0689	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	514.60 20.00	96.82
26 51	13 00-0690	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	564.46 20.00	99.84
26 51	13 00-0691	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	578.98 20.00	102.86
26 51	13 00-0692	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	507.63 20.00	90.76
26 51	13 00-0693	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	544.25 20.00	93.79
26 51	13 00-0694	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	553.25 20.00	96.82
26 51	13 00-0695	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	603.11 20.00	99.84
26 51	13 00-0696	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	617.63 20.00	102.86
26 51	13 00-0697		LED, High Bay Fixtures <small>(26 51 13 00-0657)</small>		
26 51	13 00-0698		LED High Bay Fixtures (Lithonia IBL) <small>(26 51 13 00-0697)</small> Note: Includes aluminum alloy chassis.		
26 51	13 00-0699	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	593.90	100.84
26 51	13 00-0700	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	649.11	100.84
26 51	13 00-0701	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	798.19	100.84
26 51	13 00-0702	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	857.82	100.84
26 51	13 00-0703		LED High Bay Fixtures (PlanLED) <small>(26 51 13 00-0697)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0704 LED High Bay Fixtures (PlanLED LUNA) (26 51 13 00-0703) Note: Includes aluminum alloy chassis.		
26 51 13 00-0705 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	550.29	100.84
26 51 13 00-0706 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	637.44	100.84
26 51 13 00-0707 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	681.54	100.84
26 51 13 00-0708 EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	731.94	100.84
26 51 13 00-0709 LED High Bay Fixtures (PlanLED IBL) (26 51 13 00-0703) Note: Includes aluminum alloy chassis.		
26 51 13 00-0710 EA 13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	545.04	100.84
For 347-480 Volt, Add	42.00	
26 51 13 00-0711 EA 21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	716.19	100.84
For 347-480 Volt, Add	51.45	
26 51 13 00-0712 EA 42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	1,223.34	100.84
For 347-480 Volt, Add	57.75	
26 51 13 00-0713 LED High Bay Fixtures (PlanLED SEGA) (26 51 13 00-0703) Note: Includes aluminum alloy chassis.		
26 51 13 00-0714 EA 10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080).....	476.79	100.84
For 0 To 10 Volt Dimming, Add	29.40	
26 51 13 00-0715 EA 13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100).....	482.04	100.84
For 0 To 10 Volt Dimming, Add	29.40	
26 51 13 00-0716 EA 16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130).....	555.54	100.84
For 0 To 10 Volt Dimming, Add	29.40	
26 51 13 00-0717 EA 20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160).....	627.99	100.84
For 0 To 10 Volt Dimming, Add	29.40	
26 51 13 00-0718 EA 50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,316.79	100.84
26 51 13 00-0719 EA 57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,316.79	100.84
26 51 13 00-0720 EA 80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	1,934.19	100.84
26 51 13 00-0721 Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0638) Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0722 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0721)		
26 51 13 00-0723 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	336.69	69.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0724 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	383.80	69.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0725 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	436.44	69.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0726 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	579.61	69.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0727 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0721)		
26 51 13 00-0728 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	287.76	69.50
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0729 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	309.44	77.11
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0730 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	328.47	83.53
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0731 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	359.13	99.48
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0732 Removal And Reinstallation Of Light Fixtures (26 51 13) Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0733 EA Remove And Reinstall Lay-In Fluorescent Light Fixture	106.81	
26 51 13 00-0734 EA Remove And Reinstall Surface Mounted Or Pendant Light Fixture	122.06	
26 51 13 00-0735 Retrofit Existing Fluorescent Fixtures (26 51 13)		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0736	EA	Convert 1L F96 fixture to operate (2) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i>	176.27 21.19	
			<i>For Retrofit Kit Without Ballast, Deduct</i>	-63.21	
26 51	13 00-0737	EA	Convert 2L F96 fixture to operate (4) F32T8 lamps Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i>	181.28 21.19	
			<i>For Retrofit Kit Without Ballast, Deduct</i>	-63.96	
26 51	13 00-0738	EA	Convert 1L UFB40 fixture to operate (2) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i>	110.31 6.35	
			<i>For Retrofit Kit Without Ballast, Deduct</i>	-36.23	
26 51	13 00-0739	EA	Convert 2L UFB40 fixture to operate (3) F17T8 lamps Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add</i>	114.33 6.35	
			<i>For Retrofit Kit Without Ballast, Deduct</i>	-36.83	

26 52 Emergency Lighting (26 50)

26 52 00 00-0001 Commercial Emergency Lights (26 52)

26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 00 00-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	142.75	25.07
26 52 00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	103.83	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	154.76	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	177.82	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	257.07	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	289.24	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	414.57	25.07
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	

26 52 00 00-0010 Remote Heads For Commercial Emergency Lights (26 52 00 00-0001)

Note: For use with fixtures that have remote capability.

26 52 00 00-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	95.34	15.04
26 52 00 00-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	95.92	15.04
26 52 00 00-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	97.86	15.04
26 52 00 00-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	97.55	15.04
26 52 00 00-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	85.60	15.04
26 52 00 00-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	61.88	15.04

26 52 00 00-0017 Industrial Emergency Lights (26 52)

26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0017)

26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	239.57	25.07
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	203.58	25.07
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	308.76	25.07
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	326.91	25.07
		<i>For Wireguard, Add</i>	113.97	



Electrical	26	26
Lighting	26 50	
Emergency Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	460.04	25.07
			<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	714.71	25.07
			<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
			<i>Note: For use with fixtures that have remote capability.</i>		
26 52 00 00-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	75.55	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	77.81	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	75.87	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	76.24	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	77.81	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	89.29	15.04
			<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
			<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
26 52 00 00-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	236.67	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	255.88	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	250.62	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	264.03	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	433.99	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	344.28	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	383.74	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	403.74	25.07
			<i>For Wireguard, Add</i>	110.81	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
			<i>Note: For use with fixtures that have remote capability.</i>		
26 52 00 00-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	66.87	15.04
26 52 00 00-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	71.45	15.04
26 52 00 00-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	66.92	15.04
26 52 00 00-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	70.29	15.04
26 52 00 00-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	61.64	15.04

26	Electrical
26 50	Lighting
26 52	Emergency Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0049		Outdoor Emergency Lights ^(26 52)		
26 52 00 00-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights ^(26 52 00 00-0049)		
		Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	363.48	25.07
26 52 00 00-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	430.57	25.07
26 52 00 00-0053		Recessed Emergency Lights ^(26 52)		
26 52 00 00-0054	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	393.59	25.07
		<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA	16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	331.93	50.14
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0056	EA	50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	461.95	50.14
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0057		Square Wraparound Emergency Lights ^(26 52)		
26 52 00 00-0058	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	188.52	25.07
26 53		Exit Signs ^(26 50)		
		Note: Excludes pendants.		
26 53 00 00-0001		LED Exit Signs ^(26 53)		
		Note: Includes red LED lamps.		
26 53 00 00-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	126.23	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	126.23	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	184.02	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	184.02	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	206.72	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	226.74	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	220.07	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	240.08	36.65
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	221.33	36.65
		Note: Includes two circular side mounted krypton emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	309.68	36.65
		Note: Includes two circular side mounted LED emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	267.36	36.65
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	278.24	36.65
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0014		Edge-Lit LED Exit Signs ^(26 53)		
		Note: Includes red LED lamps.		
26 53 00 00-0015	EA	Single Face, Edge-Lit LED Exit Sign.....	241.60	36.65
		<i>For Green LED Lamps, Add</i>	40.00	
26 53 00 00-0016	EA	Double Face, Edge-Lit LED Exit Sign	257.43	36.65
		<i>For Green LED Lamps, Add</i>	40.00	
26 53 00 00-0017	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	290.48	36.65
		<i>For Green LED Lamps, Add</i>	40.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0018	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	302.14	36.65
		<i>For Green LED Lamps, Add</i>	40.00	
		<i>For Self-Diagnostics, Add</i>	50.00	



Electrical	26	26
Lighting	26 50	
Exit Signs	26 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0019 Self-Luminous Tritium Exit Signs <small>(26 53)</small>		
<i>Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.</i>		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	319.56	36.65
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	565.56	36.65
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	375.60	36.65
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	610.54	36.65
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	347.45	36.65
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	610.54	36.65
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	420.33	36.65
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	751.56	36.65
26 53 00 00-0028 Vandal-Resistant LED Exit Signs <small>(26 53)</small>		
<i>Note: Includes red LED lamps.</i>		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	302.99	36.65
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	455.32	36.65
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	548.72	36.65
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture <small>(26 53)</small>		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures	75.21	
<i>Note: Includes storage and cleaning.</i>		
26 53 00 00-0034 Exit Sign Accessories <small>(26 53)</small>		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	72.69	10.04
26 53 00 00-0036 EA Wire Guard For Exit Signs	78.53	10.04
26 53 00 00-0037 EA Replacement Battery For Exit Signs	74.50	12.55
26 55 Special Purpose Lighting <small>(26 50)</small>		
26 55 61 Theatrical Lighting <small>(26 55)</small>		
26 55 61 00-0001 Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	410.59	121.93
<i>Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.</i>		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	410.59	121.93
<i>Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.</i>		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	410.59	121.93
<i>Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.</i>		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14.....	404.22	121.93
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak	302.28	121.93
<i>Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.</i>		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	459.43	121.93
<i>Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.</i>		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,202.70	121.93
<i>Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.</i>		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,563.71	121.93
<i>Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.</i>		
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel	284.27	121.93
<i>Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.</i>		
26 55 61 00-0011 EA 6' Long Borderlight Sections	732.40	121.93
<i>Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.</i>		
26 56 Exterior Lighting <small>(26 50)</small>		
26 56 13 Lighting Poles And Standards <small>(26 56)</small>		
26 56 13 00-0001 Poles And Standards <small>(26 56 13)</small>		
<i>See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.</i>		
26 56 13 00-0002 Roadway Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0003 Steel Roadway Light Poles <small>(26 56 13 00-0002)</small>		
<i>Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).</i>		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0005			Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006			Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,906.51	325.92
			<i>For Galvanized Finish, Add</i>	67.64	
			<i>For >10 To 20, Deduct</i>	-72.66	
			<i>For >20 To 40, Deduct</i>	-145.33	
			<i>For >40, Deduct</i>	-234.28	
26 56 13 00-0008	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,912.07	325.92
			<i>For Galvanized Finish, Add</i>	67.81	
			<i>For >10 To 20, Deduct</i>	-72.80	
			<i>For >20 To 40, Deduct</i>	-145.60	
			<i>For >40, Deduct</i>	-234.70	
26 56 13 00-0009	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,162.38	434.56
			<i>For Galvanized Finish, Add</i>	68.80	
			<i>For >10 To 20, Deduct</i>	-79.06	
			<i>For >20 To 40, Deduct</i>	-158.12	
			<i>For >40, Deduct</i>	-258.91	
26 56 13 00-0010	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,229.39	434.56
			<i>For Galvanized Finish, Add</i>	70.81	
			<i>For >10 To 20, Deduct</i>	-80.73	
			<i>For >20 To 40, Deduct</i>	-161.47	
			<i>For >40, Deduct</i>	-263.93	
26 56 13 00-0011	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,296.39	434.56
			<i>For Galvanized Finish, Add</i>	72.82	
			<i>For >10 To 20, Deduct</i>	-82.41	
			<i>For >20 To 40, Deduct</i>	-164.82	
			<i>For >40, Deduct</i>	-268.96	
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,419.14	488.88
			<i>For Galvanized Finish, Add</i>	73.24	
			<i>For >10 To 20, Deduct</i>	-85.48	
			<i>For >20 To 40, Deduct</i>	-170.96	
			<i>For >40, Deduct</i>	-280.88	
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,450.91	488.88
			<i>For Galvanized Finish, Add</i>	74.19	
			<i>For >10 To 20, Deduct</i>	-86.27	
			<i>For >20 To 40, Deduct</i>	-172.55	
			<i>For >40, Deduct</i>	-283.26	
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,456.96	488.88
			<i>For Galvanized Finish, Add</i>	74.38	
			<i>For >10 To 20, Deduct</i>	-86.42	
			<i>For >20 To 40, Deduct</i>	-172.85	
			<i>For >40, Deduct</i>	-283.72	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,624.08	516.05
			<i>For Galvanized Finish, Add</i>	77.76	
			<i>For >10 To 20, Deduct</i>	-90.60	
			<i>For >20 To 40, Deduct</i>	-181.20	
			<i>For >40, Deduct</i>	-297.61	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,648.08	516.05
			<i>For Galvanized Finish, Add</i>	78.48	
			<i>For >10 To 20, Deduct</i>	-91.20	
			<i>For >20 To 40, Deduct</i>	-182.40	
			<i>For >40, Deduct</i>	-299.41	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,674.29	516.05
			<i>For Galvanized Finish, Add</i>	79.27	
			<i>For >10 To 20, Deduct</i>	-91.86	
			<i>For >20 To 40, Deduct</i>	-183.71	
			<i>For >40, Deduct</i>	-301.37	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,198.06	543.20
			<i>For Galvanized Finish, Add</i>	93.35	
			<i>For >10 To 20, Deduct</i>	-104.95	
			<i>For >20 To 40, Deduct</i>	-209.90	
			<i>For >40, Deduct</i>	-342.01	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,206.60	543.20
			<i>For Galvanized Finish, Add</i>	93.61	
			<i>For >10 To 20, Deduct</i>	-105.17	
			<i>For >20 To 40, Deduct</i>	-210.33	
			<i>For >40, Deduct</i>	-342.66	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,215.05	543.20
For Galvanized Finish, Add	93.86	
For >10 To 20, Deduct	-105.38	
For >20 To 40, Deduct	-210.75	
For >40, Deduct	-343.29	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,623.30	380.25
For Galvanized Finish, Add	85.88	
For >10 To 20, Deduct	-90.58	
For >20 To 40, Deduct	-181.17	
For >40, Deduct	-290.76	
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,686.27	393.82
For Galvanized Finish, Add	86.96	
For >10 To 20, Deduct	-92.16	
For >20 To 40, Deduct	-184.31	
For >40, Deduct	-296.16	
26 56 13 00-0024 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,740.41	407.40
For Galvanized Finish, Add	87.77	
For >10 To 20, Deduct	-93.51	
For >20 To 40, Deduct	-187.02	
For >40, Deduct	-300.90	
26 56 13 00-0025 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,608.45	488.88
For Galvanized Finish, Add	78.92	
For >10 To 20, Deduct	-90.21	
For >20 To 40, Deduct	-180.42	
For >40, Deduct	-295.08	
26 56 13 00-0026 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,649.83	502.46
For Galvanized Finish, Add	79.35	
For >10 To 20, Deduct	-91.25	
For >20 To 40, Deduct	-182.49	
For >40, Deduct	-298.86	
26 56 13 00-0027 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,682.74	516.05
For Galvanized Finish, Add	79.52	
For >10 To 20, Deduct	-92.07	
For >20 To 40, Deduct	-184.14	
For >40, Deduct	-302.01	
26 56 13 00-0028 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,892.59	543.20
For Galvanized Finish, Add	84.19	
For >10 To 20, Deduct	-97.31	
For >20 To 40, Deduct	-194.63	
For >40, Deduct	-319.10	
26 56 13 00-0029 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,928.38	556.78
For Galvanized Finish, Add	84.44	
For >10 To 20, Deduct	-98.21	
For >20 To 40, Deduct	-196.42	
For >40, Deduct	-322.47	
26 56 13 00-0030 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,961.02	570.36
For Galvanized Finish, Add	84.61	
For >10 To 20, Deduct	-99.03	
For >20 To 40, Deduct	-198.05	
For >40, Deduct	-325.59	
26 56 13 00-0031 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,130.75	570.36
For Galvanized Finish, Add	89.70	
For >10 To 20, Deduct	-103.27	
For >20 To 40, Deduct	-206.54	
For >40, Deduct	-338.32	
26 56 13 00-0032 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,195.06	583.95
For Galvanized Finish, Add	90.82	
For >10 To 20, Deduct	-104.88	
For >20 To 40, Deduct	-209.75	
For >40, Deduct	-343.83	
26 56 13 00-0033 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,257.45	597.53
For Galvanized Finish, Add	91.87	
For >10 To 20, Deduct	-106.44	
For >20 To 40, Deduct	-212.87	
For >40, Deduct	-349.19	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0034 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,671.69	597.53
For Galvanized Finish, Add	104.30	
For >10 To 20, Deduct	-116.79	
For >20 To 40, Deduct	-233.58	
For >40, Deduct	-380.25	
26 56 13 00-0035 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,704.42	611.10
For Galvanized Finish, Add	104.47	
For >10 To 20, Deduct	-117.61	
For >20 To 40, Deduct	-235.22	
For >40, Deduct	-383.39	
26 56 13 00-0036 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,737.33	624.68
For Galvanized Finish, Add	104.64	
For >10 To 20, Deduct	-118.43	
For >20 To 40, Deduct	-236.87	
For >40, Deduct	-386.53	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,243.37	543.20
For Galvanized Finish, Add	94.71	
For >10 To 20, Deduct	-106.08	
For >20 To 40, Deduct	-212.17	
For >40, Deduct	-345.41	
26 56 13 00-0039 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,303.35	570.36
For Galvanized Finish, Add	94.88	
For >10 To 20, Deduct	-107.58	
For >20 To 40, Deduct	-215.17	
For >40, Deduct	-351.27	
26 56 13 00-0040 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,371.79	597.53
For Galvanized Finish, Add	95.30	
For >10 To 20, Deduct	-109.29	
For >20 To 40, Deduct	-218.59	
For >40, Deduct	-357.76	
26 56 13 00-0041 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,493.51	597.53
For Galvanized Finish, Add	98.95	
For >10 To 20, Deduct	-112.34	
For >20 To 40, Deduct	-224.68	
For >40, Deduct	-366.89	
26 56 13 00-0042 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,556.18	624.68
For Galvanized Finish, Add	99.20	
For >10 To 20, Deduct	-113.90	
For >20 To 40, Deduct	-227.81	
For >40, Deduct	-372.95	
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,616.17	651.85
For Galvanized Finish, Add	99.37	
For >10 To 20, Deduct	-115.40	
For >20 To 40, Deduct	-230.81	
For >40, Deduct	-378.81	
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,779.57	624.68
For Galvanized Finish, Add	105.91	
For >10 To 20, Deduct	-119.49	
For >20 To 40, Deduct	-238.98	
For >40, Deduct	-389.70	
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,839.56	651.85
For Galvanized Finish, Add	106.08	
For >10 To 20, Deduct	-120.99	
For >20 To 40, Deduct	-241.98	
For >40, Deduct	-395.56	
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,899.55	679.00
For Galvanized Finish, Add	106.25	
For >10 To 20, Deduct	-122.49	
For >20 To 40, Deduct	-244.98	
For >40, Deduct	-401.42	
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,145.32	651.85
For Galvanized Finish, Add	115.25	
For >10 To 20, Deduct	-128.63	
For >20 To 40, Deduct	-257.27	
For >40, Deduct	-418.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,205.02	679.00
			<i>For Galvanized Finish, Add</i>	115.41	
			<i>For >10 To 20, Deduct</i>	-130.13	
			<i>For >20 To 40, Deduct</i>	-260.25	
			<i>For >40, Deduct</i>	-424.33	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,270.67	706.16
			<i>For Galvanized Finish, Add</i>	115.75	
			<i>For >10 To 20, Deduct</i>	-131.77	
			<i>For >20 To 40, Deduct</i>	-263.53	
			<i>For >40, Deduct</i>	-430.61	
26 56 13 00-0050			Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,719.79	597.53
			<i>For Galvanized Finish, Add</i>	105.74	
			<i>For >10 To 20, Deduct</i>	-117.99	
			<i>For >20 To 40, Deduct</i>	-235.99	
			<i>For >40, Deduct</i>	-383.86	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,809.71	638.26
			<i>For Galvanized Finish, Add</i>	106.00	
			<i>For >10 To 20, Deduct</i>	-120.24	
			<i>For >20 To 40, Deduct</i>	-240.49	
			<i>For >40, Deduct</i>	-392.64	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,896.76	679.00
			<i>For Galvanized Finish, Add</i>	106.16	
			<i>For >10 To 20, Deduct</i>	-122.42	
			<i>For >20 To 40, Deduct</i>	-244.84	
			<i>For >40, Deduct</i>	-401.21	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,004.59	651.85
			<i>For Galvanized Finish, Add</i>	111.03	
			<i>For >10 To 20, Deduct</i>	-125.11	
			<i>For >20 To 40, Deduct</i>	-250.23	
			<i>For >40, Deduct</i>	-407.94	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,092.02	692.58
			<i>For Galvanized Finish, Add</i>	111.21	
			<i>For >10 To 20, Deduct</i>	-127.30	
			<i>For >20 To 40, Deduct</i>	-254.60	
			<i>For >40, Deduct</i>	-416.53	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,146.81	733.33
			<i>For Galvanized Finish, Add</i>	110.40	
			<i>For >10 To 20, Deduct</i>	-128.67	
			<i>For >20 To 40, Deduct</i>	-257.34	
			<i>For >40, Deduct</i>	-422.68	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,380.41	679.00
			<i>For Galvanized Finish, Add</i>	120.67	
			<i>For >10 To 20, Deduct</i>	-134.51	
			<i>For >20 To 40, Deduct</i>	-269.02	
			<i>For >40, Deduct</i>	-437.48	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,506.05	719.75
			<i>For Galvanized Finish, Add</i>	122.00	
			<i>For >10 To 20, Deduct</i>	-137.65	
			<i>For >20 To 40, Deduct</i>	-275.30	
			<i>For >40, Deduct</i>	-448.94	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,557.67	760.48
			<i>For Galvanized Finish, Add</i>	121.10	
			<i>For >10 To 20, Deduct</i>	-138.94	
			<i>For >20 To 40, Deduct</i>	-277.88	
			<i>For >40, Deduct</i>	-454.85	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,618.67	706.16
			<i>For Galvanized Finish, Add</i>	126.19	
			<i>For >10 To 20, Deduct</i>	-140.47	
			<i>For >20 To 40, Deduct</i>	-280.93	
			<i>For >40, Deduct</i>	-456.71	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,705.71	746.90
			<i>For Galvanized Finish, Add</i>	126.36	
			<i>For >10 To 20, Deduct</i>	-142.64	
			<i>For >20 To 40, Deduct</i>	-285.29	
			<i>For >40, Deduct</i>	-465.27	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,795.64	787.65
			<i>For Galvanized Finish, Add</i>	126.61	
			<i>For >10 To 20, Deduct</i>	-144.89	
			<i>For >20 To 40, Deduct</i>	-289.78	
			<i>For >40, Deduct</i>	-474.06	
26 56	13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56	13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56	13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,369.74	434.56
			<i>For Galvanized Finish, Add</i>	75.02	
			<i>For >10 To 20, Deduct</i>	-84.24	
			<i>For >20 To 40, Deduct</i>	-168.49	
			<i>For >40, Deduct</i>	-274.46	
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,813.50	488.88
			<i>For Galvanized Finish, Add</i>	85.07	
			<i>For >10 To 20, Deduct</i>	-95.34	
			<i>For >20 To 40, Deduct</i>	-190.68	
			<i>For >40, Deduct</i>	-310.46	
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,914.48	516.05
			<i>For Galvanized Finish, Add</i>	86.47	
			<i>For >10 To 20, Deduct</i>	-97.86	
			<i>For >20 To 40, Deduct</i>	-195.72	
			<i>For >40, Deduct</i>	-319.39	
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,684.59	543.20
			<i>For Galvanized Finish, Add</i>	107.95	
			<i>For >10 To 20, Deduct</i>	-117.11	
			<i>For >20 To 40, Deduct</i>	-234.23	
			<i>For >40, Deduct</i>	-378.50	
26 56	13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56	13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56	13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,370.73	434.56
			<i>For Galvanized Finish, Add</i>	105.05	
			<i>For >10 To 20, Deduct</i>	-109.27	
			<i>For >20 To 40, Deduct</i>	-218.54	
			<i>For >40, Deduct</i>	-349.53	
26 56	13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,413.64	434.56
			<i>For Galvanized Finish, Add</i>	106.34	
			<i>For >10 To 20, Deduct</i>	-110.34	
			<i>For >20 To 40, Deduct</i>	-220.68	
			<i>For >40, Deduct</i>	-352.75	
26 56	13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,433.23	434.56
			<i>For Galvanized Finish, Add</i>	106.92	
			<i>For >10 To 20, Deduct</i>	-110.83	
			<i>For >20 To 40, Deduct</i>	-221.66	
			<i>For >40, Deduct</i>	-354.22	
26 56	13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,522.27	488.88
			<i>For Galvanized Finish, Add</i>	106.34	
			<i>For >10 To 20, Deduct</i>	-113.06	
			<i>For >20 To 40, Deduct</i>	-226.11	
			<i>For >40, Deduct</i>	-363.61	
26 56	13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,529.76	488.88
			<i>For Galvanized Finish, Add</i>	106.56	
			<i>For >10 To 20, Deduct</i>	-113.24	
			<i>For >20 To 40, Deduct</i>	-226.49	
			<i>For >40, Deduct</i>	-364.18	
26 56	13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,607.14	488.88
			<i>For Galvanized Finish, Add</i>	108.88	
			<i>For >10 To 20, Deduct</i>	-115.18	
			<i>For >20 To 40, Deduct</i>	-230.36	
			<i>For >40, Deduct</i>	-369.98	
26 56	13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,602.03	516.05
			<i>For Galvanized Finish, Add</i>	107.10	
			<i>For >10 To 20, Deduct</i>	-115.05	
			<i>For >20 To 40, Deduct</i>	-230.10	
			<i>For >40, Deduct</i>	-370.95	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,647.34	516.05
For Galvanized Finish, Add	108.46	
For >10 To 20, Deduct	-116.18	
For >20 To 40, Deduct	-232.37	
For >40, Deduct	-374.35	
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,884.94	516.05
For Galvanized Finish, Add	115.59	
For >10 To 20, Deduct	-122.12	
For >20 To 40, Deduct	-244.25	
For >40, Deduct	-392.17	
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,729.64	543.20
For Galvanized Finish, Add	139.30	
For >10 To 20, Deduct	-143.24	
For >20 To 40, Deduct	-286.48	
For >40, Deduct	-456.88	
26 56 13 00-0082 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,825.05	570.36
For Galvanized Finish, Add	140.53	
For >10 To 20, Deduct	-145.63	
For >20 To 40, Deduct	-291.25	
For >40, Deduct	-465.40	
26 56 13 00-0083 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,040.65	597.53
For Galvanized Finish, Add	145.37	
For >10 To 20, Deduct	-151.02	
For >20 To 40, Deduct	-302.03	
For >40, Deduct	-482.93	
26 56 13 00-0084 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,814.47	597.53
For Galvanized Finish, Add	138.58	
For >10 To 20, Deduct	-145.36	
For >20 To 40, Deduct	-290.72	
For >40, Deduct	-465.96	
26 56 13 00-0085 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,081.04	624.68
For Galvanized Finish, Add	144.95	
For >10 To 20, Deduct	-152.03	
For >20 To 40, Deduct	-304.05	
For >40, Deduct	-487.31	
26 56 13 00-0086 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,239.82	651.85
For Galvanized Finish, Add	148.08	
For >10 To 20, Deduct	-156.00	
For >20 To 40, Deduct	-311.99	
For >40, Deduct	-500.58	
26 56 13 00-0087 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,987.34	624.68
For Galvanized Finish, Add	142.14	
For >10 To 20, Deduct	-149.68	
For >20 To 40, Deduct	-299.37	
For >40, Deduct	-480.28	
26 56 13 00-0088 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,344.46	651.85
For Galvanized Finish, Add	151.22	
For >10 To 20, Deduct	-158.61	
For >20 To 40, Deduct	-317.22	
For >40, Deduct	-508.43	
26 56 13 00-0089 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,554.30	679.00
For Galvanized Finish, Add	155.89	
For >10 To 20, Deduct	-163.86	
For >20 To 40, Deduct	-327.72	
For >40, Deduct	-525.52	
26 56 13 00-0090 Aluminum Roadway Light Poles <small>(26 56 13 00-0002)</small>		
Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,586.83	325.92
For >10 To 20, Deduct	-64.67	
For >20 To 40, Deduct	-129.34	
For >40, Deduct	-210.31	
26 56 13 00-0095 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,610.25	325.92
For >10 To 20, Deduct	-65.26	
For >20 To 40, Deduct	-130.51	
For >40, Deduct	-212.07	
26 56 13 00-0096 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,157.67	434.56
For >10 To 20, Deduct	-78.94	
For >20 To 40, Deduct	-157.88	
For >40, Deduct	-258.55	
26 56 13 00-0097 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,201.93	434.56
For >10 To 20, Deduct	-80.05	
For >20 To 40, Deduct	-160.10	
For >40, Deduct	-261.87	
26 56 13 00-0098 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,242.63	434.56
For >10 To 20, Deduct	-81.07	
For >20 To 40, Deduct	-162.13	
For >40, Deduct	-264.93	
26 56 13 00-0099 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,628.42	488.88
For >10 To 20, Deduct	-90.71	
For >20 To 40, Deduct	-181.42	
For >40, Deduct	-296.58	
26 56 13 00-0100 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,665.76	488.88
For >10 To 20, Deduct	-91.64	
For >20 To 40, Deduct	-183.29	
For >40, Deduct	-299.38	
26 56 13 00-0101 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,707.52	488.88
For >10 To 20, Deduct	-92.69	
For >20 To 40, Deduct	-185.38	
For >40, Deduct	-302.51	
26 56 13 00-0102 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,273.52	516.05
For >10 To 20, Deduct	-106.84	
For >20 To 40, Deduct	-213.68	
For >40, Deduct	-346.32	
26 56 13 00-0103 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,310.77	516.05
For >10 To 20, Deduct	-107.77	
For >20 To 40, Deduct	-215.54	
For >40, Deduct	-349.11	
26 56 13 00-0104 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,341.97	516.05
For >10 To 20, Deduct	-108.55	
For >20 To 40, Deduct	-217.10	
For >40, Deduct	-351.45	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,961.38	380.25
For >10 To 20, Deduct	-74.03	
For >20 To 40, Deduct	-148.07	
For >40, Deduct	-241.12	
26 56 13 00-0107 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,190.91	380.25
For >10 To 20, Deduct	-79.77	
For >20 To 40, Deduct	-159.55	
For >40, Deduct	-258.33	
26 56 13 00-0108 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,289.98	407.40
For >10 To 20, Deduct	-82.25	
For >20 To 40, Deduct	-164.50	
For >40, Deduct	-267.12	
26 56 13 00-0109 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,519.65	488.88
For >10 To 20, Deduct	-87.99	
For >20 To 40, Deduct	-175.98	
For >40, Deduct	-288.42	
26 56 13 00-0110 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,692.93	502.46
For >10 To 20, Deduct	-92.32	
For >20 To 40, Deduct	-184.65	
For >40, Deduct	-302.09	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,945.20	516.05
			<i>For >10 To 20, Deduct</i>	-98.63	
			<i>For >20 To 40, Deduct</i>	-197.26	
			<i>For >40, Deduct</i>	-321.69	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,070.86	543.20
			<i>For >10 To 20, Deduct</i>	-101.77	
			<i>For >20 To 40, Deduct</i>	-203.54	
			<i>For >40, Deduct</i>	-332.47	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,233.56	556.78
			<i>For >10 To 20, Deduct</i>	-105.84	
			<i>For >20 To 40, Deduct</i>	-211.68	
			<i>For >40, Deduct</i>	-345.36	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,433.34	570.36
			<i>For >10 To 20, Deduct</i>	-110.83	
			<i>For >20 To 40, Deduct</i>	-221.67	
			<i>For >40, Deduct</i>	-361.02	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,636.38	570.36
			<i>For >10 To 20, Deduct</i>	-115.91	
			<i>For >20 To 40, Deduct</i>	-231.82	
			<i>For >40, Deduct</i>	-376.25	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,086.13	583.95
			<i>For >10 To 20, Deduct</i>	-127.15	
			<i>For >20 To 40, Deduct</i>	-254.31	
			<i>For >40, Deduct</i>	-410.66	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,610.09	597.53
			<i>For >10 To 20, Deduct</i>	-140.25	
			<i>For >20 To 40, Deduct</i>	-280.50	
			<i>For >40, Deduct</i>	-450.63	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>					
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,439.53	434.56
			<i>For >10 To 20, Deduct</i>	-85.99	
			<i>For >20 To 40, Deduct</i>	-171.98	
			<i>For >40, Deduct</i>	-279.69	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,679.51	461.73
			<i>For >10 To 20, Deduct</i>	-91.99	
			<i>For >20 To 40, Deduct</i>	-183.98	
			<i>For >40, Deduct</i>	-299.05	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,176.55	543.20
			<i>For >10 To 20, Deduct</i>	-104.41	
			<i>For >20 To 40, Deduct</i>	-208.83	
			<i>For >40, Deduct</i>	-340.40	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,353.66	570.36
			<i>For >10 To 20, Deduct</i>	-108.84	
			<i>For >20 To 40, Deduct</i>	-217.68	
			<i>For >40, Deduct</i>	-355.04	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,559.37	597.53
			<i>For >10 To 20, Deduct</i>	-113.98	
			<i>For >20 To 40, Deduct</i>	-227.97	
			<i>For >40, Deduct</i>	-371.83	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,719.38	624.68
			<i>For >10 To 20, Deduct</i>	-117.98	
			<i>For >20 To 40, Deduct</i>	-235.97	
			<i>For >40, Deduct</i>	-385.19	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,939.22	624.68
			<i>For >10 To 20, Deduct</i>	-123.48	
			<i>For >20 To 40, Deduct</i>	-246.96	
			<i>For >40, Deduct</i>	-401.68	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,383.69	651.85
			<i>For >10 To 20, Deduct</i>	-134.59	
			<i>For >20 To 40, Deduct</i>	-269.18	
			<i>For >40, Deduct</i>	-436.37	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	6,195.28	679.00
			<i>For >10 To 20, Deduct</i>	-154.88	
			<i>For >20 To 40, Deduct</i>	-309.76	
			<i>For >40, Deduct</i>	-498.60	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0128		Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
	26 56	13 00-0129	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,547.58	488.88
			For >10 To 20, Deduct	-88.69	
			For >20 To 40, Deduct	-177.38	
			For >40, Deduct	-290.51	
	26 56	13 00-0130	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,688.13	488.88
			For >10 To 20, Deduct	-92.20	
			For >20 To 40, Deduct	-184.41	
			For >40, Deduct	-301.05	
	26 56	13 00-0131	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,568.11	597.53
			For >10 To 20, Deduct	-114.20	
			For >20 To 40, Deduct	-228.41	
			For >40, Deduct	-372.48	
	26 56	13 00-0132	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,949.20	638.26
			For >10 To 20, Deduct	-123.73	
			For >20 To 40, Deduct	-247.46	
			For >40, Deduct	-403.10	
	26 56	13 00-0133	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,167.79	651.85
			For >10 To 20, Deduct	-129.19	
			For >20 To 40, Deduct	-258.39	
			For >40, Deduct	-420.18	
	26 56	13 00-0134	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,517.78	692.58
			For >10 To 20, Deduct	-137.94	
			For >20 To 40, Deduct	-275.89	
			For >40, Deduct	-448.46	
	26 56	13 00-0135	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,444.92	679.00
			For >10 To 20, Deduct	-136.12	
			For >20 To 40, Deduct	-272.25	
			For >40, Deduct	-442.32	
	26 56	13 00-0136	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,214.43	719.75
			For >10 To 20, Deduct	-155.36	
			For >20 To 40, Deduct	-310.72	
			For >40, Deduct	-502.07	
	26 56	13 00-0137	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,892.84	760.48
			For >10 To 20, Deduct	-172.32	
			For >20 To 40, Deduct	-344.64	
			For >40, Deduct	-554.99	
26 56	13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56	13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
	26 56	13 00-0140	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,807.98	434.56
			For >10 To 20, Deduct	-95.20	
			For >20 To 40, Deduct	-190.40	
			For >40, Deduct	-307.33	
	26 56	13 00-0141	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,839.27	434.56
			For >10 To 20, Deduct	-95.98	
			For >20 To 40, Deduct	-191.96	
			For >40, Deduct	-309.67	
	26 56	13 00-0142	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,919.24	434.56
			For >10 To 20, Deduct	-97.98	
			For >20 To 40, Deduct	-195.96	
			For >40, Deduct	-315.67	
	26 56	13 00-0143	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,039.24	434.56
			For >10 To 20, Deduct	-100.98	
			For >20 To 40, Deduct	-201.96	
			For >40, Deduct	-324.67	
	26 56	13 00-0144	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,287.65	488.88
			For >10 To 20, Deduct	-107.19	
			For >20 To 40, Deduct	-214.38	
			For >40, Deduct	-346.02	
	26 56	13 00-0145	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,358.21	488.88
			For >10 To 20, Deduct	-108.96	
			For >20 To 40, Deduct	-217.91	
			For >40, Deduct	-351.31	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,433.47	488.88
			<i>For >10 To 20, Deduct</i>	-110.84	
			<i>For >20 To 40, Deduct</i>	-221.67	
			<i>For >40, Deduct</i>	-356.95	
26 56 13 00-0147	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,887.46	488.88
			<i>For >10 To 20, Deduct</i>	-122.19	
			<i>For >20 To 40, Deduct</i>	-244.37	
			<i>For >40, Deduct</i>	-391.00	
26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,664.82	516.05
			<i>For >10 To 20, Deduct</i>	-116.62	
			<i>For >20 To 40, Deduct</i>	-233.24	
			<i>For >40, Deduct</i>	-375.66	
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,247.34	516.05
			<i>For >10 To 20, Deduct</i>	-131.18	
			<i>For >20 To 40, Deduct</i>	-262.37	
			<i>For >40, Deduct</i>	-419.35	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,304.08	516.05
			<i>For >10 To 20, Deduct</i>	-132.60	
			<i>For >20 To 40, Deduct</i>	-265.20	
			<i>For >40, Deduct</i>	-423.61	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,664.27	516.05
			<i>For >10 To 20, Deduct</i>	-141.61	
			<i>For >20 To 40, Deduct</i>	-283.21	
			<i>For >40, Deduct</i>	-450.62	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,992.78	516.05
			<i>For >10 To 20, Deduct</i>	-149.82	
			<i>For >20 To 40, Deduct</i>	-299.64	
			<i>For >40, Deduct</i>	-475.26	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms					
<i>(26 56 13 00-0138)</i>					
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,950.51	543.20
			<i>For >10 To 20, Deduct</i>	-123.76	
			<i>For >20 To 40, Deduct</i>	-247.53	
			<i>For >40, Deduct</i>	-398.45	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,084.79	570.36
			<i>For >10 To 20, Deduct</i>	-127.12	
			<i>For >20 To 40, Deduct</i>	-254.24	
			<i>For >40, Deduct</i>	-409.88	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,190.57	597.53
			<i>For >10 To 20, Deduct</i>	-129.76	
			<i>For >20 To 40, Deduct</i>	-259.53	
			<i>For >40, Deduct</i>	-419.17	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,327.66	597.53
			<i>For >10 To 20, Deduct</i>	-133.19	
			<i>For >20 To 40, Deduct</i>	-266.38	
			<i>For >40, Deduct</i>	-429.45	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,798.80	624.68
			<i>For >10 To 20, Deduct</i>	-144.97	
			<i>For >20 To 40, Deduct</i>	-289.94	
			<i>For >40, Deduct</i>	-466.14	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,675.56	651.85
			<i>For >10 To 20, Deduct</i>	-166.89	
			<i>For >20 To 40, Deduct</i>	-333.78	
			<i>For >40, Deduct</i>	-533.26	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,458.42	624.68
			<i>For >10 To 20, Deduct</i>	-161.46	
			<i>For >20 To 40, Deduct</i>	-322.92	
			<i>For >40, Deduct</i>	-515.62	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,579.75	651.85
			<i>For >10 To 20, Deduct</i>	-164.49	
			<i>For >20 To 40, Deduct</i>	-328.99	
			<i>For >40, Deduct</i>	-526.07	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,040.47	679.00
			<i>For >10 To 20, Deduct</i>	-201.01	
			<i>For >20 To 40, Deduct</i>	-402.02	
			<i>For >40, Deduct</i>	-636.99	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0163		Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164		Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,133.83	325.92
		For >10 To 20, Deduct	-78.35	
		For >20 To 40, Deduct	-156.69	
		For >40, Deduct	-251.33	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,222.25	325.92
		For >10 To 20, Deduct	-80.56	
		For >20 To 40, Deduct	-161.11	
		For >40, Deduct	-257.97	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,310.86	325.92
		For >10 To 20, Deduct	-82.77	
		For >20 To 40, Deduct	-165.54	
		For >40, Deduct	-264.61	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,712.65	434.56
		For >10 To 20, Deduct	-92.82	
		For >20 To 40, Deduct	-185.63	
		For >40, Deduct	-300.18	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,780.04	434.56
		For >10 To 20, Deduct	-94.50	
		For >20 To 40, Deduct	-189.00	
		For >40, Deduct	-305.23	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,853.67	434.56
		For >10 To 20, Deduct	-96.34	
		For >20 To 40, Deduct	-192.68	
		For >40, Deduct	-310.75	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,190.69	488.88
		For >10 To 20, Deduct	-104.77	
		For >20 To 40, Deduct	-209.53	
		For >40, Deduct	-338.75	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,282.18	488.88
		For >10 To 20, Deduct	-107.05	
		For >20 To 40, Deduct	-214.11	
		For >40, Deduct	-345.61	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,295.90	488.88
		For >10 To 20, Deduct	-107.40	
		For >20 To 40, Deduct	-214.80	
		For >40, Deduct	-346.64	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,570.54	516.05
		For >10 To 20, Deduct	-114.26	
		For >20 To 40, Deduct	-228.53	
		For >40, Deduct	-368.59	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,610.67	516.05
		For >10 To 20, Deduct	-115.27	
		For >20 To 40, Deduct	-230.53	
		For >40, Deduct	-371.60	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,704.75	516.05
		For >10 To 20, Deduct	-117.62	
		For >20 To 40, Deduct	-235.24	
		For >40, Deduct	-378.66	
26 56 13 00-0177		Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0178		Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	777.35	190.12
		For Galvanized Finish, Add	11.91	
		For >10 To 20, Deduct	-25.39	
		For >20 To 40, Deduct	-46.81	
		For >40, Deduct	-97.59	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	853.66	217.28
		For Galvanized Finish, Add	12.57	
		For >10 To 20, Deduct	-27.63	
		For >20 To 40, Deduct	-51.07	
		For >40, Deduct	-106.32	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	955.28	244.45
For Galvanized Finish, Add	13.99	
For >10 To 20, Deduct	-30.88	
For >20 To 40, Deduct	-57.09	
For >40, Deduct	-118.85	
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,059.10	271.60
For Galvanized Finish, Add	15.48	
For >10 To 20, Deduct	-34.22	
For >20 To 40, Deduct	-63.27	
For >40, Deduct	-131.71	
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,135.43	298.76
For Galvanized Finish, Add	16.14	
For >10 To 20, Deduct	-36.45	
For >20 To 40, Deduct	-67.53	
For >40, Deduct	-140.44	
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,206.25	325.92
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-38.47	
For >20 To 40, Deduct	-71.40	
For >40, Deduct	-148.35	
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	805.95	190.12
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-26.53	
For >20 To 40, Deduct	-48.81	
For >40, Deduct	-101.88	
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	883.36	217.28
For Galvanized Finish, Add	13.46	
For >10 To 20, Deduct	-28.82	
For >20 To 40, Deduct	-53.14	
For >40, Deduct	-110.78	
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,014.68	244.45
For Galvanized Finish, Add	15.77	
For >10 To 20, Deduct	-33.25	
For >20 To 40, Deduct	-61.25	
For >40, Deduct	-127.76	
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,097.60	271.60
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-35.76	
For >20 To 40, Deduct	-65.97	
For >40, Deduct	-137.48	
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,177.23	298.76
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-38.13	
For >20 To 40, Deduct	-70.46	
For >40, Deduct	-146.71	
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,245.85	325.92
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-40.06	
For >20 To 40, Deduct	-74.17	
For >40, Deduct	-154.29	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,503.83	434.56
For Galvanized Finish, Add	19.04	
For >10 To 20, Deduct	-47.12	
For >20 To 40, Deduct	-87.89	
For >40, Deduct	-182.12	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	805.95	190.12
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-26.53	
For >20 To 40, Deduct	-48.81	
For >40, Deduct	-101.88	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	886.66	217.28
For Galvanized Finish, Add	13.56	
For >10 To 20, Deduct	-28.95	
For >20 To 40, Deduct	-53.38	
For >40, Deduct	-111.27	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,032.28	244.45
For Galvanized Finish, Add	16.30	
For >10 To 20, Deduct	-33.96	
For >20 To 40, Deduct	-62.48	
For >40, Deduct	-130.40	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,100.90	271.60
For Galvanized Finish, Add	16.73	
For >10 To 20, Deduct	-35.89	
For >20 To 40, Deduct	-66.20	
For >40, Deduct	-137.98	
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,177.23	298.76
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-38.13	
For >20 To 40, Deduct	-70.46	
For >40, Deduct	-146.71	
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,245.85	325.92
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-40.06	
For >20 To 40, Deduct	-74.17	
For >40, Deduct	-154.29	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,534.63	434.56
			<i>For Galvanized Finish, Add</i>	19.97	
			<i>For >10 To 20, Deduct</i>	-48.35	
			<i>For >20 To 40, Deduct</i>	-90.04	
			<i>For >40, Deduct</i>	-186.74	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,700.46	488.88
			<i>For Galvanized Finish, Add</i>	21.68	
			<i>For >10 To 20, Deduct</i>	-53.35	
			<i>For >20 To 40, Deduct</i>	-99.48	
			<i>For >40, Deduct</i>	-206.18	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,316.25	325.92
			<i>For Galvanized Finish, Add</i>	19.93	
			<i>For >10 To 20, Deduct</i>	-42.87	
			<i>For >20 To 40, Deduct</i>	-79.10	
			<i>For >40, Deduct</i>	-164.85	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,548.93	434.56
			<i>For Galvanized Finish, Add</i>	20.39	
			<i>For >10 To 20, Deduct</i>	-48.92	
			<i>For >20 To 40, Deduct</i>	-91.04	
			<i>For >40, Deduct</i>	-188.88	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,727.96	488.88
			<i>For Galvanized Finish, Add</i>	22.51	
			<i>For >10 To 20, Deduct</i>	-54.45	
			<i>For >20 To 40, Deduct</i>	-101.40	
			<i>For >40, Deduct</i>	-210.31	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,564.85	325.92
			<i>For Galvanized Finish, Add</i>	27.39	
			<i>For >10 To 20, Deduct</i>	-52.82	
			<i>For >20 To 40, Deduct</i>	-96.50	
			<i>For >40, Deduct</i>	-202.14	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,598.95	325.92
			<i>For Galvanized Finish, Add</i>	28.41	
			<i>For >10 To 20, Deduct</i>	-54.18	
			<i>For >20 To 40, Deduct</i>	-98.89	
			<i>For >40, Deduct</i>	-207.25	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,891.03	434.56
			<i>For Galvanized Finish, Add</i>	30.66	
			<i>For >10 To 20, Deduct</i>	-62.60	
			<i>For >20 To 40, Deduct</i>	-114.99	
			<i>For >40, Deduct</i>	-240.20	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,961.43	434.56
			<i>For Galvanized Finish, Add</i>	32.77	
			<i>For >10 To 20, Deduct</i>	-65.42	
			<i>For >20 To 40, Deduct</i>	-119.92	
			<i>For >40, Deduct</i>	-250.76	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,109.66	488.88
			<i>For Galvanized Finish, Add</i>	33.96	
			<i>For >10 To 20, Deduct</i>	-69.72	
			<i>For >20 To 40, Deduct</i>	-128.12	
			<i>For >40, Deduct</i>	-267.56	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,227.36	488.88
			<i>For Galvanized Finish, Add</i>	37.49	
			<i>For >10 To 20, Deduct</i>	-74.43	
			<i>For >20 To 40, Deduct</i>	-136.36	
			<i>For >40, Deduct</i>	-285.22	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,305.88	516.05
			<i>For Galvanized Finish, Add</i>	38.21	
			<i>For >10 To 20, Deduct</i>	-76.75	
			<i>For >20 To 40, Deduct</i>	-140.77	
			<i>For >40, Deduct</i>	-294.28	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,378.48	516.05
			<i>For Galvanized Finish, Add</i>	40.39	
			<i>For >10 To 20, Deduct</i>	-79.66	
			<i>For >20 To 40, Deduct</i>	-145.85	
			<i>For >40, Deduct</i>	-305.17	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,552.28	516.05
			<i>For Galvanized Finish, Add</i>	45.61	
			<i>For >10 To 20, Deduct</i>	-86.61	
			<i>For >20 To 40, Deduct</i>	-158.02	
			<i>For >40, Deduct</i>	-331.24	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,593.41	543.20
			<i>For Galvanized Finish, Add</i>	45.21	
			<i>For >10 To 20, Deduct</i>	-87.44	
			<i>For >20 To 40, Deduct</i>	-159.81	
			<i>For >40, Deduct</i>	-334.69	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,624.21	543.20
			<i>For Galvanized Finish, Add</i>	46.13	
			<i>For >10 To 20, Deduct</i>	-88.67	
			<i>For >20 To 40, Deduct</i>	-161.97	
			<i>For >40, Deduct</i>	-339.31	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,543.03 63.92 -120.54 -219.77 -460.84	706.16
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,753.71 63.72 -125.70 -230.17 -481.58	814.81
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,438.83 47.09 -84.52 -153.34 -322.37	434.56
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,765.26 53.63 -95.94 -174.01 -365.90	488.88
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,186.31 63.00 -111.16 -201.31 -423.63	543.20
26 56 13 00-0223 EA 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,886.23 74.22 -134.26 -243.79 -512.32	706.16
26 56 13 00-0224 EA 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,528.11 86.96 -156.68 -284.38 -597.74	814.81
26 56 13 00-0225 EA 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,975.81 100.39 -174.59 -315.71 -664.89	814.81
26 56 13 00-0226 EA 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,471.81 145.27 -234.43 -420.43 -889.29	814.81
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,197.81 167.05 -263.47 -471.25 -998.19	814.81
26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)		
26 56 13 00-0230 EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	768.55 11.65 -25.04 -46.19 -96.27	190.12
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	822.86 11.65 -26.40 -48.91 -101.70	217.28
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	895.88 12.21 -28.50 -52.93 -109.94	244.45
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	949.45 13.00 -30.24 -56.14 -116.62	258.02
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	976.60 13.00 -30.92 -57.50 -119.33	271.60
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,043.03 13.37 -32.76 -61.06 -126.58	298.76

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,107.25	325.92
For Galvanized Finish, Add	13.66	
For >10 To 20, Deduct	-34.51	
For >20 To 40, Deduct	-64.47	
For >40, Deduct	-133.50	
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,390.53	434.56
For Galvanized Finish, Add	15.64	
For >10 To 20, Deduct	-42.58	
For >20 To 40, Deduct	-79.95	
For >40, Deduct	-165.12	
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,255.75	325.92
For Galvanized Finish, Add	18.12	
For >10 To 20, Deduct	-40.45	
For >20 To 40, Deduct	-74.87	
For >40, Deduct	-155.77	
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,595.13	434.56
For Galvanized Finish, Add	21.78	
For >10 To 20, Deduct	-50.77	
For >20 To 40, Deduct	-94.28	
For >40, Deduct	-195.81	
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,823.66	488.88
For Galvanized Finish, Add	25.38	
For >10 To 20, Deduct	-58.28	
For >20 To 40, Deduct	-108.10	
For >40, Deduct	-224.66	
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,215.05	325.92
For Galvanized Finish, Add	16.90	
For >10 To 20, Deduct	-38.82	
For >20 To 40, Deduct	-72.02	
For >40, Deduct	-149.67	
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,515.93	434.56
For Galvanized Finish, Add	19.40	
For >10 To 20, Deduct	-47.60	
For >20 To 40, Deduct	-88.73	
For >40, Deduct	-183.93	
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,755.46	488.88
For Galvanized Finish, Add	23.33	
For >10 To 20, Deduct	-55.55	
For >20 To 40, Deduct	-103.33	
For >40, Deduct	-214.43	
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,354.75	325.92
For Galvanized Finish, Add	21.09	
For >10 To 20, Deduct	-44.41	
For >20 To 40, Deduct	-81.80	
For >40, Deduct	-170.62	
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,694.13	434.56
For Galvanized Finish, Add	24.75	
For >10 To 20, Deduct	-54.73	
For >20 To 40, Deduct	-101.21	
For >40, Deduct	-210.66	
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,917.16	488.88
For Galvanized Finish, Add	28.18	
For >10 To 20, Deduct	-62.02	
For >20 To 40, Deduct	-114.65	
For >40, Deduct	-238.69	
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,107.88	516.05
For Galvanized Finish, Add	32.27	
For >10 To 20, Deduct	-68.83	
For >20 To 40, Deduct	-126.91	
For >40, Deduct	-264.58	
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,133.86	488.88
For Galvanized Finish, Add	34.68	
For >10 To 20, Deduct	-70.69	
For >20 To 40, Deduct	-129.82	
For >40, Deduct	-271.19	
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,325.68	516.05
For Galvanized Finish, Add	38.81	
For >10 To 20, Deduct	-77.55	
For >20 To 40, Deduct	-142.16	
For >40, Deduct	-297.25	
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,458.11	543.20
For Galvanized Finish, Add	41.15	
For >10 To 20, Deduct	-82.03	
For >20 To 40, Deduct	-150.34	
For >40, Deduct	-314.40	
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,475.88	325.92
For Galvanized Finish, Add	54.72	
For >10 To 20, Deduct	-89.26	
For >20 To 40, Deduct	-160.27	
For >40, Deduct	-338.79	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,817.18 58.44 -99.65 -179.82 -379.12	434.56
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,852.45 86.24 -139.43 -250.12 -528.98	488.88
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,520.34 56.05 -91.04 -163.39 -345.46	325.92
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,075.75 66.20 -109.99 -197.92 -417.91	434.56
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,237.38 97.79 -154.83 -277.06 -586.72	488.88
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,828.73 113.90 -177.67 -317.37 -672.71	516.05
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,628.35 136.26 -208.84 -372.26 -789.93	543.20
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,405.68 52.61 -86.45 -155.36 -328.26	325.92
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,704.86 55.07 -95.16 -171.96 -362.27	434.56
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,654.72 80.31 -131.52 -236.28 -499.32	488.88
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,486.41 55.04 -89.68 -161.01 -340.37	325.92
26 56	13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,970.45 63.04 -105.78 -190.55 -402.11	434.56
26 56	13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,091.13 93.40 -148.98 -266.82 -564.78	488.88
26 56	13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,610.43 58.76 -94.64 -169.69 -358.97	325.92
26 56	13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,193.92 69.74 -114.72 -206.19 -435.63	434.56
26 56	13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,354.38 101.30 -159.51 -285.25 -604.27	488.88
26 56	13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,971.47 118.18 -183.38 -327.36 -694.12	516.05

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,704.40 138.54 -211.88 -377.58 -801.34	543.20
26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)					
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,935.55 38.51 -67.64 -122.45 -257.74	325.92
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,379.43 45.31 -82.14 -149.18 -313.46	434.56
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,651.96 50.23 -91.41 -166.08 -348.91	488.88
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,922.98 56.73 -101.44 -183.97 -386.84	516.05
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,080.71 59.83 -106.93 -193.92 -407.79	543.20
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,429.45 53.33 -87.40 -157.02 -331.83	325.92
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,766.63 56.93 -97.63 -176.28 -371.54	434.56
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,968.76 59.73 -104.08 -188.26 -396.43	488.88
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,259.16 68.44 -115.70 -208.59 -439.99	488.88
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,522.48 74.71 -125.42 -225.93 -476.77	516.05
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,882.18 85.50 -139.81 -251.11 -530.72	516.05
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,593.31 75.21 -127.44 -229.80 -484.68	543.20
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,478.81 101.77 -162.86 -291.79 -617.50	543.20
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,292.13 86.39 -150.50 -272.20 -573.20	706.16
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,896.03 104.51 -174.66 -314.48 -663.79	706.16



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,144.11 105.44 -181.32 -327.50 -690.14	814.81
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
26 56 13 00-0292 EA Festoon Outlet Provision For Steel Area Light Poles..... <i>Note: Excludes electrical outlet.</i>	54.00	
26 56 13 00-0293 EA Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294 EA Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295 Aluminum Area Light Poles <small>(26 56 13 00-0177)</small> <i>Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.</i>		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0298 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	754.92 42.90 85.80 -25.31 -46.33 -96.94	162.96
26 56 13 00-0299 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	831.25 45.10 90.20 -27.55 -50.58 -105.68	190.12
26 56 13 00-0300 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	913.06 47.85 95.70 -30.00 -55.22 -115.23	217.28
26 56 13 00-0301 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	995.98 50.71 101.42 -32.51 -59.94 -124.95	244.45
26 56 13 00-0302 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,041.85 52.58 105.16 -33.93 -62.61 -130.48	258.02
26 56 13 00-0303 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,086.60 54.34 108.68 -35.32 -65.20 -135.83	271.60
26 56 13 00-0304 EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,152.60 60.94 121.88 -37.96 -69.82 -145.73	271.60
26 56 13 00-0305 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,248.73 65.12 130.24 -40.99 -75.46 -157.43	298.76
26 56 13 00-0306 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,338.25 68.64 137.28 -43.75 -80.64 -168.15	325.92
26 56 13 00-0307 EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,284.95 76.89 153.78 -43.66 -79.63 -166.94	258.02

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0308	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,581.35	325.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.95	
			<i>For Black Anodized Finish, Add</i>	185.90	
			<i>For >10 To 20, Deduct</i>	-53.48	
			<i>For >20 To 40, Deduct</i>	-97.66	
			<i>For >40, Deduct</i>	-204.61	
26 56 13 00-0309	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,704.55	325.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.27	
			<i>For Black Anodized Finish, Add</i>	210.54	
			<i>For >10 To 20, Deduct</i>	-58.40	
			<i>For >20 To 40, Deduct</i>	-106.28	
			<i>For >40, Deduct</i>	-223.09	
26 56 13 00-0310	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,037.33	434.56
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.82	
			<i>For Black Anodized Finish, Add</i>	233.64	
			<i>For >10 To 20, Deduct</i>	-68.46	
			<i>For >20 To 40, Deduct</i>	-125.23	
			<i>For >40, Deduct</i>	-262.14	
26 56 13 00-0311	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,364.86	488.88
			<i>For Bronze Or Satin Anodized Finish, Add</i>	138.71	
			<i>For Black Anodized Finish, Add</i>	277.42	
			<i>For >10 To 20, Deduct</i>	-79.93	
			<i>For >20 To 40, Deduct</i>	-145.99	
			<i>For >40, Deduct</i>	-305.84	
26 56 13 00-0312	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,414.15	325.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	76.23	
			<i>For Black Anodized Finish, Add</i>	152.46	
			<i>For >10 To 20, Deduct</i>	-46.79	
			<i>For >20 To 40, Deduct</i>	-85.95	
			<i>For >40, Deduct</i>	-179.53	
26 56 13 00-0313	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,694.65	325.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.28	
			<i>For Black Anodized Finish, Add</i>	208.56	
			<i>For >10 To 20, Deduct</i>	-58.01	
			<i>For >20 To 40, Deduct</i>	-105.59	
			<i>For >40, Deduct</i>	-221.61	
26 56 13 00-0314	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,019.73	434.56
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.06	
			<i>For Black Anodized Finish, Add</i>	230.12	
			<i>For >10 To 20, Deduct</i>	-67.75	
			<i>For >20 To 40, Deduct</i>	-124.00	
			<i>For >40, Deduct</i>	-259.50	
26 56 13 00-0315	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,179.23	434.56
			<i>For Bronze Or Satin Anodized Finish, Add</i>	131.01	
			<i>For Black Anodized Finish, Add</i>	262.02	
			<i>For >10 To 20, Deduct</i>	-74.13	
			<i>For >20 To 40, Deduct</i>	-135.16	
			<i>For >40, Deduct</i>	-283.43	
26 56 13 00-0316	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,545.26	488.88
			<i>For Bronze Or Satin Anodized Finish, Add</i>	156.75	
			<i>For Black Anodized Finish, Add</i>	313.50	
			<i>For >10 To 20, Deduct</i>	-87.14	
			<i>For >20 To 40, Deduct</i>	-158.61	
			<i>For >40, Deduct</i>	-332.90	
26 56 13 00-0317			Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0318	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	867.12	162.96
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	81.18	
			<i>For >10 To 20, Deduct</i>	-29.80	
			<i>For >20 To 40, Deduct</i>	-54.18	
			<i>For >40, Deduct</i>	-113.77	
26 56 13 00-0319	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	965.45	190.12
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-32.91	
			<i>For >20 To 40, Deduct</i>	-59.98	
			<i>For >40, Deduct</i>	-125.81	
26 56 13 00-0320	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,059.36	217.28
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.72	
			<i>For >10 To 20, Deduct</i>	-35.86	
			<i>For >20 To 40, Deduct</i>	-65.46	
			<i>For >40, Deduct</i>	-137.18	
26 56 13 00-0321	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,132.38	244.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.53	
			<i>For >10 To 20, Deduct</i>	-37.96	
			<i>For >20 To 40, Deduct</i>	-69.49	
			<i>For >40, Deduct</i>	-145.41	
26 56 13 00-0322	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,218.60	271.60
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.31	
			<i>For >10 To 20, Deduct</i>	-40.60	
			<i>For >20 To 40, Deduct</i>	-74.44	
			<i>For >40, Deduct</i>	-155.63	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0323 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	988.55	190.12
For Bronze, Satin Or Black Anodized Finish, Add	91.25	
For >10 To 20, Deduct	-33.84	
For >20 To 40, Deduct	-61.59	
For >40, Deduct	-129.27	
26 56 13 00-0324 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,080.26	217.28
For Bronze, Satin Or Black Anodized Finish, Add	96.66	
For >10 To 20, Deduct	-36.69	
For >20 To 40, Deduct	-66.93	
For >40, Deduct	-140.31	
26 56 13 00-0325 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,175.28	244.45
For Bronze, Satin Or Black Anodized Finish, Add	102.96	
For >10 To 20, Deduct	-39.68	
For >20 To 40, Deduct	-72.49	
For >40, Deduct	-151.85	
26 56 13 00-0326 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,269.20	271.60
For Bronze, Satin Or Black Anodized Finish, Add	108.90	
For >10 To 20, Deduct	-42.62	
For >20 To 40, Deduct	-77.98	
For >40, Deduct	-163.22	
26 56 13 00-0327 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,368.63	298.76
For Bronze, Satin Or Black Anodized Finish, Add	115.67	
For >10 To 20, Deduct	-45.78	
For >20 To 40, Deduct	-83.85	
For >40, Deduct	-175.42	
26 56 13 00-0328 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,461.45	325.92
For Bronze, Satin Or Black Anodized Finish, Add	121.44	
For >10 To 20, Deduct	-48.68	
For >20 To 40, Deduct	-89.26	
For >40, Deduct	-186.63	
26 56 13 00-0329 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,123.16	217.28
For Bronze, Satin Or Black Anodized Finish, Add	103.29	
For >10 To 20, Deduct	-38.41	
For >20 To 40, Deduct	-69.93	
For >40, Deduct	-146.75	
26 56 13 00-0330 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,225.88	244.45
For Bronze, Satin Or Black Anodized Finish, Add	110.55	
For >10 To 20, Deduct	-41.70	
For >20 To 40, Deduct	-76.03	
For >40, Deduct	-159.44	
26 56 13 00-0331 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,327.50	271.60
For Bronze, Satin Or Black Anodized Finish, Add	117.65	
For >10 To 20, Deduct	-44.95	
For >20 To 40, Deduct	-82.06	
For >40, Deduct	-171.97	
26 56 13 00-0332 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,431.33	298.76
For Bronze, Satin Or Black Anodized Finish, Add	125.07	
For >10 To 20, Deduct	-48.29	
For >20 To 40, Deduct	-88.24	
For >40, Deduct	-184.82	
26 56 13 00-0333 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,389.10	271.60
For Bronze, Satin Or Black Anodized Finish, Add	126.89	
For >10 To 20, Deduct	-47.42	
For >20 To 40, Deduct	-86.37	
For >40, Deduct	-181.21	
26 56 13 00-0334 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,605.55	325.92
For Bronze, Satin Or Black Anodized Finish, Add	143.06	
For >10 To 20, Deduct	-54.44	
For >20 To 40, Deduct	-99.35	
For >40, Deduct	-208.24	
26 56 13 00-0335 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,163.86	217.28
For Bronze, Satin Or Black Anodized Finish, Add	109.40	
For >10 To 20, Deduct	-40.04	
For >20 To 40, Deduct	-72.78	
For >40, Deduct	-152.85	
26 56 13 00-0336 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,278.68	244.45
For Bronze, Satin Or Black Anodized Finish, Add	118.47	
For >10 To 20, Deduct	-43.81	
For >20 To 40, Deduct	-79.73	
For >40, Deduct	-167.36	
26 56 13 00-0337 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,382.50	271.60
For Bronze, Satin Or Black Anodized Finish, Add	125.90	
For >10 To 20, Deduct	-47.15	
For >20 To 40, Deduct	-85.91	
For >40, Deduct	-180.22	
26 56 13 00-0338 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,482.93	298.76
For Bronze, Satin Or Black Anodized Finish, Add	134.31	
For >10 To 20, Deduct	-50.75	
For >20 To 40, Deduct	-92.55	
For >40, Deduct	-194.06	
26 56 13 00-0339 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,600.05	325.92
For Bronze, Satin Or Black Anodized Finish, Add	142.23	
For >10 To 20, Deduct	-54.22	
For >20 To 40, Deduct	-98.97	
For >40, Deduct	-207.42	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0340	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,462.80 137.94 -50.36 -91.53 -192.26	271.60
26 56	13 00-0341	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,583.13 147.84 -54.36 -98.87 -207.59	298.76
26 56	13 00-0342	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,634.15 147.35 -55.59 -101.35 -212.53	325.92
26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0296)					
Note: Includes rubberized undercoating on embedded portion.					
26 56	13 00-0344	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	676.40 40.48 80.96 -22.98 -41.92 -87.88	135.80
26 56	13 00-0345	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	724.46 42.57 85.14 -24.50 -44.74 -93.73	149.38
26 56	13 00-0346	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	801.12 47.52 95.04 -27.16 -49.56 -103.87	162.96
26 56	13 00-0347	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	826.42 50.05 100.10 -28.17 -51.33 -107.67	162.96
26 56	13 00-0348	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	858.32 53.24 106.48 -29.44 -53.56 -112.45	162.96
26 56	13 00-0349	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	982.28 62.92 125.84 -34.00 -61.70 -129.69	176.55
26 56	13 00-0350	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,050.15 66.99 133.98 -36.30 -65.91 -138.51	190.12
26 56	13 00-0351	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,220.65 84.04 168.08 -43.12 -77.84 -164.09	190.12
26 56	13 00-0352	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,493.86 105.93 211.86 -53.24 -95.88 -202.35	217.28
26 56	13 00-0353	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,695.58 120.67 241.34 -60.49 -108.91 -229.89	244.45
26 56	13 00-0354	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,896.88 140.80 281.60 -68.54 -123.00 -260.09	244.45



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	637.22	162.96
For Bronze Or Satin Anodized Finish, Add	31.13	
For Black Anodized Finish, Add	62.26	
For >10 To 20, Deduct	-20.60	
For >20 To 40, Deduct	-38.09	
For >40, Deduct	-79.29	
26 56 13 00-0358 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	716.85	190.12
For Bronze Or Satin Anodized Finish, Add	33.66	
For Black Anodized Finish, Add	67.32	
For >10 To 20, Deduct	-22.97	
For >20 To 40, Deduct	-42.57	
For >40, Deduct	-88.52	
26 56 13 00-0359 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	796.46	217.28
For Bronze Or Satin Anodized Finish, Add	36.19	
For Black Anodized Finish, Add	72.38	
For >10 To 20, Deduct	-25.34	
For >20 To 40, Deduct	-47.06	
For >40, Deduct	-97.74	
26 56 13 00-0360 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	885.98	244.45
For Bronze Or Satin Anodized Finish, Add	39.71	
For Black Anodized Finish, Add	79.42	
For >10 To 20, Deduct	-28.11	
For >20 To 40, Deduct	-52.24	
For >40, Deduct	-108.45	
26 56 13 00-0361 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	974.40	271.60
For Bronze Or Satin Anodized Finish, Add	43.12	
For Black Anodized Finish, Add	86.24	
For >10 To 20, Deduct	-30.83	
For >20 To 40, Deduct	-57.34	
For >40, Deduct	-119.00	
26 56 13 00-0362 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	745.45	190.12
For Bronze Or Satin Anodized Finish, Add	36.52	
For Black Anodized Finish, Add	73.04	
For >10 To 20, Deduct	-24.11	
For >20 To 40, Deduct	-44.58	
For >40, Deduct	-92.81	
26 56 13 00-0363 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	841.56	217.28
For Bronze Or Satin Anodized Finish, Add	40.70	
For Black Anodized Finish, Add	81.40	
For >10 To 20, Deduct	-27.14	
For >20 To 40, Deduct	-50.22	
For >40, Deduct	-104.51	
26 56 13 00-0364 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	934.38	244.45
For Bronze Or Satin Anodized Finish, Add	44.55	
For Black Anodized Finish, Add	89.10	
For >10 To 20, Deduct	-30.04	
For >20 To 40, Deduct	-55.63	
For >40, Deduct	-115.71	
26 56 13 00-0365 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,112.33	298.76
For Bronze Or Satin Anodized Finish, Add	51.48	
For Black Anodized Finish, Add	102.96	
For >10 To 20, Deduct	-35.53	
For >20 To 40, Deduct	-65.91	
For >40, Deduct	-136.97	
26 56 13 00-0366 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,194.15	325.92
For Bronze Or Satin Anodized Finish, Add	54.23	
For Black Anodized Finish, Add	108.46	
For >10 To 20, Deduct	-37.99	
For >20 To 40, Deduct	-70.55	
For >40, Deduct	-146.53	
26 56 13 00-0367 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	882.26	217.28
For Bronze Or Satin Anodized Finish, Add	44.77	
For Black Anodized Finish, Add	89.54	
For >10 To 20, Deduct	-28.77	
For >20 To 40, Deduct	-53.07	
For >40, Deduct	-110.61	
26 56 13 00-0368 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	981.68	244.45
For Bronze Or Satin Anodized Finish, Add	49.28	
For Black Anodized Finish, Add	98.56	
For >10 To 20, Deduct	-31.93	
For >20 To 40, Deduct	-58.94	
For >40, Deduct	-122.81	
26 56 13 00-0369 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,088.80	271.60
For Bronze Or Satin Anodized Finish, Add	54.56	
For Black Anodized Finish, Add	109.12	
For >10 To 20, Deduct	-35.40	
For >20 To 40, Deduct	-65.35	
For >40, Deduct	-136.16	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,176.13 57.86 115.72 -38.08 -70.38 -146.54	298.76
26 56	13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,278.85 62.70 125.40 -41.38 -76.48 -159.24	325.92
26 56	13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,196.60 65.34 130.68 -39.72 -72.90 -152.33	271.60
26 56	13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,313.63 71.61 143.22 -43.58 -80.00 -167.17	298.76
26 56	13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,385.55 73.37 146.74 -45.64 -83.95 -175.24	325.92
26 56	13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,592.08 83.16 166.32 -52.28 -96.24 -200.79	380.25
26 56	13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,805.23 93.61 187.22 -59.17 -108.98 -227.33	434.56
26 56	13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,421.43 82.39 164.78 -47.89 -87.55 -183.34	298.76
26 56	13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,516.45 86.46 172.92 -50.88 -93.11 -194.88	325.92
26 56	13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,695.48 93.50 187.00 -56.41 -103.47 -216.30	380.25
26 56	13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,884.43 101.53 203.06 -62.34 -114.53 -239.21	434.56
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,027.85 110.44 220.88 -67.26 -123.48 -258.01	461.73
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,173.46 119.57 239.14 -72.27 -132.59 -277.13	488.88
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,797.78 103.73 207.46 -60.50 -110.64 -231.64	380.25



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,952.63 108.35 216.70 -65.07 -119.30 -249.44	434.56
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,101.55 117.81 235.62 -70.21 -128.64 -269.06	461.73
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,287.86 131.01 262.02 -76.85 -140.60 -294.29	488.88
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,364.53 135.96 271.92 -79.51 -145.42 -304.43	502.46
26 56	13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,524.78 149.27 298.54 -85.51 -156.09 -327.11	516.05
26 56	13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	927.36 49.28 98.56 -30.58 -56.22 -117.38	217.28
26 56	13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,034.48 54.56 109.12 -34.05 -62.64 -130.73	244.45
26 56	13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,146.00 60.28 120.56 -37.69 -69.36 -144.74	271.60
26 56	13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,245.43 64.79 129.58 -40.85 -75.23 -156.94	298.76
26 56	13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,343.75 69.19 138.38 -43.97 -81.03 -168.97	325.92
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,265.90 72.27 144.54 -42.49 -77.75 -162.73	271.60
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,386.23 78.87 157.74 -46.49 -85.09 -178.06	298.76
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,472.45 82.06 164.12 -49.12 -90.03 -188.28	325.92
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,673.48 91.30 182.60 -55.53 -101.93 -213.00	380.25

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,881.13	434.56
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.20	
			<i>For Black Anodized Finish, Add</i>	202.40	
			<i>For >10 To 20, Deduct</i>	-62.21	
			<i>For >20 To 40, Deduct</i>	-114.30	
			<i>For >40, Deduct</i>	-238.71	
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,922.08	380.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.16	
			<i>For Black Anodized Finish, Add</i>	232.32	
			<i>For >10 To 20, Deduct</i>	-65.48	
			<i>For >20 To 40, Deduct</i>	-119.34	
			<i>For >40, Deduct</i>	-250.29	
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,117.63	434.56
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.85	
			<i>For Black Anodized Finish, Add</i>	249.70	
			<i>For >10 To 20, Deduct</i>	-71.67	
			<i>For >20 To 40, Deduct</i>	-130.85	
			<i>For >40, Deduct</i>	-274.19	
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,279.75	461.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.63	
			<i>For Black Anodized Finish, Add</i>	271.26	
			<i>For >10 To 20, Deduct</i>	-77.34	
			<i>For >20 To 40, Deduct</i>	-141.11	
			<i>For >40, Deduct</i>	-295.79	
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,423.16	488.88
			<i>For Bronze Or Satin Anodized Finish, Add</i>	144.54	
			<i>For Black Anodized Finish, Add</i>	289.08	
			<i>For >10 To 20, Deduct</i>	-82.26	
			<i>For >20 To 40, Deduct</i>	-150.07	
			<i>For >40, Deduct</i>	-314.59	
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,557.03	502.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	155.21	
			<i>For Black Anodized Finish, Add</i>	310.42	
			<i>For >10 To 20, Deduct</i>	-87.21	
			<i>For >20 To 40, Deduct</i>	-158.89	
			<i>For >40, Deduct</i>	-333.31	
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,673.28	516.05
			<i>For Bronze Or Satin Anodized Finish, Add</i>	164.12	
			<i>For Black Anodized Finish, Add</i>	328.24	
			<i>For >10 To 20, Deduct</i>	-91.45	
			<i>For >20 To 40, Deduct</i>	-166.49	
			<i>For >40, Deduct</i>	-349.39	
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,771.95	529.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	171.27	
			<i>For Black Anodized Finish, Add</i>	342.54	
			<i>For >10 To 20, Deduct</i>	-94.99	
			<i>For >20 To 40, Deduct</i>	-172.85	
			<i>For >40, Deduct</i>	-362.83	
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,953.11	543.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	186.67	
			<i>For Black Anodized Finish, Add</i>	373.34	
			<i>For >10 To 20, Deduct</i>	-101.83	
			<i>For >20 To 40, Deduct</i>	-184.99	
			<i>For >40, Deduct</i>	-388.65	
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,754.95	461.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	183.15	
			<i>For Black Anodized Finish, Add</i>	366.30	
			<i>For >10 To 20, Deduct</i>	-96.35	
			<i>For >20 To 40, Deduct</i>	-174.38	
			<i>For >40, Deduct</i>	-367.07	
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,973.16	488.88
			<i>For Bronze Or Satin Anodized Finish, Add</i>	199.54	
			<i>For Black Anodized Finish, Add</i>	399.08	
			<i>For >10 To 20, Deduct</i>	-104.26	
			<i>For >20 To 40, Deduct</i>	-188.57	
			<i>For >40, Deduct</i>	-397.09	
26 56	13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,129.03	502.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	212.41	
			<i>For Black Anodized Finish, Add</i>	424.82	
			<i>For >10 To 20, Deduct</i>	-110.09	
			<i>For >20 To 40, Deduct</i>	-198.93	
			<i>For >40, Deduct</i>	-419.11	
26 56	13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,246.38	516.05
			<i>For Bronze Or Satin Anodized Finish, Add</i>	221.43	
			<i>For Black Anodized Finish, Add</i>	442.86	
			<i>For >10 To 20, Deduct</i>	-114.37	
			<i>For >20 To 40, Deduct</i>	-206.61	
			<i>For >40, Deduct</i>	-435.35	
26 56	13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,309.85	529.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	225.06	
			<i>For Black Anodized Finish, Add</i>	450.12	
			<i>For >10 To 20, Deduct</i>	-116.51	
			<i>For >20 To 40, Deduct</i>	-210.50	
			<i>For >40, Deduct</i>	-443.52	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,509.71 242.33 484.66 -124.09 -223.95 -472.14	543.20
26 56	13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,604.25 168.08 336.16 -90.32 -163.83 -344.47	461.73
26 56	13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,802.66 182.49 364.98 -97.44 -176.63 -371.51	488.88
26 56	13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,879.33 187.44 374.88 -100.10 -181.45 -381.65	502.46
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,082.48 205.04 410.08 -107.82 -195.13 -410.77	516.05
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,180.05 212.08 424.16 -111.31 -201.42 -424.05	529.63
26 56	13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,381.01 229.46 458.92 -118.94 -214.94 -452.83	543.20
26 56	13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,292.85 236.94 473.88 -117.86 -212.03 -447.76	461.73
26 56	13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,481.36 250.36 500.72 -124.59 -224.14 -473.32	488.88
26 56	13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,639.43 263.45 526.90 -130.50 -234.66 -495.67	502.46
26 56	13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,886.58 285.45 570.90 -139.98 -251.42 -531.38	516.05
26 56	13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,937.95 287.87 575.74 -141.63 -254.47 -537.73	529.63
26 56	13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,184.01 309.76 619.52 -151.06 -271.15 -573.28	543.20
26 56	13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,236.51 360.69 721.38 -185.02 -333.96 -704.00	814.81

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,372.91	814.81
For Bronze Or Satin Anodized Finish, Add	374.33	
For Black Anodized Finish, Add	748.66	
For >10 To 20, Deduct	-190.47	
For >20 To 40, Deduct	-343.51	
For >40, Deduct	-724.46	
26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0428 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	873.72	162.96
For Bronze, Satin Or Black Anodized Finish, Add	82.17	
For >10 To 20, Deduct	-30.06	
For >20 To 40, Deduct	-54.64	
For >40, Deduct	-114.76	
26 56 13 00-0429 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	951.15	190.12
For Bronze, Satin Or Black Anodized Finish, Add	85.64	
For >10 To 20, Deduct	-32.34	
For >20 To 40, Deduct	-58.98	
For >40, Deduct	-123.66	
26 56 13 00-0430 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,029.66	217.28
For Bronze, Satin Or Black Anodized Finish, Add	89.27	
For >10 To 20, Deduct	-34.67	
For >20 To 40, Deduct	-63.39	
For >40, Deduct	-132.72	
26 56 13 00-0431 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,110.38	244.45
For Bronze, Satin Or Black Anodized Finish, Add	93.23	
For >10 To 20, Deduct	-37.08	
For >20 To 40, Deduct	-67.95	
For >40, Deduct	-142.11	
26 56 13 00-0432 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,190.00	271.60
For Bronze, Satin Or Black Anodized Finish, Add	97.02	
For >10 To 20, Deduct	-39.45	
For >20 To 40, Deduct	-72.44	
For >40, Deduct	-151.34	
26 56 13 00-0433 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	964.35	190.12
For Bronze, Satin Or Black Anodized Finish, Add	87.62	
For >10 To 20, Deduct	-32.87	
For >20 To 40, Deduct	-59.90	
For >40, Deduct	-125.64	
26 56 13 00-0434 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,045.06	217.28
For Bronze, Satin Or Black Anodized Finish, Add	91.58	
For >10 To 20, Deduct	-35.28	
For >20 To 40, Deduct	-64.46	
For >40, Deduct	-135.03	
26 56 13 00-0435 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,127.98	244.45
For Bronze, Satin Or Black Anodized Finish, Add	95.87	
For >10 To 20, Deduct	-37.79	
For >20 To 40, Deduct	-69.18	
For >40, Deduct	-144.75	
26 56 13 00-0436 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,209.80	271.60
For Bronze, Satin Or Black Anodized Finish, Add	99.99	
For >10 To 20, Deduct	-40.24	
For >20 To 40, Deduct	-73.82	
For >40, Deduct	-154.31	
26 56 13 00-0437 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,305.93	298.76
For Bronze, Satin Or Black Anodized Finish, Add	106.26	
For >10 To 20, Deduct	-43.27	
For >20 To 40, Deduct	-79.46	
For >40, Deduct	-166.01	
26 56 13 00-0438 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,392.15	325.92
For Bronze, Satin Or Black Anodized Finish, Add	111.05	
For >10 To 20, Deduct	-45.91	
For >20 To 40, Deduct	-84.41	
For >40, Deduct	-176.23	
26 56 13 00-0439 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,087.96	217.28
For Bronze, Satin Or Black Anodized Finish, Add	98.01	
For >10 To 20, Deduct	-37.00	
For >20 To 40, Deduct	-67.47	
For >40, Deduct	-141.47	
26 56 13 00-0440 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,176.38	244.45
For Bronze, Satin Or Black Anodized Finish, Add	103.13	
For >10 To 20, Deduct	-39.72	
For >20 To 40, Deduct	-72.57	
For >40, Deduct	-152.01	
26 56 13 00-0441 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,278.00	271.60
For Bronze, Satin Or Black Anodized Finish, Add	110.22	
For >10 To 20, Deduct	-42.97	
For >20 To 40, Deduct	-78.60	
For >40, Deduct	-164.54	
26 56 13 00-0442 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,368.63	298.76
For Bronze, Satin Or Black Anodized Finish, Add	115.67	
For >10 To 20, Deduct	-45.78	
For >20 To 40, Deduct	-83.85	
For >40, Deduct	-175.42	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,473.55 123.26 -49.16 -90.11 -188.44	325.92
26 56	13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,340.70 119.63 -45.48 -82.99 -173.95	271.60
26 56	13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,453.33 128.37 -49.17 -89.78 -188.12	298.76
26 56	13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,541.75 133.49 -51.89 -94.89 -198.67	325.92
26 56	13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,122.06 103.13 -38.36 -69.85 -146.58	217.28
26 56	13 00-0448	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,228.08 110.88 -41.79 -76.19 -159.77	244.45
26 56	13 00-0449	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,340.70 119.63 -45.48 -82.99 -173.95	271.60
26 56	13 00-0450	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,440.13 126.39 -48.64 -88.86 -186.14	298.76
26 56	13 00-0451	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,547.25 134.31 -52.11 -95.27 -199.50	325.92
26 56	13 00-0452	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,412.20 130.35 -48.34 -87.99 -184.67	271.60
26 56	13 00-0453	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,533.63 140.42 -52.38 -95.40 -200.17	298.76
26 56	13 00-0454	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,627.55 146.36 -55.32 -100.89 -211.54	325.92
26 56	13 00-0455		Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56	13 00-0456	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	597.20 32.56 65.12 -19.81 -36.37 -76.00	135.80
26 56	13 00-0457	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	628.00 35.64 71.28 -21.05 -38.53 -80.62	135.80
26 56	13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	680.46 38.17 76.34 -22.74 -41.66 -87.13	149.38

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0459	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	725.22	162.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.93	
			<i>For Black Anodized Finish, Add</i>	79.86	
			<i>For >10 To 20, Deduct</i>	-24.12	
			<i>For >20 To 40, Deduct</i>	-44.25	
			<i>For >40, Deduct</i>	-92.49	
26 56 13 00-0460	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	764.82	162.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.89	
			<i>For Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-25.70	
			<i>For >20 To 40, Deduct</i>	-47.02	
			<i>For >40, Deduct</i>	-98.43	
26 56 13 00-0461	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	710.16	149.38
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.14	
			<i>For Black Anodized Finish, Add</i>	82.28	
			<i>For >10 To 20, Deduct</i>	-23.93	
			<i>For >20 To 40, Deduct</i>	-43.74	
			<i>For >40, Deduct</i>	-91.59	
26 56 13 00-0462	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	768.12	162.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.22	
			<i>For Black Anodized Finish, Add</i>	88.44	
			<i>For >10 To 20, Deduct</i>	-25.84	
			<i>For >20 To 40, Deduct</i>	-47.25	
			<i>For >40, Deduct</i>	-98.92	
26 56 13 00-0463	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	790.12	162.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.42	
			<i>For Black Anodized Finish, Add</i>	92.84	
			<i>For >10 To 20, Deduct</i>	-26.72	
			<i>For >20 To 40, Deduct</i>	-48.79	
			<i>For >40, Deduct</i>	-102.22	
26 56 13 00-0464	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	852.48	176.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.94	
			<i>For Black Anodized Finish, Add</i>	99.88	
			<i>For >10 To 20, Deduct</i>	-28.80	
			<i>For >20 To 40, Deduct</i>	-52.61	
			<i>For >40, Deduct</i>	-110.22	
26 56 13 00-0465	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	910.45	190.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.02	
			<i>For Black Anodized Finish, Add</i>	106.04	
			<i>For >10 To 20, Deduct</i>	-30.71	
			<i>For >20 To 40, Deduct</i>	-56.13	
			<i>For >40, Deduct</i>	-117.56	
26 56 13 00-0466	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	853.92	162.96
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.80	
			<i>For Black Anodized Finish, Add</i>	105.60	
			<i>For >10 To 20, Deduct</i>	-29.27	
			<i>For >20 To 40, Deduct</i>	-53.26	
			<i>For >40, Deduct</i>	-111.79	
26 56 13 00-0467	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	922.88	176.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.98	
			<i>For Black Anodized Finish, Add</i>	113.96	
			<i>For >10 To 20, Deduct</i>	-31.62	
			<i>For >20 To 40, Deduct</i>	-57.54	
			<i>For >40, Deduct</i>	-120.78	
26 56 13 00-0468	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	986.35	190.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.61	
			<i>For Black Anodized Finish, Add</i>	121.22	
			<i>For >10 To 20, Deduct</i>	-33.75	
			<i>For >20 To 40, Deduct</i>	-61.44	
			<i>For >40, Deduct</i>	-128.94	
26 56 13 00-0469	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,013.08	176.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-35.23	
			<i>For >20 To 40, Deduct</i>	-63.85	
			<i>For >40, Deduct</i>	-134.31	
26 56 13 00-0470	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,300.26	217.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.57	
			<i>For Black Anodized Finish, Add</i>	173.14	
			<i>For >10 To 20, Deduct</i>	-45.49	
			<i>For >20 To 40, Deduct</i>	-82.33	
			<i>For >40, Deduct</i>	-173.31	
26 56 13 00-0471	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,424.56	217.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.00	
			<i>For Black Anodized Finish, Add</i>	198.00	
			<i>For >10 To 20, Deduct</i>	-50.46	
			<i>For >20 To 40, Deduct</i>	-91.03	
			<i>For >40, Deduct</i>	-191.96	
26 56 13 00-0472	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,585.58	244.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	109.67	
			<i>For Black Anodized Finish, Add</i>	219.34	
			<i>For >10 To 20, Deduct</i>	-56.09	
			<i>For >20 To 40, Deduct</i>	-101.21	
			<i>For >40, Deduct</i>	-213.39	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0473 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,720.88	244.45
For Bronze Or Satin Anodized Finish, Add	123.20	
For Black Anodized Finish, Add	246.40	
For >10 To 20, Deduct	-61.50	
For >20 To 40, Deduct	-110.68	
For >40, Deduct	-233.69	
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0474)		
26 56 13 00-0476 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	780.22	162.96
For Bronze Or Satin Anodized Finish, Add	45.43	
For Black Anodized Finish, Add	90.86	
For >10 To 20, Deduct	-26.32	
For >20 To 40, Deduct	-48.10	
For >40, Deduct	-100.74	
26 56 13 00-0477 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	857.65	190.12
For Bronze Or Satin Anodized Finish, Add	47.74	
For Black Anodized Finish, Add	95.48	
For >10 To 20, Deduct	-28.60	
For >20 To 40, Deduct	-52.43	
For >40, Deduct	-109.64	
26 56 13 00-0478 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	943.86	217.28
For Bronze Or Satin Anodized Finish, Add	50.93	
For Black Anodized Finish, Add	101.86	
For >10 To 20, Deduct	-31.24	
For >20 To 40, Deduct	-57.38	
For >40, Deduct	-119.85	
26 56 13 00-0479 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,028.98	244.45
For Bronze Or Satin Anodized Finish, Add	54.01	
For Black Anodized Finish, Add	108.02	
For >10 To 20, Deduct	-33.83	
For >20 To 40, Deduct	-62.25	
For >40, Deduct	-129.90	
26 56 13 00-0480 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,075.95	258.02
For Bronze Or Satin Anodized Finish, Add	55.99	
For Black Anodized Finish, Add	111.98	
For >10 To 20, Deduct	-35.30	
For >20 To 40, Deduct	-65.00	
For >40, Deduct	-135.59	
26 56 13 00-0481 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,122.90	271.60
For Bronze Or Satin Anodized Finish, Add	57.97	
For Black Anodized Finish, Add	115.94	
For >10 To 20, Deduct	-36.77	
For >20 To 40, Deduct	-67.74	
For >40, Deduct	-141.28	
26 56 13 00-0482 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,214.63	298.76
For Bronze Or Satin Anodized Finish, Add	61.71	
For Black Anodized Finish, Add	123.42	
For >10 To 20, Deduct	-39.62	
For >20 To 40, Deduct	-73.07	
For >40, Deduct	-152.32	
26 56 13 00-0483 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,316.25	325.92
For Bronze Or Satin Anodized Finish, Add	66.44	
For Black Anodized Finish, Add	132.88	
For >10 To 20, Deduct	-42.87	
For >20 To 40, Deduct	-79.10	
For >40, Deduct	-164.85	
26 56 13 00-0484 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,198.80	271.60
For Bronze Or Satin Anodized Finish, Add	65.56	
For Black Anodized Finish, Add	131.12	
For >10 To 20, Deduct	-39.80	
For >20 To 40, Deduct	-73.05	
For >40, Deduct	-152.66	
26 56 13 00-0485 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,292.73	298.76
For Bronze Or Satin Anodized Finish, Add	69.52	
For Black Anodized Finish, Add	139.04	
For >10 To 20, Deduct	-42.75	
For >20 To 40, Deduct	-78.54	
For >40, Deduct	-164.03	
26 56 13 00-0486 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,400.95	325.92
For Bronze Or Satin Anodized Finish, Add	74.91	
For Black Anodized Finish, Add	149.82	
For >10 To 20, Deduct	-46.26	
For >20 To 40, Deduct	-85.03	
For >40, Deduct	-177.55	
26 56 13 00-0487 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,405.95	258.02
For Bronze Or Satin Anodized Finish, Add	88.99	
For Black Anodized Finish, Add	177.98	
For >10 To 20, Deduct	-48.50	
For >20 To 40, Deduct	-88.10	
For >40, Deduct	-185.09	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0488	EA	20'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,716.65 106.48 212.96 -58.89 -107.13 -224.91	325.92
26 56 13 00-0489	EA	25'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,071.43 120.23 240.46 -69.82 -127.62 -267.26	434.56
26 56 13 00-0490	EA	20'	High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,469.15 81.73 163.46 -48.99 -89.80 -187.78	325.92
26 56 13 00-0491	EA	20'	High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,849.75 119.79 239.58 -64.21 -116.45 -244.87	325.92
26 56 13 00-0492	EA	25'	High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,192.43 132.33 264.66 -74.66 -136.09 -285.41	434.56
26 56 13 00-0493	EA	20'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,058.75 140.69 281.38 -72.57 -131.08 -276.22	325.92
26 56 13 00-0494	EA	25'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,465.23 159.61 319.22 -85.57 -155.18 -326.33	434.56
26 56 13 00-0495	EA	30'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,857.66 187.99 375.98 -99.64 -180.48 -379.76	488.88
26 56 13 00-0496	Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>				
	Note: Includes rubberized undercoating on embedded portion.				
26 56 13 00-0497	EA	10'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	705.00 43.34 86.68 -24.13 -43.92 -92.17	135.80
26 56 13 00-0498	EA	12'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	788.26 48.95 97.90 -27.05 -49.20 -103.30	149.38
26 56 13 00-0499	EA	14'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	838.52 51.26 102.52 -28.65 -52.18 -109.48	162.96
26 56 13 00-0500	EA	15'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	866.02 54.01 108.02 -29.75 -54.10 -113.61	162.96
26 56 13 00-0501	EA	16'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	900.12 57.42 114.84 -31.12 -56.49 -118.72	162.96



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0502	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,043.88	176.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.08	
			<i>For Black Anodized Finish, Add</i>	138.16	
			<i>For >10 To 20, Deduct</i>	-36.46	
			<i>For >20 To 40, Deduct</i>	-66.01	
			<i>For >40, Deduct</i>	-138.93	
26 56 13 00-0503	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,118.35	190.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.81	
			<i>For Black Anodized Finish, Add</i>	147.62	
			<i>For >10 To 20, Deduct</i>	-39.03	
			<i>For >20 To 40, Deduct</i>	-70.68	
			<i>For >40, Deduct</i>	-148.74	
26 56 13 00-0504	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,291.05	190.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.08	
			<i>For Black Anodized Finish, Add</i>	182.16	
			<i>For >10 To 20, Deduct</i>	-45.94	
			<i>For >20 To 40, Deduct</i>	-82.77	
			<i>For >40, Deduct</i>	-174.65	
26 56 13 00-0505	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,483.96	217.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.94	
			<i>For Black Anodized Finish, Add</i>	209.88	
			<i>For >10 To 20, Deduct</i>	-52.84	
			<i>For >20 To 40, Deduct</i>	-95.19	
			<i>For >40, Deduct</i>	-200.87	
26 56 13 00-0506	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,870.06	217.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	143.55	
			<i>For Black Anodized Finish, Add</i>	287.10	
			<i>For >10 To 20, Deduct</i>	-68.28	
			<i>For >20 To 40, Deduct</i>	-122.21	
			<i>For >40, Deduct</i>	-258.78	
26 56 13 00-0507			Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0508	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00	
26 56 13 00-0509	EA		Extra Handhole For Aluminum Area Light Poles.....	41.00	
26 56 13 00-0510	EA		Festoon Outlet Provision For Aluminum Area Light Poles.....	42.00	
			Note: Excludes electrical outlet.		
26 56 13 00-0511	EA		Vibration Dampener For Aluminum Area Light Poles	59.00	
26 56 13 00-0512			Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513			Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0512)</small>		
26 56 13 00-0514			Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0513)</small>		
26 56 13 00-0515	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,027.05	190.12
			<i>For >10 To 20, Deduct</i>	-35.38	
			<i>For >20 To 40, Deduct</i>	-64.29	
			<i>For >40, Deduct</i>	-135.05	
26 56 13 00-0516	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,119.86	217.28
			<i>For >10 To 20, Deduct</i>	-38.28	
			<i>For >20 To 40, Deduct</i>	-69.70	
			<i>For >40, Deduct</i>	-146.25	
26 56 13 00-0517	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,213.78	244.45
			<i>For >10 To 20, Deduct</i>	-41.22	
			<i>For >20 To 40, Deduct</i>	-75.19	
			<i>For >40, Deduct</i>	-157.62	
26 56 13 00-0518	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,306.60	271.60
			<i>For >10 To 20, Deduct</i>	-44.12	
			<i>For >20 To 40, Deduct</i>	-80.60	
			<i>For >40, Deduct</i>	-168.83	
26 56 13 00-0519	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,419.23	298.76
			<i>For >10 To 20, Deduct</i>	-47.81	
			<i>For >20 To 40, Deduct</i>	-87.40	
			<i>For >40, Deduct</i>	-183.01	
26 56 13 00-0520	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,514.25	325.92
			<i>For >10 To 20, Deduct</i>	-50.79	
			<i>For >20 To 40, Deduct</i>	-92.96	
			<i>For >40, Deduct</i>	-194.55	
26 56 13 00-0521	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,662.48	380.25
			<i>For >10 To 20, Deduct</i>	-55.09	
			<i>For >20 To 40, Deduct</i>	-101.16	
			<i>For >40, Deduct</i>	-211.35	
26 56 13 00-0522	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,809.63	434.56
			<i>For >10 To 20, Deduct</i>	-59.35	
			<i>For >20 To 40, Deduct</i>	-109.29	
			<i>For >40, Deduct</i>	-227.99	
26 56 13 00-0523	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,898.73	434.56
			<i>For >10 To 20, Deduct</i>	-62.91	
			<i>For >20 To 40, Deduct</i>	-115.53	
			<i>For >40, Deduct</i>	-241.35	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0524 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,031.15	461.73
For >10 To 20, Deduct	-67.39	
For >20 To 40, Deduct	-123.71	
For >40, Deduct	-258.50	
26 56 13 00-0525 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,163.56	488.88
For >10 To 20, Deduct	-71.88	
For >20 To 40, Deduct	-131.89	
For >40, Deduct	-275.65	
26 56 13 00-0526 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,128.25	190.12
For >10 To 20, Deduct	-39.43	
For >20 To 40, Deduct	-71.37	
For >40, Deduct	-150.23	
26 56 13 00-0527 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,201.26	217.28
For >10 To 20, Deduct	-41.53	
For >20 To 40, Deduct	-75.40	
For >40, Deduct	-158.46	
26 56 13 00-0528 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,275.38	244.45
For >10 To 20, Deduct	-43.68	
For >20 To 40, Deduct	-79.50	
For >40, Deduct	-166.86	
26 56 13 00-0529 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,351.70	271.60
For >10 To 20, Deduct	-45.92	
For >20 To 40, Deduct	-83.76	
For >40, Deduct	-175.60	
26 56 13 00-0530 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,433.53	298.76
For >10 To 20, Deduct	-48.38	
For >20 To 40, Deduct	-88.40	
For >40, Deduct	-185.15	
26 56 13 00-0531 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,514.25	325.92
For >10 To 20, Deduct	-50.79	
For >20 To 40, Deduct	-92.96	
For >40, Deduct	-194.55	
26 56 13 00-0532 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,649.28	380.25
For >10 To 20, Deduct	-54.56	
For >20 To 40, Deduct	-100.24	
For >40, Deduct	-209.37	
26 56 13 00-0533 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,809.63	434.56
For >10 To 20, Deduct	-59.35	
For >20 To 40, Deduct	-109.29	
For >40, Deduct	-227.99	
26 56 13 00-0534 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,847.03	434.56
For >10 To 20, Deduct	-60.84	
For >20 To 40, Deduct	-111.91	
For >40, Deduct	-233.60	
26 56 13 00-0535 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,939.85	461.73
For >10 To 20, Deduct	-63.74	
For >20 To 40, Deduct	-117.32	
For >40, Deduct	-244.81	
26 56 13 00-0536 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,032.66	488.88
For >10 To 20, Deduct	-66.64	
For >20 To 40, Deduct	-122.73	
For >40, Deduct	-256.01	
26 56 13 00-0537 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,276.75	190.12
For >10 To 20, Deduct	-45.37	
For >20 To 40, Deduct	-81.77	
For >40, Deduct	-172.50	
26 56 13 00-0538 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,365.16	217.28
For >10 To 20, Deduct	-48.09	
For >20 To 40, Deduct	-86.87	
For >40, Deduct	-183.05	
26 56 13 00-0539 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,453.58	244.45
For >10 To 20, Deduct	-50.81	
For >20 To 40, Deduct	-91.97	
For >40, Deduct	-193.59	
26 56 13 00-0540 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,543.10	271.60
For >10 To 20, Deduct	-53.58	
For >20 To 40, Deduct	-97.15	
For >40, Deduct	-204.31	
26 56 13 00-0541 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,637.03	298.76
For >10 To 20, Deduct	-56.52	
For >20 To 40, Deduct	-102.64	
For >40, Deduct	-215.68	
26 56 13 00-0542 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,737.55	325.92
For >10 To 20, Deduct	-59.72	
For >20 To 40, Deduct	-108.59	
For >40, Deduct	-228.04	
26 56 13 00-0543 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,902.28	380.25
For >10 To 20, Deduct	-64.68	
For >20 To 40, Deduct	-117.95	
For >40, Deduct	-247.32	
26 56 13 00-0544 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,068.13	434.56
For >10 To 20, Deduct	-69.69	
For >20 To 40, Deduct	-127.39	
For >40, Deduct	-266.76	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0545	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,125.33	434.56
			<i>For >10 To 20, Deduct</i>	-71.98	
			<i>For >20 To 40, Deduct</i>	-131.39	
			<i>For >40, Deduct</i>	-275.34	
26 56 13 00-0546	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,269.85	461.73
			<i>For >10 To 20, Deduct</i>	-76.94	
			<i>For >20 To 40, Deduct</i>	-140.42	
			<i>For >40, Deduct</i>	-294.31	
26 56 13 00-0547	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,389.06	488.88
			<i>For >10 To 20, Deduct</i>	-80.90	
			<i>For >20 To 40, Deduct</i>	-147.68	
			<i>For >40, Deduct</i>	-309.47	
26 56 13 00-0548	EA		32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,481.13	502.46
			<i>For >10 To 20, Deduct</i>	-84.17	
			<i>For >20 To 40, Deduct</i>	-153.58	
			<i>For >40, Deduct</i>	-321.92	
26 56 13 00-0549	EA		34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,573.18	516.05
			<i>For >10 To 20, Deduct</i>	-87.45	
			<i>For >20 To 40, Deduct</i>	-159.48	
			<i>For >40, Deduct</i>	-334.37	
26 56 13 00-0550			Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0513)</small>		
26 56 13 00-0551	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	641.20	135.80
			<i>For >10 To 20, Deduct</i>	-21.57	
			<i>For >20 To 40, Deduct</i>	-39.45	
			<i>For >40, Deduct</i>	-82.60	
26 56 13 00-0552	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	689.26	149.38
			<i>For >10 To 20, Deduct</i>	-23.09	
			<i>For >20 To 40, Deduct</i>	-42.27	
			<i>For >40, Deduct</i>	-88.45	
26 56 13 00-0553	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	736.22	162.96
			<i>For >10 To 20, Deduct</i>	-24.56	
			<i>For >20 To 40, Deduct</i>	-45.02	
			<i>For >40, Deduct</i>	-94.14	
26 56 13 00-0554	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	754.92	162.96
			<i>For >10 To 20, Deduct</i>	-25.31	
			<i>For >20 To 40, Deduct</i>	-46.33	
			<i>For >40, Deduct</i>	-96.94	
26 56 13 00-0555	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	812.88	176.55
			<i>For >10 To 20, Deduct</i>	-27.22	
			<i>For >20 To 40, Deduct</i>	-49.84	
			<i>For >40, Deduct</i>	-104.28	
26 56 13 00-0556	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	862.05	190.12
			<i>For >10 To 20, Deduct</i>	-28.78	
			<i>For >20 To 40, Deduct</i>	-52.74	
			<i>For >40, Deduct</i>	-110.30	
26 56 13 00-0557	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	914.50	203.70
			<i>For >10 To 20, Deduct</i>	-30.47	
			<i>For >20 To 40, Deduct</i>	-55.87	
			<i>For >40, Deduct</i>	-116.81	
26 56 13 00-0558	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	972.46	217.28
			<i>For >10 To 20, Deduct</i>	-32.38	
			<i>For >20 To 40, Deduct</i>	-59.38	
			<i>For >40, Deduct</i>	-124.14	
26 56 13 00-0559	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,078.06	217.28
			<i>For >10 To 20, Deduct</i>	-36.60	
			<i>For >20 To 40, Deduct</i>	-66.77	
			<i>For >40, Deduct</i>	-139.98	
26 56 13 00-0560	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,210.83	230.86
			<i>For >10 To 20, Deduct</i>	-41.51	
			<i>For >20 To 40, Deduct</i>	-75.52	
			<i>For >40, Deduct</i>	-158.54	
26 56 13 00-0561	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,343.58	244.45
			<i>For >10 To 20, Deduct</i>	-46.41	
			<i>For >20 To 40, Deduct</i>	-84.27	
			<i>For >40, Deduct</i>	-177.09	
26 56 13 00-0562	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	742.40	135.80
			<i>For >10 To 20, Deduct</i>	-25.62	
			<i>For >20 To 40, Deduct</i>	-46.54	
			<i>For >40, Deduct</i>	-97.78	
26 56 13 00-0563	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	795.96	149.38
			<i>For >10 To 20, Deduct</i>	-27.36	
			<i>For >20 To 40, Deduct</i>	-49.74	
			<i>For >40, Deduct</i>	-104.46	
26 56 13 00-0564	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	849.52	162.96
			<i>For >10 To 20, Deduct</i>	-29.09	
			<i>For >20 To 40, Deduct</i>	-52.95	
			<i>For >40, Deduct</i>	-111.13	
26 56 13 00-0565	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	877.02	162.96
			<i>For >10 To 20, Deduct</i>	-30.19	
			<i>For >20 To 40, Deduct</i>	-54.87	
			<i>For >40, Deduct</i>	-115.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	930.58	176.55
			<i>For >10 To 20, Deduct</i>	-31.93	
			<i>For >20 To 40, Deduct</i>	-58.08	
			<i>For >40, Deduct</i>	-121.93	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	984.15	190.12
			<i>For >10 To 20, Deduct</i>	-33.66	
			<i>For >20 To 40, Deduct</i>	-61.29	
			<i>For >40, Deduct</i>	-128.61	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,037.70	203.70
			<i>For >10 To 20, Deduct</i>	-35.40	
			<i>For >20 To 40, Deduct</i>	-64.49	
			<i>For >40, Deduct</i>	-135.29	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,116.56	217.28
			<i>For >10 To 20, Deduct</i>	-38.14	
			<i>For >20 To 40, Deduct</i>	-69.47	
			<i>For >40, Deduct</i>	-145.76	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,218.86	217.28
			<i>For >10 To 20, Deduct</i>	-42.24	
			<i>For >20 To 40, Deduct</i>	-76.63	
			<i>For >40, Deduct</i>	-161.10	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,349.43	230.86
			<i>For >10 To 20, Deduct</i>	-47.05	
			<i>For >20 To 40, Deduct</i>	-85.23	
			<i>For >40, Deduct</i>	-179.33	
26 56	13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,478.88	244.45
			<i>For >10 To 20, Deduct</i>	-51.82	
			<i>For >20 To 40, Deduct</i>	-93.74	
			<i>For >40, Deduct</i>	-197.39	
26 56	13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	831.50	135.80
			<i>For >10 To 20, Deduct</i>	-29.19	
			<i>For >20 To 40, Deduct</i>	-52.77	
			<i>For >40, Deduct</i>	-111.15	
26 56	13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	878.46	149.38
			<i>For >10 To 20, Deduct</i>	-30.66	
			<i>For >20 To 40, Deduct</i>	-55.52	
			<i>For >40, Deduct</i>	-116.83	
26 56	13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	924.32	162.96
			<i>For >10 To 20, Deduct</i>	-32.08	
			<i>For >20 To 40, Deduct</i>	-58.18	
			<i>For >40, Deduct</i>	-122.35	
26 56	13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	943.02	162.96
			<i>For >10 To 20, Deduct</i>	-32.83	
			<i>For >20 To 40, Deduct</i>	-59.49	
			<i>For >40, Deduct</i>	-125.16	
26 56	13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	988.88	176.55
			<i>For >10 To 20, Deduct</i>	-34.26	
			<i>For >20 To 40, Deduct</i>	-62.16	
			<i>For >40, Deduct</i>	-130.68	
26 56	13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,035.85	190.12
			<i>For >10 To 20, Deduct</i>	-35.73	
			<i>For >20 To 40, Deduct</i>	-64.90	
			<i>For >40, Deduct</i>	-136.37	
26 56	13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,120.20	203.70
			<i>For >10 To 20, Deduct</i>	-38.70	
			<i>For >20 To 40, Deduct</i>	-70.27	
			<i>For >40, Deduct</i>	-147.66	
26 56	13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,217.76	217.28
			<i>For >10 To 20, Deduct</i>	-42.19	
			<i>For >20 To 40, Deduct</i>	-76.55	
			<i>For >40, Deduct</i>	-160.94	
26 56	13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,281.56	217.28
			<i>For >10 To 20, Deduct</i>	-44.74	
			<i>For >20 To 40, Deduct</i>	-81.02	
			<i>For >40, Deduct</i>	-170.51	
26 56	13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,373.63	230.86
			<i>For >10 To 20, Deduct</i>	-48.02	
			<i>For >20 To 40, Deduct</i>	-86.92	
			<i>For >40, Deduct</i>	-182.96	
26 56	13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,465.68	244.45
			<i>For >10 To 20, Deduct</i>	-51.29	
			<i>For >20 To 40, Deduct</i>	-92.82	
			<i>For >40, Deduct</i>	-195.41	

26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)

26 56	13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56	13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56	13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56	13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles.....	78.00	
			Note: Excludes electrical outlet.		
26 56	13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles.....	98.00	

26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base <small>(26 56 13 00-0590)</small>		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,861.62	461.73
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	1,962.85	488.88
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,035.84	502.46
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,525.31	516.05
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,803.61	543.20
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,471.98	706.16
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,160.71	869.13
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,012.25	461.73
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,628.17	488.88
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	448.23	162.96
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,404.24	325.82
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	174.87	66.49
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	356.78	132.98
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0590)</small>		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,984.31	217.28
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,243.68	271.60
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,478.98	325.92
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,456.06	488.88
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,982.71	516.05
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,552.06	543.20
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,281.15	706.16
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0590)</small>		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	10,082.21	1,222.21
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	12,001.66	1,505.86
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	14,298.36	2,034.23
26 56 13 00-0617 Treated Wood Area Light Poles <small>(26 56 13 00-0177)</small>		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618 Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0618)</small>		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	808.62	135.80
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	864.17	156.44
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	931.34	162.96
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,135.59	190.12
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,312.85	206.42
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,497.98	222.72
26 56 13 00-0626 Landscape Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0627 Aluminum Landscape Light Poles <small>(26 56 13 00-0626)</small>		
Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0627)</small>		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0628)</small>		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	423.81	162.96
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	744.36	217.28
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0628)</small>		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	377.74	162.96
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	698.30	217.28
26 56 13 00-0635 Steel Landscape Light Poles <small>(26 56 13 00-0626)</small>		
Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0635)</small>		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0636)</small>		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	392.50	162.96
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0636)</small>		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	377.59	162.96
26 56 13 00-0641 Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0642 Light Pole Brackets (26 56 13 00-0641)		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	332.20	32.59
For Galvanized Finish, Add	26.70	
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	412.76	32.59
For Galvanized Finish, Add	34.76	
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	437.36	32.59
For Galvanized Finish, Add	37.22	
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	589.15	32.59
For Galvanized Finish, Add	52.40	
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	612.79	32.59
For Galvanized Finish, Add	54.76	
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	244.49	32.59
For Bronze Or Satin Anodized Finish, Add	17.93	
For Black Anodized Finish, Add	35.86	
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	301.69	32.59
For Bronze Or Satin Anodized Finish, Add	23.65	
For Black Anodized Finish, Add	47.30	
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	317.09	32.59
For Bronze Or Satin Anodized Finish, Add	25.19	
For Black Anodized Finish, Add	50.38	
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	370.99	32.59
For Bronze Or Satin Anodized Finish, Add	30.58	
For Black Anodized Finish, Add	61.16	
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	381.99	32.59
For Bronze Or Satin Anodized Finish, Add	31.68	
For Black Anodized Finish, Add	63.36	
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0658 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657) Note: Includes powdercoat finish.		
26 56 13 00-0659 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	355.21	32.59
For Galvanized Finish, Add	29.00	
26 56 13 00-0660 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	432.37	32.59
For Galvanized Finish, Add	36.72	
26 56 13 00-0661 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	523.00	32.59
For Galvanized Finish, Add	45.78	
26 56 13 00-0662 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	614.06	32.59
For Galvanized Finish, Add	54.89	
26 56 13 00-0663 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663) Note: Includes powdercoat finish.		
26 56 13 00-0665 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	355.62	54.32
26 56 13 00-0666 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	513.56	54.32
26 56 13 00-0667 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	700.44	54.32
26 56 13 00-0668 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	761.92	54.32
26 56 13 00-0669 Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670 Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671 Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0672 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	220.95	48.89
26 56 13 00-0673 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	235.95	54.32
26 56 13 00-0674 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	277.63	67.90
26 56 13 00-0675 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	311.63	54.32
26 56 13 00-0676 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	353.10	67.90
26 56 13 00-0677 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	427.85	81.48
26 56 13 00-0678 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0679 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	231.81	54.32
26 56 13 00-0680 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	294.99	54.32
26 56 13 00-0681 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	397.20	67.90
26 56 13 00-0682 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	525.59	81.48
26 56 13 00-0683 Area Light Arms (26 56 13 00-0669)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0684 Steel Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0685 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	390.24	54.32
26 56 13 00-0686 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	591.41	59.75
26 56 13 00-0687 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	656.17	65.19
26 56 13 00-0688 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	773.73	70.61
26 56 13 00-0689 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	468.00	67.90
26 56 13 00-0690 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	649.37	73.33
26 56 13 00-0691 Aluminum Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	287.94	54.32
26 56 13 00-0693 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	354.70	67.90
26 56 13 00-0694 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	423.66	81.48
26 56 13 00-0695 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	285.74	54.32
26 56 13 00-0696 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	415.41	59.75
26 56 13 00-0697 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	350.30	67.90
26 56 13 00-0698 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	506.37	73.33
26 56 13 00-0699 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	425.86	81.48
26 56 13 00-0700 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	616.02	86.92
26 56 13 00-0701 Removal And Reinstallation Of Lighting Pole <small>(26 56 13 00-0001)</small>		
26 56 13 00-0702 EA Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'.....	1,792.57	
26 56 13 00-0703 High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0704 High Mast Lighting Assemblies <small>(26 56 13 00-0703)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705 EA 60'-100' High Mast Lighting Assembly.....	23,918.85	2,826.79
26 56 13 00-0706 EA 110' High Mast Lighting Assembly.....	25,723.26	3,104.19
26 56 13 00-0707 EA 120' High Mast Lighting Assembly.....	27,090.46	3,394.79
26 56 13 00-0708 EA 130' High Mast Lighting Assembly.....	28,355.91	3,672.19
26 56 13 00-0709 EA 140' High Mast Lighting Assembly.....	29,723.12	3,962.79
26 56 13 00-0710 EA 150' High Mast Lighting Assembly.....	31,313.73	4,246.84
26 56 13 00-0711 High Mast Light Poles <small>(26 56 13 00-0703)</small>		
26 56 13 00-0712 EA 60'-100' High Mast Light Poles.....	14,542.52	2,261.44
26 56 13 00-0713 EA 110' High Mast Light Poles.....	15,925.56	2,483.35
26 56 13 00-0714 EA 120' High Mast Light Poles.....	17,003.47	2,715.83
26 56 13 00-0715 EA 130' High Mast Light Poles.....	17,979.65	2,937.75
26 56 13 00-0716 EA 140' High Mast Light Poles.....	19,057.58	3,170.23
26 56 13 00-0717 EA 150' High Mast Light Poles.....	20,237.20	3,397.43
26 56 13 00-0718 High Mast Lighting Accessories <small>(26 56 13 00-0703)</small>		
See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719 EA Bottom Latching System.....	349.10	
26 56 13 00-0720 EA Top Latching System.....	911.65	
26 56 13 00-0721 EA Centering Springs.....	689.36	
26 56 13 00-0722 EA Electric Power Cord.....	309.65	
26 56 13 00-0723 EA Aircraft Warning Lights.....	729.97	
26 56 13 00-0724 EA Internal Motorized Hoist.....	5,194.73	
26 56 13 00-0725 EA Portable Hoist Motor With Step Down Transformer.....	5,279.50	
26 56 13 00-0726 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0727 Concrete Bases, Cast In Place <small>(26 56 13 00-0726)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0728 VLF 2' Diameter Concrete Base For Poles.....	77.20	
26 56 13 00-0729 VLF 2-1/2' Diameter Concrete Base For Poles.....	97.50	
26 56 13 00-0730 VLF 3' Diameter Concrete Base For Poles.....	118.23	
26 56 13 00-0731 VLF 3-1/2' Diameter Concrete Base For Poles.....	146.07	
26 56 13 00-0732 VLF 4' Diameter Concrete Base For Poles.....	174.58	
26 56 13 00-0733 VLF 5' Diameter Concrete Base For Poles.....	240.46	
26 56 13 00-0734 VLF 6' Diameter Concrete Base For Poles.....	319.18	
26 56 19 Roadway Lighting <small>(26 56)</small>		
26 56 19 00-0001 Metal Halide, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0002 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	633.64	221.31
26 56 19 00-0003 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	716.84	240.23
26 56 19 00-0004 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	839.31	258.42
26 56 19 00-0005 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	1,056.31	302.87

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0006 High Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0007 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	525.32	258.42
26 56 19 00-0008 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	539.43	258.42
26 56 19 00-0009 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	563.21	258.42
26 56 19 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	618.27	258.42
26 56 19 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	718.24	258.42
26 56 19 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	996.55	258.42
26 56 19 00-0013 Low Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	610.12	140.58
26 56 19 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	631.90	206.73
26 56 19 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	743.56	206.73
26 56 19 00-0017 Street Light Accessories <small>(26 56 19)</small>		
26 56 19 00-0018 Photo Controls <small>(26 56 19 00-0017)</small>		
26 56 19 00-0019 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	72.90	
26 56 19 00-0020 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	81.21	
26 56 19 00-0021 High Mast Fixtures <small>(26 56 19)</small>		
26 56 19 00-0022 Metal Halide <small>(26 56 19 00-0021)</small>		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,048.93	135.72
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,116.57	135.72
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,122.29	155.05
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,162.88	155.05
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,194.28	193.82
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,234.86	193.82
26 56 19 00-0029 High Pressure Sodium <small>(26 56 19 00-0021)</small>		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,088.19	135.72
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,128.78	135.72
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,307.79	143.48
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,343.58	155.05
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,435.86	193.82
26 56 19 00-0035 LED Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0036)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	902.69	131.71
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,361.27	135.27
26 56 19 00-0040 LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0040)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,266.09	124.60
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,040.33	128.16
26 56 19 00-0044 LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0045 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0044)</small>		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0046 EA 20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	588.10	121.04
26 56 19 00-0047 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	654.87	124.60
26 56 19 00-0048 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	733.59	128.16
26 56 19 00-0049 EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	800.36	131.71



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0050	EA		60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	867.14	135.27
26 56 19 00-0051	EA		70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,023.41	138.83
26 56 19 00-0052	EA		80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,090.19	142.40
26 56 19 00-0053	EA		90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,156.96	145.96
26 56 19 00-0054	EA		100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,283.41	149.51
26 56 19 00-0055	EA		110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,350.19	153.07
26 56 19 00-0056	EA		120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,416.97	156.63
26 56 19 00-0057			Horizontal Tenon Mount, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLM™) <small>(26 56 19 00-0044)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058	EA		20 LEDs, 38 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	665.43	121.04
26 56 19 00-0059	EA		30 LEDs, 55 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	750.17	124.60
26 56 19 00-0060	EA		40 LEDs, 70 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	852.54	128.16
26 56 19 00-0061	EA		50 LEDs, 88 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	938.45	131.71
26 56 19 00-0062	EA		60 LEDs, 106 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	1,023.19	135.27
26 56 19 00-0063			Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLMIP66™) <small>(26 56 19 00-0044)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		20 LEDs, 38 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	705.41	121.04
26 56 19 00-0065	EA		30 LEDs, 55 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	790.15	124.60
26 56 19 00-0066	EA		40 LEDs, 70 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	891.35	128.16
26 56 19 00-0067	EA		50 LEDs, 88 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	977.26	131.71
26 56 19 00-0068	EA		60 LEDs, 106 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™)	1,063.17	135.27
26 56 19 00-0069			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0044)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0070	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	293.81	8.76
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	13.46	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	25.15	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0071	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	293.81	8.76
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	13.46	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	25.15	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0072	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	340.62	8.76
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	13.46	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	25.15	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0073	EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	340.62	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Backlight Control Shield, Add	13.46	
			For Field Adjustable Output, Add	18.58	
			For Bird Spikes, Add	25.15	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For 480 Volt, Add	55.73	
26 56	19 00-0074	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	423.83	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Fuse, Add	37.15	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56	19 00-0075	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	423.83	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Fuse, Add	37.15	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56	19 00-0076	EA	11,700 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D).....	553.88	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Fuse, Add	37.15	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56	19 00-0077	EA	12,187 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D).....	553.88	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Fuse, Add	37.15	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56	19 00-0078	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	501.86	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
26 56	19 00-0079	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	501.86	8.76
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Backlight Control Shield, Add	22.55	
			For Field Adjustable Output And Utility Label, Add	24.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
			For Bird Spikes, Add	45.97	
			For 480 Volt, Add	55.73	
26 56	19 00-0080	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	210.59	8.76
			For Utility Label, Add	6.19	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
			For 0 To 10 Volt Dimming, Add	37.15	
26 56	19 00-0081	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	210.59	8.76
			For Utility Label, Add	6.19	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
			For 0 To 10 Volt Dimming, Add	37.15	



Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082 EA 3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	230.10	8.76
<i>For Utility Label, Add</i>	6.19	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0083 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	230.10	8.76
<i>For Utility Label, Add</i>	6.19	
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	18.58	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0084 EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	236.60	8.76
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For Field Adjustable Output, Add</i>	18.58	
<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0085 EA 4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	236.60	8.76
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For Field Adjustable Output, Add</i>	18.58	
<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0086 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small>		
<i>Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</i>		
26 56 19 00-0087 EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,369.98	128.16
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0088 EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,580.61	135.27
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0089 EA 80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,790.07	142.40
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0090 EA 100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,000.70	149.51
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0091 EA 120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,626.46	156.63
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0092 EA 140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,837.09	163.76
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0093 EA 160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,046.55	170.87
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0094 EA 200 LEDs, 234 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,780.62	185.12
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0095 EA 240 LEDs, 269 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,187.65	192.23
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0096 LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0097 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0096)</small>		
<i>Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.</i>		
26 56 19 00-0098 EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	606.00	128.16
26 56 19 00-0099 EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	800.05	142.40
26 56 19 00-0100 EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	865.68	163.76
26 56 19 00-0101 EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,243.30	177.99
26 56 19 00-0102 EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,609.67	202.64
26 56 19 00-0103 LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0103)</small>		
<i>Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.</i>		
26 56 19 00-0105 EA 8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	729.04	124.60
26 56 19 00-0106 EA 11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	753.83	125.96
26 56 19 00-0107 EA 15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	790.76	128.16

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0108	Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0103)</small>			
	Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0109	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	505.66	121.58
26 56 19 00-0110	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	534.20	123.78
26 56 19 00-0111	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	573.23	125.96
26 56 19 00-0112	Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0103)</small>			
	Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.			
26 56 19 00-0113	EA	13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	619.43	125.96
		<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
		<i>For 347-480 Volt, Add</i>	29.40	
26 56 19 00-0114	EA	16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	645.77	127.06
		<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
		<i>For 347-480 Volt, Add</i>	28.35	
26 56 19 00-0115	EA	19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	671.06	128.16
		<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
		<i>For 347-480 Volt, Add</i>	29.40	
26 56 19 00-0116	LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0117	Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0116)</small>			
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.			
26 56 19 00-0118	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23)	457.93	121.04
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0119	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1)	487.77	124.60
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0120	EA	5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1)	506.00	125.96
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0121	EA	9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1)	557.78	131.71
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0122	EA	2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23)	478.58	121.04
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0123	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2)	527.01	124.60
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0124	EA	5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2)	538.02	125.96
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0125	EA	10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2)	580.50	131.71
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0126	EA	11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3)	670.24	135.27
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0127	EA	19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3)	749.55	142.40
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0128	LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0129	Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0128)</small>			
	Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0130	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	689.25	124.60
26 56 19 00-0131	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	837.48	128.16
26 56 19 00-0132	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,135.26	131.71
26 56 19 00-0133	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,436.24	136.92
26 56 19 00-0134	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,729.54	140.75
26 56 19 00-0135	LED Roadway Lighting (Leotek) <small>(26 56 19 00-0035)</small>			
26 56 19 00-0136	Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0135)</small>			
	Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.			



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137 EA 2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX).....	362.44	121.04
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	28.92	
26 56 19 00-0138 EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX).....	407.52	124.60
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	28.92	
26 56 19 00-0139 EA 6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX).....	461.27	128.16
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	30.98	
26 56 19 00-0140 EA 9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX).....	513.94	131.71
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	34.08	
26 56 19 00-0141 EA 11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX).....	612.15	135.27
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	37.18	
26 56 19 00-0142 EA 15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX).....	696.26	138.83
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	37.18	
26 56 19 00-0143 EA 19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX).....	767.37	142.40
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.39	
For ANSI 7-wire Photocontrol Receptacle, Add	13.63	
For House Or Cul-De-Sac Side Shield, Add	37.18	
26 56 19 00-0144 Induction Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0145 Induction Roadway Lighting (Crystal Lighting) <small>(26 56 19 00-0144)</small>		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and borosilicate drop glass lens.		
26 56 19 00-0146 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	547.25	164.30
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0147 EA 65 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	583.60	169.78
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0148 EA 80 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	608.91	175.25
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0149 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	639.74	180.73
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0150 EA 120 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	792.05	186.21
For Black Powder Coat Finish, Add	20.00	
26 56 19 00-0151 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	809.62	191.68
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0152 EA 200 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	842.66	197.16
For Black Powder Coat Finish, Add	20.00	
For Dimming, Add	80.00	
26 56 19 00-0153 Induction Roadway Lighting (US Lighting Tech) <small>(26 56 19 00-0144)</small>		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0154 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	610.19	164.30
26 56 19 00-0155 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	676.36	169.78
26 56 19 00-0156 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	698.27	180.73
26 56 19 00-0157 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	720.18	191.68
26 56 19 00-0158 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	858.12	197.16
26 56 19 00-0159 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	873.49	202.64
26 56 19 00-0160 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	563.81	164.30
26 56 19 00-0161 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	636.60	169.78
26 56 19 00-0162 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	658.51	180.73
26 56 19 00-0163 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	680.42	191.68
26 56 23 Area Lighting <small>(26 56)</small>		
26 56 23 00-0001 Exterior Globe <small>(26 56 23)</small>		
26 56 23 00-0002 Incandescent <small>(26 56 23 00-0001)</small>		
26 56 23 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	54.12	18.34
26 56 23 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	87.46	18.34
26 56 23 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	65.45	18.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	91.82	18.34
26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture (26 56 23)		
26 56 23 00-0008 Metal Halide (26 56 23 00-0007)		
26 56 23 00-0009 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	589.85	206.73
26 56 23 00-0010 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	676.98	232.58
26 56 23 00-0011 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	816.94	258.42
26 56 23 00-0012 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,035.51	302.87
26 56 23 00-0013 High Pressure Sodium (26 56 23 00-0007)		
26 56 23 00-0014 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	576.93	176.76
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	628.64	188.13
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	682.02	198.47
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	704.40	206.73
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	783.99	232.58
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	850.97	258.42
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,144.91	302.87
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23)		
26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	551.60	139.55
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	574.91	155.05
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	526.99	176.76
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	635.33	188.13
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	656.34	198.47
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	687.34	206.73
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	750.95	232.58
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	907.65	258.42
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	507.97	155.05
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	549.04	176.76
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	567.79	188.13
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	596.04	198.47
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	610.44	206.73
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	664.07	232.58
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	817.81	258.42
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	186.18	73.35
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	195.38	77.93
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	212.23	82.51
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	221.03	91.67
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	249.47	105.43
26 56 23 00-0045 Wall Packs (26 56 23)		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 23 00-0045)		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	241.88	50.14
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	255.32	50.14
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	255.32	50.14
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	320.47	50.14
26 56 23 00-0051 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 23 00-0045)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	425.63	50.14
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	430.46	50.14
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	434.64	50.14
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	427.02	50.14
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	395.67	50.14
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	378.45	50.14



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0058 Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.</small>		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	445.47	50.14
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	449.87	50.14
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	442.26	50.14
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	448.39	50.14
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	448.39	50.14
26 56 23 00-0064 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.</small>		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	444.95	66.78
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	444.95	66.78
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	421.35	66.78
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	430.40	66.78
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	430.40	66.78
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	404.23	66.78
26 56 23 00-0071 Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.</small>		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	458.93	66.78
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	458.93	66.78
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	458.93	66.78
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	445.05	66.78
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	445.05	66.78
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	445.05	66.78
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.</small>		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	571.87	66.78
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. Lithonia TWR2.</small>		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	560.01	82.73
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	592.00	82.73
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	630.14	82.73
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	640.64	82.73
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.</small>		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	601.16	82.73
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack.....	637.10	82.73
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.</small>		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	580.00	100.29
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	541.93	100.29
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	571.19	100.29
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	574.10	100.29
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack.....	577.15	100.29
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>		
<small>Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.</small>		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	580.01	100.29
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	592.71	100.29
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	630.78	100.29
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	605.40	100.29
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	618.10	100.29
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack.....	643.46	100.29
26 56 23 00-0101 Full Cutoff, LED Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 23 00-0101)</small>		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,005.54	95.84
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,093.88	95.84
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 23 00-0101)</small>		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0106			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 23 00-0105)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107	EA		20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	634.81	93.10
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	32.71	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0108	EA		40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	808.30	98.58
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	33.26	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0109	EA		60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	981.79	104.06
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	33.81	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0110	EA		80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,155.29	109.53
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	34.35	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0111	EA		100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,328.78	115.02
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	34.90	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0112	EA		120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,502.28	120.49
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	35.45	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0113			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 23 00-0105)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114	EA		25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	393.45	93.10
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Multi-Level, Add	37.15	
26 56 23 00-0115	EA		42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	452.75	98.58
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Multi-Level, Add	37.15	
26 56 23 00-0116			Semi Cutoff, Induction Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0117			Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 23 00-0116)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118	EA		70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	672.85	93.10
26 56 23 00-0119	EA		80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	689.22	98.58
26 56 23 00-0120	EA		100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	705.60	104.06
26 56 23 00-0121	EA		120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	781.62	109.53
26 56 23 00-0122			Wall Pack Accessories <small>(26 56 23 00-0045)</small>		
26 56 23 00-0123	EA		Photocell For Wall Pack.....	89.06	25.07
26 56 23 00-0124	EA		Wire Guard For Mini And Small Wall Pack	97.19	25.07
26 56 23 00-0125	EA		Wire Guard For Medium And Large Wall Pack	131.21	25.07
26 56 23 00-0126	EA		Vandal Guard For Wall Pack	180.31	25.07
26 56 23 00-0127	EA		Full Cutoff Visor For Wall Pack	94.97	25.07



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0128 LED Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0129 Pole Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,911.66	93.10
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,060.64	98.58
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,220.59	109.53
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,231.54	115.02
26 56 23 00-0135 Pole Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABP) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0136 EA 20 LEDs, 39 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,378.67	93.10
<i>For 0 To 10 Volt Dimming, Add</i>		
	47.04	
<i>For 347-480 Volt, Add</i>		
	53.70	
26 56 23 00-0137 EA 40 LEDs, 70 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,860.02	98.58
<i>For 0 To 10 Volt Dimming, Add</i>		
	47.04	
<i>For 347-480 Volt, Add</i>		
	53.70	
26 56 23 00-0138 EA 60 LEDs, 103 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	2,341.37	104.06
<i>For 0 To 10 Volt Dimming, Add</i>		
	47.04	
<i>For 347-480 Volt, Add</i>		
	53.70	
26 56 23 00-0139 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0140 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	817.62	98.58
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	960.93	
26 56 23 00-0141 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	977.71	104.06
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	964.21	
26 56 23 00-0142 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,197.48	109.53
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	967.50	
26 56 23 00-0143 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,357.57	115.02
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	970.79	
26 56 23 00-0144 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,517.69	120.49
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	974.07	
26 56 23 00-0145 EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,725.51	125.96
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	977.36	
26 56 23 00-0146 EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,885.61	131.44
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	980.65	
26 56 23 00-0147 EA 200 LEDs, 221 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,205.82	142.40
<i>For Backlight Shielding, Add</i>		
	16.46	
<i>For 347-480 Volt, Add</i>		
	53.70	
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
<i>For Post Top Mount, Add</i>		
	987.22	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0148 EA 240 LEDs, 264 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,515.06	147.87
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	990.50	
26 56 23 00-0149 Arm Mount, Round, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 23 00-0129)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0150 EA 40 LEDs, 47 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,154.42	98.58
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	960.93	
26 56 23 00-0151 EA 60 LEDs, 68 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,360.59	104.06
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	964.21	
26 56 23 00-0152 EA 80 LEDs, 90 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,567.94	109.53
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	967.50	
26 56 23 00-0153 EA 100 LEDs, 111 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,775.28	115.02
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	970.79	
26 56 23 00-0154 EA 120 LEDs, 132 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,981.46	120.49
For Backlight Shielding, Add	16.46	
For 347-480 Volt, Add	53.70	
For Multi-Level Drive Currents, Add	164.64	
For Post Top Mount, Add	974.07	
26 56 23 00-0155 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 23 00-0129)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0156 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,448.96	120.49
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.56	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.03	
26 56 23 00-0157 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,413.59	147.87
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For Bird Spikes, Add	46.01	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.38	
For 480 Volt, Add	111.45	
26 56 23 00-0158 Wall Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0159 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 23 00-0158)		
Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0160 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	850.16	93.10
26 56 23 00-0161 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	872.06	104.06
26 56 23 00-0162 Wall Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABR) (26 56 23 00-0158)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0163 EA 20 LEDs, 39 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	1,331.63	93.10
For 0 To 10 Volt Dimming, Add	47.04	
For 347-480 Volt, Add	53.70	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0164 EA 40 LEDs, 70 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	1,823.93	104.06
For 0 To 10 Volt Dimming, Add	47.04	
For 347-480 Volt, Add	53.70	
26 56 23 00-0165 EA 60 LEDs, 103 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	2,294.33	104.06
For 0 To 10 Volt Dimming, Add	47.04	
For 347-480 Volt, Add	53.70	
26 56 23 00-0166 Surface Mount, LED Parking Structure Fixtures (26 56 23 00-0128)		
26 56 23 00-0167 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 23 00-0166)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0168 EA 20 LEDs, 26 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	688.36	93.10
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0169 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	895.70	98.58
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0170 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,101.87	104.06
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0171 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,309.22	109.53
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0172 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,516.56	115.02
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0173 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 23 00-0166)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0174 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	863.95	98.58
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0175 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	953.69	104.06
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0176 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 23 00-0166)		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0177 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	556.05	98.58
26 56 23 00-0178 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 23 00-0166)		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0179 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,074.19	104.06
26 56 23 00-0180 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,096.10	115.02
26 56 23 00-0181 Surface Mount, LED Canopy Fixtures (26 56 23 00-0128)		
26 56 23 00-0182 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 23 00-0181)		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0183 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,036.82	98.58
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0184 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,242.99	104.06
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0185 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,450.34	109.53
For Multi-Level Drive Currents, Add	164.64	
26 56 23 00-0186 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,657.68	115.02
For Multi-Level Drive Currents, Add	164.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0187 EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,863.86	120.49
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0188 EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,149.99	125.96
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0189 EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,356.17	131.44
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0190 EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,770.85	142.40
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0191 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,173.41	147.87
<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0192 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0181)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0193 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	633.18	109.53
26 56 23 00-0194 Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0195 Recessed Mount, Rectangular, LED Soffit Fixtures (CREE® BetaLED® SFT-227) <small>(26 56 23 00-0194)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0196 EA 30 LEDs, 36 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	864.35	95.84
26 56 23 00-0197 EA 60 LEDs, 68 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,124.21	104.06
26 56 23 00-0198 EA 90 LEDs, 101 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,478.17	112.27
26 56 23 00-0199 EA 120 LEDs, 139 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,705.10	120.49
26 56 23 00-0200 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0194)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0201 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	879.24	98.58
26 56 23 00-0202 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	967.81	104.06
26 56 23 00-0203 Surface Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0204 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0203)</small>		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0205 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	649.60	98.58
26 56 23 00-0206 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	799.69	98.58
26 56 23 00-0207 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	685.30	109.53
26 56 23 00-0208 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	829.17	109.53
26 56 23 00-0209 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0203)</small>		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0210 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	212.78	36.10
<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
26 56 23 00-0211 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	245.15	36.10
<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
26 56 23 00-0212 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	306.81	36.10
<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
26 56 23 00-0213 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0214 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0213)</small>		
26 56 23 00-0215 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	403.73	42.17
26 56 23 00-0216 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	639.45	38.50
26 56 23 00-0217 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	807.58	32.09
26 56 23 00-0218 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	975.69	25.67



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0219 Post Top, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0220 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0219)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0221 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,172.62	150.61
26 56 23 00-0222 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,283.80	150.61
26 56 23 00-0223 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,371.69	150.61
26 56 23 00-0224 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0219)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0225 EA 2,400 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS).....	2,249.49	150.61
26 56 23 00-0226 EA 4,600 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS).....	2,333.09	150.61
26 56 23 00-0227 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0219)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0228 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,902.42	150.61
26 56 23 00-0229 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0219)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 56 23 00-0230 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	547.90 37.15	82.15
26 56 23 00-0231 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0219)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0139 for disposal of hazardous lamps.		
26 56 23 00-0232 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	335.36 25.61	17.52
26 56 23 00-0233 Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0234 Post Top, Induction Area Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0235 Post Top, Induction Area Fixtures (Crystal Lighting) <small>(26 56 23 00-0234)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and acrylic lens.		
26 56 23 00-0236 EA 65 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN).....	676.67	150.61
26 56 23 00-0237 EA 80 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN).....	741.82	150.61
26 56 23 00-0238 Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0234)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0239 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	699.86	150.61
26 56 23 00-0240 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	763.91	150.61
26 56 23 00-0241 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	763.91	150.61
26 56 23 00-0242 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....	763.91	150.61
26 56 23 00-0243 Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0244 Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0243)</small>		
26 56 23 00-0245 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	618.56	136.92
26 56 23 00-0246 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	661.58	139.65
26 56 23 00-0247 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	671.48	142.40
26 56 23 00-0248 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	681.38	145.13
26 56 23 00-0249 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	691.26	147.87
26 56 23 00-0250 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	705.57	150.61
26 56 23 00-0251 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	735.53	142.40
26 56 23 00-0252 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	745.42	145.13
26 56 23 00-0253 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	755.31	147.87
26 56 23 00-0254 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	788.39	150.61

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0255 Pole Mount, Induction Area Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0256 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 23 00-0255)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0257 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	699.96	93.10
26 56 23 00-0258 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	721.76	98.58
26 56 23 00-0259 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	743.55	104.06
26 56 23 00-0260 Metal Halide Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0261 Pole Mount, Metal Halide Area Fixtures <small>(26 56 23 00-0260)</small>		
Note: Includes pulse start ballast.		
26 56 23 00-0262 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	674.64	135.80
26 56 23 00-0263 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	743.30	149.38
26 56 23 00-0264 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	818.37	162.96
26 56 23 00-0265 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	875.28	190.12
26 56 23 00-0266 High Pressure Sodium Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0267 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 23 00-0266)</small>		
26 56 23 00-0268 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	559.40	108.64
26 56 23 00-0269 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	622.12	135.80
26 56 23 00-0270 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	683.81	162.96
26 56 23 00-0271 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	736.68	190.12
26 56 23 00-0272 Area Lighting Accessories <small>(26 56 23)</small>		
26 56 23 00-0273 Outdoor Motion Sensors <small>(26 56 23 00-0272)</small>		
26 56 23 00-0274 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	83.72	25.10
26 56 23 00-0275 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	89.79	25.10
26 56 23 00-0276 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	315.36	25.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		15.06
26 56 26 Landscape Lighting <small>(26 56)</small>		
26 56 26 00-0001 Bollards <small>(26 56 26)</small>		
Note: Excludes concrete base.		
26 56 26 00-0002 Aluminum Architectural Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0003)</small>		
26 56 26 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	857.66	85.24
26 56 26 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	867.68	90.26
26 56 26 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.71	95.27
26 56 26 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	821.38	100.29
26 56 26 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	857.66	85.24
26 56 26 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	867.68	90.26
26 56 26 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.71	95.27
26 56 26 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	821.38	100.29
26 56 26 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	857.66	85.24
26 56 26 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	867.68	90.26
26 56 26 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.71	95.27
26 56 26 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	821.38	100.29
26 56 26 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	857.66	85.24
26 56 26 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	867.68	90.26
26 56 26 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	877.71	95.27
26 56 26 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	821.38	100.29
26 56 26 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0003)</small>		
26 56 26 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.19	85.24
26 56 26 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.21	90.26
26 56 26 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.24	95.27
26 56 26 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	790.63	100.29
26 56 26 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.19	85.24
26 56 26 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.21	90.26
26 56 26 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.24	95.27
26 56 26 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	790.63	100.29
26 56 26 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.19	85.24
26 56 26 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	837.21	90.26
26 56 26 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.24	95.27
26 56 26 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	790.63	100.29
26 56 26 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	827.19	85.24



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	837.21	90.26
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	847.24	95.27
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	790.63	100.29
26 56 26 00-0038		Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0039		Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	897.23	85.24
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	907.25	90.26
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	917.28	95.27
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	860.67	100.29
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	897.23	85.24
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	907.25	90.26
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	917.28	95.27
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	860.67	100.29
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	897.23	85.24
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	907.25	90.26
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	917.28	95.27
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	893.78	100.29
26 56 26 00-0052		Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	866.48	85.24
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	876.50	90.26
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	886.53	95.27
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	829.92	100.29
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	866.48	85.24
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	876.50	90.26
26 56 26 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	886.53	95.27
26 56 26 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	829.92	100.29
26 56 26 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	866.48	85.24
26 56 26 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	876.50	90.26
26 56 26 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	886.53	95.27
26 56 26 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	829.92	100.29
26 56 26 00-0065		Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	854.19	85.24
26 56 26 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	864.21	90.26
26 56 26 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	874.24	95.27
26 56 26 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.54	100.29
26 56 26 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	854.19	85.24
26 56 26 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	864.21	90.26
26 56 26 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	874.24	95.27
26 56 26 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.54	100.29
26 56 26 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	854.19	85.24
26 56 26 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	864.21	90.26
26 56 26 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	874.24	95.27
26 56 26 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	818.54	100.29
26 56 26 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	824.11	85.24
26 56 26 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	834.13	90.26
26 56 26 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	844.16	95.27
26 56 26 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	100.29
26 56 26 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	824.11	85.24
26 56 26 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	834.13	90.26
26 56 26 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	844.16	95.27
26 56 26 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	100.29
26 56 26 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	824.11	85.24
26 56 26 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	834.13	90.26
26 56 26 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	844.16	95.27
26 56 26 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	789.04	100.29
26 56 26 00-0092		LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093		Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,010.37	85.24
26 56 26 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,020.39	90.26
26 56 26 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,030.42	95.27
26 56 26 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	975.55	100.29
26 56 26 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,219.76	85.24
26 56 26 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,229.78	90.26
26 56 26 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,239.81	95.27
26 56 26 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,183.90	100.29

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards <small>(26 56 26 00-0092)</small>		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	979.13	85.24
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	989.15	90.26
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	999.18	95.27
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	943.27	100.29
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,188.53	85.24
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,198.55	90.26
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,208.58	95.27
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,153.03	100.29
26 56 26 00-0111 Reinforced Concrete Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	972.86	250.70
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,567.72	334.24
26 56 26 00-0114 Low Voltage <small>(26 56 26)</small>		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	711.73	182.51
26 56 26 00-0116 EA Low Voltage Walkway.....	513.15	100.29
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set	495.10	133.88
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	433.58	100.29
26 56 26 00-0119 Recessed, Adjustable <small>(26 56 26)</small>		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	849.45	160.45
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	934.70	160.45
26 56 26 00-0122 Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight	752.83	160.45
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight	769.88	160.45
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight	821.03	160.45
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	815.34	160.45
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	703.01	160.45
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	761.33	160.45
26 56 26 00-0129 Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	382.43	100.29
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	365.38	100.29
26 56 26 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	603.09	133.88
26 56 26 00-0133 Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134 EA Incandescent Step Light	313.85	80.23
26 56 26 00-0135 EA Fluorescent Step Light.....	370.74	80.23
26 56 26 00-0136 EA 5 Watt LED Step Light	380.12	80.23
26 56 26 00-0137 EA 15 Watt LED Step Light	442.32	80.23
26 56 26 00-0138 Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights	676.97	133.88
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights	694.02	133.88
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights	855.80	200.56
26 56 26 00-0142 Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights	571.01	66.68
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights	639.21	66.68
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights	1,593.02	100.29
26 56 26 00-0146 EA 50 Watt, 12 V Underwater Lights.....	599.43	66.68
26 56 26 00-0147 EA 300 Watt, 12 V Underwater Lights.....	679.00	66.68
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,749.78	150.42
26 56 33 Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001 Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	391.62	93.26
26 56 33 00-0003 Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	601.01	146.61
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	638.45	151.92
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	692.18	157.74
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	740.23	170.48
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	656.29	157.74



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	670.05	146.61
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	681.53	151.92
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	549.86	104.49
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	585.75	104.49
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	621.64	104.49
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	701.97	117.63
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture	528.74	93.86
26 56 33 00-0016 High Pressure Sodium Walkway (26 56 33)		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	533.68	146.61
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	565.26	151.92
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	609.75	157.74
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	652.92	170.48
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	581.71	157.74
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	587.62	146.61
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	598.92	151.92
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	475.28	104.49
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	503.32	104.49
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	531.36	104.49
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	599.91	117.63
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	454.16	93.86
26 56 33 00-0029 Walkway, Adjustable (26 56 33)		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	568.78	133.88
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	586.48	133.88
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	1,026.76	200.56
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	483.87	100.29
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	507.48	100.29
26 56 33 00-0035 LED Walkway (26 56 33)		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 56 33 00-0035)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	716.35	77.01
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	739.87	77.01
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	779.85	77.01
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	810.43	77.01
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	934.12	99.01
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 36 Flood Lighting (26 56)		
26 56 36 00-0001 General Electric Powerflood® Flood Lights (26 56 36)		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	249.30	81.48
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	251.03	81.48
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	253.90	81.48
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	317.80	81.48
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	465.36	108.64
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	467.67	108.64
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	471.70	108.64
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	517.17	108.64
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	530.41	108.64
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	461.33	108.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	481.48	108.64
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	491.84	108.64
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	482.75	122.22
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	485.63	122.22
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	490.23	122.22
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	535.13	122.22
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	547.79	122.22
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	479.29	122.22
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	498.87	122.22
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	509.23	122.22
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	618.59	122.22
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	658.88	122.22
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	656.00	122.22
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	670.39	122.22
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	633.56	122.22
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	645.64	122.22
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	658.31	122.22
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	817.84	135.80
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	817.84	135.80
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	784.46	135.80
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	673.85	122.22
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	684.78	122.22
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	680.18	122.22
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	120.51	27.16
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light	77.92	27.16
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	104.40	27.16
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	84.25	27.16
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light	221.67	81.48
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	90.58	27.16
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	178.50	81.48
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	183.68	81.48
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	72.74	27.16
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	71.01	27.16



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0064 Lithonia Contour Series Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	434.72	108.64
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	467.95	108.64
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	500.50	108.64
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	541.11	108.64
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	533.11	108.64
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	520.22	108.64
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	519.26	108.64
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	537.80	108.64
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 56 36 00-0077)</small>		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	635.08	122.22
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	646.16	122.22
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights <small>(26 56 36 00-0077)</small>		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	610.16	122.22
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	610.16	122.22
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	627.55	122.22
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	602.38	108.64
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	618.97	108.64
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	632.83	108.64
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	596.83	108.64
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	613.44	108.64
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,116.44	135.80
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	880.99	135.80
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	964.08	135.80
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	106.55	27.16
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	188.11	27.16
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	91.16	27.16
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	116.08	27.16
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	273.74	81.48
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	229.64	81.48
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	229.64	81.48
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	247.23	81.48
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	102.76	27.16
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	85.86	27.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0110 Ruud Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	293.05	81.48
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	293.05	81.48
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	293.05	81.48
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	293.05	81.48
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	293.05	81.48
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	325.28	81.48
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	325.28	81.48
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	325.28	81.48
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	259.66	81.48
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	267.72	81.48
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	270.02	81.48
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	272.32	81.48
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	449.36	122.22
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	470.09	122.22
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	481.60	122.22
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	444.76	122.22
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	447.06	122.22
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	453.97	122.22
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	436.70	122.22
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	510.38	122.22
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	512.68	122.22
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	818.42	135.80
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	510.38	122.22
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	512.68	122.22
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	519.59	122.22
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	742.44	135.80
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	409.53	108.64
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	433.71	108.64
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	433.71	108.64
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	433.71	108.64
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	433.71	108.64
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	441.76	108.64
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	441.76	108.64
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	441.76	108.64



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	429.10	108.64
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.</small>		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	438.31	108.64
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	462.49	108.64
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	462.49	108.64
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	462.49	108.64
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	462.49	108.64
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	470.54	108.64
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	470.54	108.64
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	470.54	108.64
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	457.88	108.64
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.</small>		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	564.48	122.22
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	576.00	122.22
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	847.20	135.80
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light	539.16	122.22
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light	541.46	122.22
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light	548.37	122.22
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light	771.22	135.80
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.</small>		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light	713.66	135.80
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	833.39	135.80
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	686.03	135.80
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	757.41	135.80
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
<small>Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.</small>		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	580.60	122.22
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	592.11	122.22
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	555.27	122.22
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	557.58	122.22
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	564.48	122.22
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	787.34	135.80
26 56 36 00-0198 Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>		
26 56 36 00-0199 EA Wireguard For Ruud Flood Light.....	71.59	27.16
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light	102.67	27.16
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light	79.65	27.16
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light.....	91.16	27.16
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light	202.10	81.48
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	64.68	27.16
26 56 36 00-0205 Lumark Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small>		
<small>Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.</small>		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	186.50	81.48

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	220.46	81.48
26 56 36 00-0210 Kim Lighting <small>(26 56 36)</small>		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212 LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>		
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	296.91	35.14
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	360.78	35.14
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small> Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	439.35	35.14
26 56 36 00-0218 CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220 EA 40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	926.28	98.58
26 56 36 00-0221 EA 60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,016.02	104.06
26 56 36 00-0222 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223 EA 20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	805.96	93.10
For 347-480 Volt, Add	53.70	
26 56 36 00-0224 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,013.30	98.58
For 347-480 Volt, Add	53.70	
26 56 36 00-0225 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,219.47	104.06
For 347-480 Volt, Add	53.70	
26 56 36 00-0226 EA 80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,505.61	109.53
For 347-480 Volt, Add	53.70	
26 56 36 00-0227 EA 100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,711.78	115.02
For 347-480 Volt, Add	53.70	
26 56 36 00-0228 EA 120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,919.13	120.49
For 347-480 Volt, Add	53.70	
26 56 36 00-0229 EA 140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,188.80	125.96
For 347-480 Volt, Add	53.70	
26 56 36 00-0230 EA 160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,396.15	131.44
For 347-480 Volt, Add	53.70	
26 56 36 00-0231 EA 200 LEDs, 221 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,809.66	142.40
For 347-480 Volt, Add	53.70	
26 56 36 00-0232 EA 240 LEDs, 264 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,212.22	147.87
For 347-480 Volt, Add	53.70	
26 56 36 00-0233 Adjustable Arm Mount, Round, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDR) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,154.42	98.58
For 347-480 Volt, Add	53.70	
26 56 36 00-0235 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,360.59	104.06
For 347-480 Volt, Add	53.70	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0236	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,498.56	109.53
			<i>For 347-480 Volt, Add</i>	53.70	
26 56 36 00-0237	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,775.28	115.02
			<i>For 347-480 Volt, Add</i>	53.70	
26 56 36 00-0238	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,981.46	120.49
			<i>For 347-480 Volt, Add</i>	53.70	
26 56 36 00-0239 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small>					
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 36 00-0240	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,500.98	120.49
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Bird Spikes, Add</i>	31.56	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
26 56 36 00-0241	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,517.97	147.87
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	46.01	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
			<i>For 480 Volt, Add</i>	111.45	
26 56 36 00-0242 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-0218)</small>					
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 36 00-0243	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified).....	904.14	120.49
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	25.05	
			<i>For Rotated Optics, Back Light Shield, Add</i>	25.05	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0244	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified)	962.66	120.49
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	25.05	
			<i>For Rotated Optics, Back Light Shield, Add</i>	25.05	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	71.52	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0245	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,231.96	147.87
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	30.39	
			<i>For Rotated Optics, Back Light Shield, Add</i>	30.39	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0246 PlanLED Flood Lights <small>(26 56 36)</small>					
26 56 36 00-0247 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0246)</small>					
26 56 36 00-0248	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	401.91	98.58
26 56 36 00-0249	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	459.06	104.06
26 56 36 00-0250	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	522.75	112.27
26 56 36 00-0251 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0246)</small>					

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0252 EA 21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,074.44	219.07
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0253 EA 42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,651.94	219.07
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0254 EA 84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,655.74	219.07
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0255 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) ^(26 56 36 00-0246)		
26 56 36 00-0256 EA 26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	880.14	142.40
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	29.40	
26 56 36 00-0257 EA 39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,159.89	147.87
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	57.75	
26 56 36 00-0258 EA 52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,444.90	153.34
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	57.75	
26 56 39 Hazardous Location Flood Lights ^(26 56)		
<i>Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.</i>		
26 56 39 00-0001 Lithonia Hazardous Location Flood Lights ^(26 56 39)		
26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights ^(26 56 39 00-0001)		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights ^(26 56 39 00-0002)		
26 56 39 00-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	597.53	108.64
26 56 39 00-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	633.22	108.64
26 56 39 00-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	598.68	108.64
26 56 39 00-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0002)		
26 56 39 00-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	629.41	108.64
26 56 39 00-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	612.50	108.64
26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights ^(26 56 39 00-0001)		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0010)		
26 56 39 00-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	573.00	108.64
26 56 39 00-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	594.30	108.64
26 56 39 00-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0010)		
26 56 39 00-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	515.44	108.64
26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights ^(26 56 39 00-0001)		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0016)		
26 56 39 00-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	797.70	135.80
26 56 39 00-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	808.06	135.80
26 56 39 00-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0016)		
26 56 39 00-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	794.24	135.80
26 56 39 00-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	808.06	135.80
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights ^(26 56 39 00-0001)		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights ^(26 56 39 00-0023)		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	607.08	122.22



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	647.37	122.22
26 56 39 00-0028 Accessories For Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 43 High Performance Flood Lights <small>(26 56)</small> Note: For airport aprons and parking areas.		
26 56 43 00-0001 Lithonia High Performance Flood Lights <small>(26 56 43)</small>		
26 56 43 00-0002 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,326.31	162.96
26 56 43 00-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,420.71	162.96
26 56 43 00-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,425.32	162.96
26 56 43 00-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,569.22	162.96
26 56 43 00-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small>		
26 56 43 00-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,509.35	162.96
26 56 43 00-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,445.52	162.96
26 56 43 00-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,385.02	162.96
26 56 43 00-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,444.89	162.96
26 56 43 00-0013 Accessories For Lithonia High Performance Flood Lights <small>(26 56 43 00-0002)</small> See CSI section 26 56 36 00-0099 for accessories.		
26 56 68 Exterior Athletic Lighting <small>(26 56)</small>		
26 56 68 00-0001 Sports Lighting System <small>(26 56 68)</small> Note: Musco.		
26 56 68 00-0002 Round Steel Tapered Poles <small>(26 56 68 00-0001)</small> Note: With Internal wiring harness.		
26 56 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,424.52	521.47
26 56 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,919.19	630.12
26 56 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,273.00	684.44
26 56 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,554.61	711.60
26 56 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,356.98	738.75
26 56 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,036.08	901.72
26 56 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,403.34	956.04
26 56 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,138.19	1,086.41
26 56 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,961.51	1,222.21
26 56 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,694.53	1,347.35
26 56 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,416.71	1,505.86
26 56 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,208.97	1,690.79
26 56 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,421.68	2,034.23
26 56 68 00-0016 Steel Pole Brackets <small>(26 56 68 00-0001)</small>		
26 56 68 00-0017 EA Two Light Bracket	355.52	54.32
26 56 68 00-0018 EA Three Light Bracket	449.20	76.05
26 56 68 00-0019 EA Four Light Bracket	641.32	92.34
26 56 68 00-0020 EA Five Light Bracket	733.09	108.64
26 56 68 00-0021 EA Six Light Bracket	886.95	124.94
26 56 68 00-0022 EA Seven Light Bracket.....	1,015.47	141.23
26 56 68 00-0023 EA Eight Light Bracket.....	1,159.89	162.96
26 56 68 00-0024 EA Nine Light Bracket	1,309.09	179.26
26 56 68 00-0025 Light Fixtures <small>(26 56 68 00-0001)</small>		
26 56 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,387.57	
<i>For 1,500 Watt Metal Halide Lamp, Add</i>	7.71	
26 56 68 00-0027 Electrical Component Enclosure <small>(26 56 68 00-0001)</small> Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted	557.30	65.18
26 56 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted	838.12	100.29
26 56 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted	959.97	125.35
26 56 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted	1,237.13	140.39
26 56 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted	1,387.44	150.42

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 68 00-0033 Accessories <small>(26 56 68 00-0001)</small>		
26 56 68 00-0034 EA Time Delay Kit (Musco®).....	668.12	200.84
26 56 68 00-0035 EA Remote Switch Box Push Button (Musco®).....	1,201.02	200.84
26 56 68 00-0036 EA Push Button Strobe Kit (Musco®).....	1,414.18	200.84
26 56 68 00-0037 EA Additional Control-Link Unit (Musco®).....	6,534.04	602.51
26 56 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	733.46	100.29
26 56 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	934.02	200.56

END OF SECTION 26



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 16 TV Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001			Remote Visual Inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 16)		
33 01 30 16-0002			Video Camera Set-up ^(33 01 30 16-0001)		
33 01 30 16-0003	EA		Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	678.46	
			Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 16-0004	EA		Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,356.92	
			Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 16-0005	EA		Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert.....	2,035.38	
33 01 30 16-0006	EA		Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	339.23	
33 01 30 16-0007	EA		Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....	678.46	
33 01 30 16-0008			Video Camera Planning And Analysis Inspection ^(33 01 30 16-0001)		
			Note: For pipe interior and culverts.		
33 01 30 16-0009	LF		4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.72	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.60	
33 01 30 16-0010	LF		>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.30	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-0.81	
33 01 30 16-0011	LF		>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.87	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.29	
			For >1,000 To 5,000, Deduct	-0.72	
			For >5,000, Deduct	-1.00	
33 01 30 16-0012	LF		>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.82	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.38	
			For >1,000 To 5,000, Deduct	-0.96	
			For >5,000, Deduct	-1.34	
33 01 30 16-0013	LF		>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.38	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.54	
			For >1,000 To 5,000, Deduct	-1.35	
			For >5,000, Deduct	-1.88	
33 01 30 16-0014	LF		>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.17	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.72	
			For >1,000 To 5,000, Deduct	-1.79	
			For >5,000, Deduct	-2.51	
33 01 30 16-0015	LF		>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	10.12	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.01	
			For >1,000 To 5,000, Deduct	-2.53	
			For >5,000, Deduct	-3.54	
33 01 30 16-0016	LF		>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	14.33	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.43	
			For >1,000 To 5,000, Deduct	-3.58	
			For >5,000, Deduct	-5.02	
33 01 30 16-0017			Video Camera Pre-Rehab For Pipe Interior And Culverts ^(33 01 30 16-0001)		
33 01 30 16-0018	LF		4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	2.54	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.25	
			For >1,000 To 5,000, Deduct	-0.64	
			For >5,000, Deduct	-0.89	
33 01 30 16-0019	LF		>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.39	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 5,000, Deduct	-0.85	
			For >5,000, Deduct	-1.19	
33 01 30 16-0020	LF		>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.24	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.42	
			For >1,000 To 5,000, Deduct	-1.06	
			For >5,000, Deduct	-1.48	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.65	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 5,000, Deduct	-1.41	
For >5,000, Deduct	-1.98	
33 01 30 16-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.95	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.80	
For >1,000 To 5,000, Deduct	-1.99	
For >5,000, Deduct	-2.78	
33 01 30 16-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	10.60	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 5,000, Deduct	-2.65	
For >5,000, Deduct	-3.71	
33 01 30 16-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	14.97	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.50	
For >1,000 To 5,000, Deduct	-3.74	
For >5,000, Deduct	-5.24	
33 01 30 16-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	21.20	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.12	
For >1,000 To 5,000, Deduct	-5.30	
For >5,000, Deduct	-7.42	
33 01 30 16-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 16-0001)		
33 01 30 16-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	1.82	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.64	
33 01 30 16-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.43	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-0.85	
33 01 30 16-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.03	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 5,000, Deduct	-0.76	
For >5,000, Deduct	-1.06	
33 01 30 16-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.04	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.41	
33 01 30 16-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.68	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 5,000, Deduct	-1.42	
For >5,000, Deduct	-1.99	
33 01 30 16-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.57	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 5,000, Deduct	-1.89	
For >5,000, Deduct	-2.65	
33 01 30 16-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.69	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 5,000, Deduct	-2.67	
For >5,000, Deduct	-3.74	
33 01 30 16-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	15.14	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 5,000, Deduct	-3.79	
For >5,000, Deduct	-5.30	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	1,969.72	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	492.42	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.64	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.26	
For >1,000 To 2,000, Deduct	-0.40	
For >2,000 To 5,000, Deduct	-0.53	
For >5,000, Deduct	-0.66	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.98	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.04	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 2,000, Deduct	-0.46	
For >2,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-0.76	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.28	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.57	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000 To 5,000, Deduct	-0.71	
For >5,000, Deduct	-0.89	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.68	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.42	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 2,000, Deduct	-0.66	
For >2,000 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.11	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.32	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.00	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.50	
For >1,000 To 2,000, Deduct	-0.75	
For >2,000 To 5,000, Deduct	-1.00	
For >5,000, Deduct	-1.25	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.75	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.78	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000 To 5,000, Deduct	-1.16	
For >5,000, Deduct	-1.45	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.34	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.95	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.04	
For >2,000 To 5,000, Deduct	-1.39	
For >5,000, Deduct	-1.74	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.21	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.89	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.18	
For >2,000 To 5,000, Deduct	-1.58	
For >5,000, Deduct	-1.97	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.92	
33 01 30 41-0015 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0016 LF 12" To 16" Diameter Pipe Line Flushing	1.13	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000 To 5,000, Deduct	-0.23	
For >5,000, Deduct	-0.28	
33 01 30 41-0017 LF >16" To 24" Diameter Pipe Line Flushing.....	1.30	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.33	
33 01 30 41-0018 LF >24" To 30" Diameter Pipe Line Flushing.....	1.52	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.38	
33 01 30 41-0019 LF >30" To 42" Diameter Pipe Line Flushing.....	1.76	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.44	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >42" To 60" Diameter Pipe Line Flushing.....	2.35	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.35	
For >2,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.59	
33 01 30 41-0021 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0022 LF Jet Cleaning Of Culvert, 0-250 LF.....	12.25	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.23	
For >1,000 To 2,000, Deduct	-1.84	
For >2,000 To 5,000, Deduct	-2.45	
For >5,000, Deduct	-3.06	
33 01 30 41-0023 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0024 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	930.28	
33 01 30 41-0025 EA Move And Reset Up At Different Access/Location.....	310.09	
33 01 30 41-0026 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method.....	5.32	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.52	
For >1,000 To 2,000, Deduct	-0.78	
For >2,000 To 5,000, Deduct	-1.03	
For >5,000, Deduct	-1.29	
33 01 30 41-0027 LF 6" Diameter Pipe Line Cleaning, Mechanical Method.....	6.94	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-1.00	
For >2,000 To 5,000, Deduct	-1.33	
For >5,000, Deduct	-1.66	
33 01 30 41-0028 LF 8" Diameter Pipe Line Cleaning, Mechanical Method.....	8.12	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.78	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000 To 5,000, Deduct	-1.55	
For >5,000, Deduct	-1.94	
33 01 30 41-0029 LF 10" Diameter Pipe Line Cleaning, Mechanical Method.....	9.40	
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.34	
For >2,000 To 5,000, Deduct	-1.79	
For >5,000, Deduct	-2.24	
33 01 30 41-0030 LF 12" Diameter Pipe Line Cleaning, Mechanical Method.....	10.21	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000 To 5,000, Deduct	-1.94	
For >5,000, Deduct	-2.42	
33 01 30 41-0031 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	11.74	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-1.11	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000 To 5,000, Deduct	-2.21	
For >5,000, Deduct	-2.77	
33 01 30 41-0032 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	14.73	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.37	
For >1,000 To 2,000, Deduct	-2.05	
For >2,000 To 5,000, Deduct	-2.74	
For >5,000, Deduct	-3.42	
33 01 30 41-0033 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	16.75	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-2.29	
For >2,000 To 5,000, Deduct	-3.05	
For >5,000, Deduct	-3.81	
33 01 30 41-0034 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	19.42	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-2.63	
For >2,000 To 5,000, Deduct	-3.51	
For >5,000, Deduct	-4.39	
33 01 30 41-0035 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	25.50	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.33	
For >1,000 To 2,000, Deduct	-3.49	
For >2,000 To 5,000, Deduct	-4.65	
For >5,000, Deduct	-5.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 41-0036	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	28.84 -1.29 -2.58 -3.88 -5.17 -6.46	
33 01 30 41-0037 Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small>					
	33 01 30 41-0038	EA	Initial Set Up And Final Equipment Removal For Auguring	930.28	
	33 01 30 41-0039	EA	Move And Reset Up At Different Location	310.09	
	33 01 30 41-0040	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	3.10 -0.16 -0.31 -0.47 -0.62 -0.78	
	33 01 30 41-0041	LF	6" Diameter Pipe Line Auguring/Rod Out	4.01	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.20 -0.40 -0.60 -0.80 -1.00	
	33 01 30 41-0042	LF	8" Diameter Pipe Line Auguring/Rod Out	4.65	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.23 -0.47 -0.70 -0.93 -1.16	
	33 01 30 41-0043	LF	10" Diameter Pipe Line Auguring/Rod Out	5.41	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.27 -0.54 -0.81 -1.08 -1.35	
	33 01 30 41-0044	LF	12" Diameter Pipe Line Auguring/Rod Out	5.81	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.29 -0.58 -0.87 -1.16 -1.45	
	33 01 30 41-0045	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.64	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.33 -0.66 -1.00 -1.33 -1.66	
	33 01 30 41-0046	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out.....	8.16	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.41 -0.82 -1.22 -1.63 -2.04	
	33 01 30 41-0047	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out.....	9.12	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.46 -0.91 -1.37 -1.82 -2.28	
	33 01 30 41-0048	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.57	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.53 -1.06 -1.59 -2.11 -2.64	
	33 01 30 41-0049	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out.....	14.53	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.73 -1.45 -2.18 -2.91 -3.63	
	33 01 30 41-0050	LF	>60" Diameter Pipe Line Auguring/Rod Out	15.50	
			<i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	-0.78 -1.55 -2.33 -3.10 -3.88	
33 01 30 42 Cleaning of Manholes <small>(33 01 30)</small>					
	33 01 30 42-0001		Structure Cleaning And Flushing <small>(33 01 30 42)</small> Note: Includes flushing. Owner provided water.		
	33 01 30 42-0002		Rod Out Structures And Other Hand Operations <small>(33 01 30 42-0001)</small>		
	33 01 30 42-0003	EA	Rod Out Sewer Catch Basin.....	92.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure	230.70	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	703.07	
<i>For >10 To 100, Deduct</i>	-105.46	
<i>For >100 To 250, Deduct</i>	-158.19	
<i>For >250, Deduct</i>	-210.92	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	843.68	
<i>For >10 To 100, Deduct</i>	-126.55	
<i>For >100 To 250, Deduct</i>	-189.83	
<i>For >250, Deduct</i>	-253.10	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	421.84	
<i>For >10 To 100, Deduct</i>	-63.28	
<i>For >100 To 250, Deduct</i>	-94.91	
<i>For >250, Deduct</i>	-126.55	
33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)		
Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0009 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	82.07	
33 01 30 42-0010 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	102.59	
33 01 30 42-0011 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,104.28	
Note: Includes vacuum pump equipment.		
33 01 30 42-0012 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	828.22	
Note: Includes vacuum pump equipment.		
33 01 30 42-0013 EA Vacuum Out 11 To 25 Catch Basins Or Manholes	552.14	
Note: Includes vacuum pump equipment.		
33 01 30 42-0014 EA Vacuum Out 26 To 100 Catch Basins Or Manholes	483.13	
Note: Includes vacuum pump equipment.		
33 01 30 42-0015 EA Vacuum Out 101 To 250 Catch Basins Or Manholes	448.61	
Note: Includes vacuum pump equipment.		
33 01 30 42-0016 EA Vacuum Out >250 Catch Basins Or Manholes	414.11	
Note: Includes vacuum pump equipment.		
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	117.28	
<i>For Stainless Steel Nuts And Bolts, Add</i>	18.76	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	166.22	
<i>For Stainless Steel Nuts And Bolts, Add</i>	28.27	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	191.87	
<i>For Stainless Steel Nuts And Bolts, Add</i>	33.30	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	218.50	
<i>For Stainless Steel Nuts And Bolts, Add</i>	38.31	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	126.47	
<i>For Stainless Steel Nuts And Bolts, Add</i>	20.38	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	176.65	
<i>For Stainless Steel Nuts And Bolts, Add</i>	30.17	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	202.31	
<i>For Stainless Steel Nuts And Bolts, Add</i>	35.08	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	233.66	
<i>For Stainless Steel Nuts And Bolts, Add</i>	41.05	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	135.89	
<i>For Stainless Steel Nuts And Bolts, Add</i>	22.29	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	183.70	
<i>For Stainless Steel Nuts And Bolts, Add</i>	31.55	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	212.22	
<i>For Stainless Steel Nuts And Bolts, Add</i>	36.99	
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	247.20	
<i>For Stainless Steel Nuts And Bolts, Add</i>	43.91	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	153.02	
<i>For Stainless Steel Nuts And Bolts, Add</i>	25.34	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	201.92	
<i>For Stainless Steel Nuts And Bolts, Add</i>	34.12	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	244.83	
<i>For Stainless Steel Nuts And Bolts, Add</i>	41.53	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	294.93	
<i>For Stainless Steel Nuts And Bolts, Add</i>	50.10	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	385.09	
<i>For Stainless Steel Nuts And Bolts, Add</i>	67.29	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	478.89	
<i>For Stainless Steel Nuts And Bolts, Add</i>	84.48	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	584.06	
<i>For Stainless Steel Nuts And Bolts, Add</i>	103.63	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	179.85	
<i>For Stainless Steel Nuts And Bolts, Add</i>	29.91	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.65	
<i>For Stainless Steel Nuts And Bolts, Add</i>	40.57	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	282.72	
<i>For Stainless Steel Nuts And Bolts, Add</i>	47.84	



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0025	EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	331.37 55.59	
33 01 30 51-0026	EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	457.82 80.56	
33 01 30 51-0027	EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	556.60 98.23	
33 01 30 51-0028	EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	664.78 117.39	
33 01 30 51-0029	EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	235.26 35.78	
33 01 30 51-0030	EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	305.46 47.35	
33 01 30 51-0031	EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	368.65 57.30	
33 01 30 51-0032	EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	440.30 68.28	
33 01 30 51-0033	EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	583.57 94.59	
33 01 30 51-0034	EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	697.97 113.10	
33 01 30 51-0035	EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	826.84 133.12	
33 01 30 51-0036	EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	275.01 43.55	
33 01 30 51-0037	EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	368.98 60.24	
33 01 30 51-0038	EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	434.72 70.43	
33 01 30 51-0039	EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	533.16 87.11	
33 01 30 51-0040	EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	699.02 118.16	
33 01 30 51-0041	EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	796.32 132.06	
33 01 30 51-0042	EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,023.50 174.23	
33 01 30 51-0043	EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	313.18 49.12	
33 01 30 51-0044	EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	408.56 65.33	
33 01 30 51-0045	EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	493.13 79.05	
33 01 30 51-0046	EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	606.40 98.23	
33 01 30 51-0047	EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	779.29 129.75	
33 01 30 51-0048	EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	916.78 151.52	
33 01 30 51-0049	EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,163.99 196.47	
33 01 30 51-0050	Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
	Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051	EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	691.33 188.99	
33 01 30 51-0052	EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	979.07 272.83	
33 01 30 51-0053	EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,317.85 370.00	
33 01 30 51-0054	EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,938.54 557.66	
33 01 30 51-0055	EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	725.66 198.29	
33 01 30 51-0056	EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,024.94 285.48	
33 01 30 51-0057	EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,376.26 385.97	
33 01 30 51-0058	EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,032.21 584.27	
33 01 30 51-0059	EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	744.41 202.30	
33 01 30 51-0060	EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,049.58 290.82	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,412.68	
<i>For Stainless Steel Nuts And Bolts, Add</i>	394.62	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,084.32	
<i>For Stainless Steel Nuts And Bolts, Add</i>	596.91	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	764.13	
<i>For Stainless Steel Nuts And Bolts, Add</i>	206.29	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,077.67	
<i>For Stainless Steel Nuts And Bolts, Add</i>	296.80	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,448.15	
<i>For Stainless Steel Nuts And Bolts, Add</i>	401.94	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,136.51	
<i>For Stainless Steel Nuts And Bolts, Add</i>	608.90	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	781.91	
<i>For Stainless Steel Nuts And Bolts, Add</i>	209.62	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,101.79	
<i>For Stainless Steel Nuts And Bolts, Add</i>	301.45	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,483.60	
<i>For Stainless Steel Nuts And Bolts, Add</i>	409.25	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,183.83	
<i>For Stainless Steel Nuts And Bolts, Add</i>	618.87	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	798.67	
<i>For Stainless Steel Nuts And Bolts, Add</i>	212.96	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,126.42	
<i>For Stainless Steel Nuts And Bolts, Add</i>	306.78	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,515.14	
<i>For Stainless Steel Nuts And Bolts, Add</i>	415.91	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,214.40	
<i>For Stainless Steel Nuts And Bolts, Add</i>	623.86	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	817.82	
<i>For Stainless Steel Nuts And Bolts, Add</i>	217.10	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,155.45	
<i>For Stainless Steel Nuts And Bolts, Add</i>	313.43	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,548.61	
<i>For Stainless Steel Nuts And Bolts, Add</i>	423.23	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,281.25	
<i>For Stainless Steel Nuts And Bolts, Add</i>	641.50	
33 01 30 51-0079 Repair Couplings and Fittings <small>(33 01 30 51-0001)</small>		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression <small>(33 01 30 51-0079)</small>		
Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings <small>(33 01 30 51-0080)</small>		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling	43.39	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling	51.05	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling	59.86	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling	67.72	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling	97.21	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows <small>(33 01 30 51-0080)</small>		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow	48.97	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow	60.65	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow	109.88	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow	53.19	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	46.87	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	54.80	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	65.71	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees <small>(33 01 30 51-0080)</small>		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee	84.54	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee	75.58	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee	89.19	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee	79.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter.....	41.33	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter.....	36.32	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter.....	43.33	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter.....	55.34	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter.....	61.61	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter.....	68.89	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter.....	46.90	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter.....	52.72	
33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)		
Note: Includes gaskets.		
33 01 30 51-0112 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	48.33	
33 01 30 51-0113 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	50.44	
33 01 30 51-0114 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring.....	57.21	
33 01 30 51-0115 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	64.01	
33 01 30 51-0116 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	79.29	
33 01 30 51-0117 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring.....	96.19	
33 01 30 51-0118 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	49.45	
33 01 30 51-0119 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	51.68	
33 01 30 51-0120 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	57.39	
33 01 30 51-0121 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	64.58	
33 01 30 51-0122 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	81.17	
33 01 30 51-0123 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	97.01	
33 01 30 51-0124 EA 3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	88.91	
33 01 30 51-0125 EA 1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	104.00	
33 01 30 51-0126 EA 1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	109.34	
33 01 30 51-0127 EA 1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	124.52	
33 01 30 51-0128 EA 2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	151.25	
33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0130 EA 3/4" x 1/2" Reducing Coupling (Compression).....	54.18	
33 01 30 51-0131 EA 1" x 3/4" Reducing Coupling (Compression).....	58.42	
33 01 30 51-0132 EA 1-1/4" x 3/4" Reducing Coupling (Compression).....	66.05	
33 01 30 51-0133 EA 1-1/4" x 1" Reducing Coupling (Compression).....	68.12	
33 01 30 51-0134 EA 1-1/2" x 3/4" Reducing Coupling (Compression).....	122.46	
33 01 30 51-0135 EA 1-1/2" x 1" Reducing Coupling (Compression).....	82.49	
33 01 30 51-0136 EA 1-1/2" x 1-1/4" Reducing Coupling (Compression).....	82.79	
33 01 30 51-0137 EA 2" x 3/4" Reducing Coupling (Compression).....	146.33	
33 01 30 51-0138 EA 2" x 1" Reducing Coupling (Compression).....	134.85	
33 01 30 51-0139 EA 2" x 1-1/4" Reducing Coupling (Compression).....	107.54	
33 01 30 51-0140 EA 2" x 1-1/2" Reducing Coupling (Compression).....	107.24	
33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0142 EA 1" 45 Degree Elbow (Compression).....	84.77	
33 01 30 51-0143 EA 1-1/4" 45 Degree Elbow (Compression).....	89.47	
33 01 30 51-0144 EA 1-1/2" 45 Degree Elbow (Compression).....	115.03	
33 01 30 51-0145 EA 2" 45 Degree Elbow (Compression).....	144.19	
33 01 30 51-0146 EA 3/4" 90 Degree Elbow (Compression).....	58.95	
33 01 30 51-0147 EA 1" 90 Degree Elbow (Compression).....	62.41	
33 01 30 51-0148 EA 1-1/4" 90 Degree Elbow (Compression).....	72.77	
33 01 30 51-0149 EA 1-1/2" 90 Degree Elbow (Compression).....	101.49	
33 01 30 51-0150 EA 2" 90 Degree Elbow (Compression).....	112.87	
33 01 30 51-0151 EA 3/4" Plain End 90 Degree Street Elbow (Compression).....	59.10	
33 01 30 51-0152 EA 1" Plain End 90 Degree Street Elbow (Compression).....	54.96	
33 01 30 51-0153 EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....	62.23	
33 01 30 51-0154 EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....	78.52	
33 01 30 51-0155 EA 2" Plain End 90 Degree Street Elbow (Compression).....	99.88	
33 01 30 51-0156 EA 3/4" Threaded End 90 Degree Street Elbow (Compression).....	60.72	
33 01 30 51-0157 EA 1" Threaded End 90 Degree Street Elbow (Compression).....	57.99	
33 01 30 51-0158 EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression).....	73.49	
33 01 30 51-0159 EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression).....	89.26	
33 01 30 51-0160 EA 2" Threaded End 90 Degree Street Elbow (Compression).....	122.85	
33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0162 EA 3/4" Street Tee (Compression).....	68.89	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0163	EA 1" Street Tee (Compression)	80.93	
33 01 30 51-0164	EA 1-1/4" Street Tee (Compression)	84.13	
33 01 30 51-0165	EA 1-1/2" Street Tee (Compression)	99.09	
33 01 30 51-0166	EA 2" Street Tee (Compression)	141.99	
33 01 30 51-0167	EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	83.55	
33 01 30 51-0168	EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	86.48	
33 01 30 51-0169	EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	108.28	
33 01 30 51-0170	EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	121.53	
33 01 30 51-0171	EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	122.12	
33 01 30 51-0172	EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	107.03	
33 01 30 51-0173	EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression)	139.12	
33 01 30 51-0174	EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression)	153.85	
33 01 30 51-0175	EA 3/4" Welding Street Tee (Compression)	113.06	
33 01 30 51-0176	EA 1" Welding Street Tee (Compression)	115.89	
33 01 30 51-0177	EA 1-1/4" Welding Street Tee (Compression)	125.57	
33 01 30 51-0178	EA 1-1/2" Welding Street Tee (Compression)	152.09	
33 01 30 51-0179	EA 2" Welding Street Tee (Compression)	201.11	
33 01 30 51-0180	EA 3/4" Regular Tee (Compression)	87.37	
33 01 30 51-0181	EA 1" Regular Tee (Compression)	143.93	
33 01 30 51-0182	EA 1-1/4" Regular Tee (Compression)	153.54	
33 01 30 51-0183	EA 1-1/2" Regular Tee (Compression)	168.50	
33 01 30 51-0184	EA 2" Regular Tee (Compression)	189.18	
33 01 30 51-0185	EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	186.83	
33 01 30 51-0186	Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110) Note: Includes armored gaskets.		
33 01 30 51-0187	EA 3/4" Male Adapter (Compression)	58.81	
33 01 30 51-0188	EA 1" Male Adapter (Compression)	66.08	
33 01 30 51-0189	EA 1-1/4" Male Adapter (Compression)	84.25	
33 01 30 51-0190	EA 1-1/2" Male Adapter (Compression)	96.78	
33 01 30 51-0191	EA 2" Male Adapter (Compression)	110.40	
33 01 30 51-0192	EA 1" x 1-1/4" Male Adapter (Compression)	83.87	
33 01 30 51-0193	Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110) Note: Includes armored gaskets.		
33 01 30 51-0194	EA 3/4" Line Caps (Compression)	31.21	
33 01 30 51-0195	EA 1" Line Caps (Compression)	36.35	
33 01 30 51-0196	EA 1-1/4" Line Caps (Compression)	41.56	
33 01 30 51-0197	EA 1-1/2" Line Caps (Compression)	49.42	
33 01 30 51-0198	EA 2" Line Caps (Compression)	60.72	
33 01 30 51-0199	Couplings For Steel Pipe (33 01 30 51-0079) Note: Includes Buna S gasket, Dresser style 38		
33 01 30 51-0200	EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	42.91	
33 01 30 51-0201	EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket	54.76	
33 01 30 51-0202	EA 1" Coupling, 5" Middle Ring With Buna S Gasket	65.25	
33 01 30 51-0203	EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	80.92	
33 01 30 51-0204	EA 2" Coupling, 4" Middle Ring With Buna S Gasket	99.84	
33 01 30 51-0205	EA 2" Coupling, 5" Middle Ring With Buna S Gasket	117.10	
33 01 30 51-0206	EA 2" Coupling, 7" Middle Ring With Buna S Gasket	112.81	
33 01 30 51-0207	EA 3" Coupling, 4" Middle Ring With Buna S Gasket	153.56	
33 01 30 51-0208	EA 3" Coupling, 5" Middle Ring With Buna S Gasket	156.16	
33 01 30 51-0209	EA 3" Coupling, 7" Middle Ring With Buna S Gasket	158.76	
33 01 30 51-0210	EA 4" Coupling, 4" Middle Ring With Buna S Gasket	184.74	
33 01 30 51-0211	EA 4" Coupling, 5" Middle Ring With Buna S Gasket	189.15	
33 01 30 51-0212	EA 4" Coupling, 7" Middle Ring With Buna S Gasket	194.68	
33 01 30 51-0213	EA 5" Coupling, 4" Middle Ring With Buna S Gasket	231.76	
33 01 30 51-0214	EA 5" Coupling, 5" Middle Ring With Buna S Gasket	233.50	
33 01 30 51-0215	EA 5" Coupling, 7" Middle Ring With Buna S Gasket	239.84	
33 01 30 51-0216	EA 6" Coupling, 4" Middle Ring With Buna S Gasket	254.98	
33 01 30 51-0217	EA 6" Coupling, 5" Middle Ring With Buna S Gasket	259.69	
33 01 30 51-0218	EA 6" Coupling, 7" Middle Ring With Buna S Gasket	265.71	
33 01 30 51-0219	EA 8" Coupling, 4" Middle Ring With Buna S Gasket	298.41	
33 01 30 51-0220	EA 8" Coupling, 5" Middle Ring With Buna S Gasket	305.38	
33 01 30 51-0221	EA 8" Coupling, 7" Middle Ring With Buna S Gasket	311.10	
33 01 30 51-0222	EA 10" Coupling, 5" Middle Ring With Buna S Gasket	353.29	
33 01 30 51-0223	EA 10" Coupling, 7" Middle Ring With Buna S Gasket	386.18	
33 01 30 51-0224	EA 12" Coupling, 5" Middle Ring With Buna S Gasket	400.86	
33 01 30 51-0225	EA 12" Coupling, 7" Middle Ring With Buna S Gasket	470.58	
33 01 30 51-0226	EA 14" Coupling, 7" Middle Ring With Buna S Gasket	534.30	
33 01 30 51-0227	EA 16" Coupling, 7" Middle Ring With Buna S Gasket	618.62	
33 01 30 51-0228	EA 18" Coupling, 7" Middle Ring With Buna S Gasket	677.10	
33 01 30 51-0229	EA 20" Coupling, 7" Middle Ring With Buna S Gasket	730.38	
33 01 30 51-0230	EA 22" Coupling, 7" Middle Ring With Buna S Gasket	870.76	
33 01 30 51-0231	EA 24" Coupling, 7" Middle Ring With Buna S Gasket	920.15	



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0232	Couplings For Steel Pipe <small>(33 01 30 51-0079)</small>		
	Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	43.66	
33 01 30 51-0234	EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	54.66	
33 01 30 51-0235	EA 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	65.20	
33 01 30 51-0236	EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	80.58	
33 01 30 51-0237	EA 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	109.76	
33 01 30 51-0238	EA 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	108.39	
33 01 30 51-0239	EA 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	109.08	
33 01 30 51-0240	EA 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	158.76	
33 01 30 51-0241	EA 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	161.36	
33 01 30 51-0242	EA 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	163.96	
33 01 30 51-0243	EA 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	191.82	
33 01 30 51-0244	EA 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	187.24	
33 01 30 51-0245	EA 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	189.65	
33 01 30 51-0246	EA 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	240.88	
33 01 30 51-0247	EA 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	242.16	
33 01 30 51-0248	EA 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	301.13	
33 01 30 51-0249	EA 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	257.77	
33 01 30 51-0250	EA 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	264.54	
33 01 30 51-0251	EA 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	267.15	
33 01 30 51-0252	EA 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	313.54	
33 01 30 51-0253	EA 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	316.11	
33 01 30 51-0254	EA 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	320.25	
33 01 30 51-0255	EA 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	359.53	
33 01 30 51-0256	EA 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	392.68	
33 01 30 51-0257	EA 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	407.36	
33 01 30 51-0258	EA 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	476.94	
33 01 30 51-0259	EA 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	540.80	
33 01 30 51-0260	EA 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	628.37	
33 01 30 51-0261	EA 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	690.10	
33 01 30 51-0262	EA 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	743.38	
33 01 30 51-0263	EA 22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	883.76	
33 01 30 51-0264	EA 24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	933.15	
33 01 30 51-0265	Couplings For Steel Pipe <small>(33 01 30 51-0079)</small>		
	Note: Includes Buna N gasket, protected. Dresser style 38.		
33 01 30 51-0266	EA 1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	48.28	
33 01 30 51-0267	EA 3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	59.36	
33 01 30 51-0268	EA 1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	70.72	
33 01 30 51-0269	EA 1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	87.75	
33 01 30 51-0270	EA 2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	109.76	
33 01 30 51-0271	EA 2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	121.37	
33 01 30 51-0272	EA 2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	125.23	
33 01 30 51-0273	EA 3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	158.76	
33 01 30 51-0274	EA 3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	161.36	
33 01 30 51-0275	EA 3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	163.96	
33 01 30 51-0276	EA 4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	191.82	
33 01 30 51-0277	EA 4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	201.09	
33 01 30 51-0278	EA 4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	204.62	
33 01 30 51-0279	EA 5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	240.88	
33 01 30 51-0280	EA 5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	242.16	
33 01 30 51-0281	EA 5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	257.04	
33 01 30 51-0282	EA 6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	257.77	
33 01 30 51-0283	EA 6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	264.54	
33 01 30 51-0284	EA 6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	267.15	
33 01 30 51-0285	EA 8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	313.54	
33 01 30 51-0286	EA 8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	316.11	
33 01 30 51-0287	EA 8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	320.25	
33 01 30 51-0288	EA 10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	359.53	
33 01 30 51-0289	EA 10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	392.68	
33 01 30 51-0290	EA 12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	407.36	
33 01 30 51-0291	EA 12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	476.94	
33 01 30 51-0292	EA 14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	540.80	
33 01 30 51-0293	EA 16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	618.62	
33 01 30 51-0294	EA 18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	690.10	
33 01 30 51-0295	EA 20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	743.38	
33 01 30 51-0296	EA 22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	883.76	
33 01 30 51-0297	EA 24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	933.15	
33 01 30 51-0298	Couplings For Steel Pipe <small>(33 01 30 51-0079)</small>		
	Note: Includes high temperature carded glass gasket, protected. Dresser style 38.		
33 01 30 51-0299	EA 3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	75.67	
33 01 30 51-0300	EA 1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	85.63	
33 01 30 51-0301	EA 1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	96.84	
33 01 30 51-0302	EA 2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	137.25	
33 01 30 51-0303	EA 2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	144.37	
33 01 30 51-0304	EA 2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	147.99	
33 01 30 51-0305	EA 3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	183.82	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0306 EA 3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	183.00	
33 01 30 51-0307 EA 4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	214.09	
33 01 30 51-0308 EA 4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	217.62	
33 01 30 51-0309 EA 5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	282.52	
33 01 30 51-0310 EA 5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	287.20	
33 01 30 51-0311 EA 6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	308.64	
33 01 30 51-0312 EA 6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	311.75	
33 01 30 51-0313 EA 8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	335.84	
33 01 30 51-0314 EA 8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	382.36	
33 01 30 51-0315 EA 8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	401.33	
33 01 30 51-0316 EA 10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	424.26	
33 01 30 51-0317 EA 10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	424.20	
33 01 30 51-0318 EA 12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	518.08	
33 01 30 51-0319 EA 12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	532.37	
33 01 30 51-0320 EA 14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	606.09	
33 01 30 51-0321 EA 16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	729.00	
33 01 30 51-0322 EA 18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	734.30	
33 01 30 51-0323 EA 20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	810.33	
33 01 30 51-0324 EA 22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	875.31	
33 01 30 51-0325 EA 24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	946.15	
33 01 30 51-0326 Temporary Bypass And Service Lines (33 01 30 51-0001) Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 51-0327 Temporary Water Service Lines (33 01 30 51-0326) Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0328 LF 1/2" Temporary Service Hose With Fittings.....	2.66	
Note: Includes removal after use.		
33 01 30 51-0329 LF 3/4" Temporary Service Hose With Fittings.....	3.37	
Note: Includes removal after use.		
33 01 30 51-0330 LF 1" Temporary Service Hose With Fittings.....	3.91	
Note: Includes removal after use.		
33 01 30 51-0331 LF 1-1/2" Temporary Service Hose With Fittings.....	4.64	
Note: Includes removal after use.		
33 01 30 51-0332 LF 2" Temporary Service Hose With Fittings.....	5.69	
Note: Includes removal after use.		
33 01 30 51-0333 EA Temporary Service Valve Assembly At Fire Hydrant.....	298.84	
Note: Includes removal after use.		
33 01 30 51-0334 Temporary Bypass Water Main Lines (33 01 30 51-0326) Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0335 LF 2" Temporary Bypass Pipe With Fittings.....	5.91	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.38	
33 01 30 51-0336 LF 4" Temporary Bypass Pipe With Fittings.....	7.63	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.07	
For >5,000, Deduct	-1.78	
33 01 30 51-0337 LF 6" Temporary Bypass Pipe With Fittings.....	9.35	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.62	
For >1,000 To 5,000, Deduct	-1.25	
For >5,000, Deduct	-2.08	
33 01 30 51-0338 LF 8" Temporary Bypass Pipe With Fittings.....	11.75	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 5,000, Deduct	-1.49	
For >5,000, Deduct	-2.49	
33 01 30 51-0339 Piping Protection For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0340 LF Cold Mix For Temporary Pipe.....	2.30	
Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 51-0341 Drill Meter Cover For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0342 EA Drill Meter Cover For Temporary Bypass Pipe.....	12.92	
33 01 30 51-0343 Grind Offset Joint (33 01 30 51-0001)		
33 01 30 51-0344 EA 6" To 10", Grind Drop Offset Joint.....	321.99	
33 01 30 51-0345 EA >10" To 15", Grind Drop Offset Joint.....	429.33	
33 01 30 51-0346 EA >15" To 24", Grind Drop Offset Joint.....	536.66	
33 01 30 51-0347 EA >24" To 30", Grind Drop Offset Joint.....	643.99	
33 01 30 51-0348 Temporary Pipe Plugging (33 01 30 51-0001)		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0349 Gravity Bladder Pipe Plugging (33 01 30 51-0348)				
Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.				
33 01 30 51-0350	EA	3/4" Bladder Type Pipe Plug.....	60.89	
33 01 30 51-0351	EA	1" Bladder Type Pipe Plug.....	65.22	
33 01 30 51-0352	EA	1-1/4" Bladder Type Pipe Plug.....	70.74	
33 01 30 51-0353	EA	1-1/2" Bladder Type Pipe Plug.....	75.78	
33 01 30 51-0354	EA	2" Bladder Type Pipe Plug.....	80.59	
33 01 30 51-0355	EA	2-1/2" Bladder Type Pipe Plug.....	86.09	
33 01 30 51-0356	EA	3" Bladder Type Pipe Plug.....	93.39	
33 01 30 51-0357	EA	4" Bladder Type Pipe Plug.....	102.88	
33 01 30 51-0358	EA	5" Bladder Type Pipe Plug.....	111.38	
33 01 30 51-0359	EA	6" Bladder Type Pipe Plug.....	124.11	
33 01 30 51-0360	EA	8" Bladder Type Pipe Plug.....	137.89	
33 01 30 51-0361	EA	10" Bladder Type Pipe Plug.....	159.73	
33 01 30 51-0362	EA	12" Bladder Type Pipe Plug.....	189.50	
33 01 30 51-0363	EA	14" Bladder Type Pipe Plug.....	225.05	
33 01 30 51-0364	EA	16" Bladder Type Pipe Plug.....	270.91	
33 01 30 51-0365	EA	18" Bladder Type Pipe Plug.....	326.02	
33 01 30 51-0366	EA	20" Bladder Type Pipe Plug.....	390.14	
33 01 30 51-0367	EA	24" Bladder Type Pipe Plug.....	451.26	
33 01 30 51-0368 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0348)				
Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.				
33 01 30 51-0369	EA	2" Hydra Stop, Line Stopper.....	1,608.88	
33 01 30 51-0370	EA	2-1/2" Hydra Stop, Line Stopper.....	2,017.76	
33 01 30 51-0371	EA	3" Hydra Stop, Line Stopper.....	2,466.69	
33 01 30 51-0372	EA	4" Hydra Stop, Line Stopper.....	3,017.57	
33 01 30 51-0373	EA	5" Hydra Stop, Line Stopper.....	3,455.02	
33 01 30 51-0374	EA	6" Hydra Stop, Line Stopper.....	4,196.48	
33 01 30 51-0375	EA	8" Hydra Stop, Line Stopper.....	4,633.92	
33 01 30 51-0376	EA	10" Hydra Stop, Line Stopper.....	5,375.36	
33 01 30 51-0377	EA	12" Hydra Stop, Line Stopper.....	6,116.83	
33 01 30 51-0378	EA	14" Hydra Stop, Line Stopper.....	6,891.62	
33 01 30 51-0379	EA	16" Hydra Stop, Line Stopper.....	7,866.64	
33 01 30 51-0380	EA	18" Hydra Stop, Line Stopper.....	8,941.73	
33 01 30 51-0381	EA	20" Hydra Stop, Line Stopper.....	10,483.83	
33 01 30 51-0382 Aluminum Expansion Plugs (33 01 30 51-0348)				
Note: For use with PVC, clay Or cast iron drainage pipe.				
33 01 30 51-0383	EA	3" Pipe Plug.....	46.35	
33 01 30 51-0384	EA	4" Pipe Plug.....	64.06	
33 01 30 51-0385	EA	5" Pipe Plug.....	71.90	
33 01 30 51-0386	EA	6" Pipe Plug.....	105.65	
33 01 30 51-0387	EA	8" Pipe Plug.....	108.94	
33 01 30 51-0388	EA	10" Pipe Plug.....	134.57	
33 01 30 51-0389	EA	12" Pipe Plug.....	178.91	
33 01 30 51-0390	EA	14" Pipe Plug.....	282.86	
33 01 30 51-0391	EA	15" Pipe Plug.....	305.77	
33 01 30 51-0392 Pipe Repair Clamp, Stainless Steel, 3" Long (33 01 30 51-0001)				
33 01 30 51-0393	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	141.07	
33 01 30 51-0394	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	141.25	
33 01 30 51-0395	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	141.69	
33 01 30 51-0396	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	142.13	
33 01 30 51-0397	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	142.35	
33 01 30 51-0398	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	143.01	
33 01 30 51-0399	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	143.67	
33 01 30 51-0400	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	144.55	
33 01 30 51-0401	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	259.41	
33 01 30 51-0402	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	262.27	
33 01 30 51-0403	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	264.26	
33 01 30 51-0404	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	285.21	
33 01 30 51-0405	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	287.86	
33 01 30 51-0406	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	289.63	
33 01 30 51-0407	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	292.27	
33 01 30 51-0408	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	294.92	
33 01 30 51-0409	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	298.45	
33 01 30 51-0410	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	304.62	
33 01 30 61 Sewer and Pipe Joint Sealing (33 01 30)				
33 01 30 61-0001 Joint Air Test (33 01 30 61)				
33 01 30 61-0002	EA	4" To 8", Joint Air Test.....	80.44	
33 01 30 61-0003	EA	10" To 15", Joint Air Test.....	93.86	
33 01 30 61-0004	EA	>15" To 21", Joint Air Test.....	107.27	
33 01 30 61-0005	EA	>21" To 24", Joint Air Test.....	134.08	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 61-0006 EA >24" To 27", Joint Air Test	160.90	
33 01 30 61-0007 EA >27" To 36", Joint Air Test	187.71	
33 01 30 61-0008 Joint Seal And Joint Air Retest <small>(33 01 30 61)</small>		
Note: Includes grout.		
33 01 30 61-0009 EA 4" Joint Seal And Joint Air Retest	232.52	
Note: Includes up to 1 gallon of grout.		
33 01 30 61-0010 EA 6" Joint Seal And Joint Air Retest	259.33	
Note: Includes 1 gallon of grout.		
33 01 30 61-0011 EA 8" Joint Seal And Joint Air Retest	304.14	
Note: Includes 2 gallons of grout.		
33 01 30 61-0012 EA 10" Joint Seal And Joint Air Retest	339.96	
Note: Includes 2.5 gallons of grout.		
33 01 30 61-0013 EA 12" Joint Seal And Joint Air Retest	375.77	
Note: Includes 3 gallons of grout.		
33 01 30 61-0014 EA 15" Joint Seal And Joint Air Retest	442.88	
Note: Includes 3.75 gallons of grout.		
33 01 30 61-0015 EA 18" Joint Seal And Joint Air Retest	510.01	
Note: Includes 4.5 gallons of grout.		
33 01 30 61-0016 EA 21" Joint Seal And Joint Air Retest	577.14	
Note: Includes 5.25 gallons of grout.		
33 01 30 61-0017 EA 24" Joint Seal And Joint Air Retest	671.08	
Note: Includes 6 gallons of grout.		
33 01 30 61-0018 EA 27" Joint Seal And Joint Air Retest	765.02	
Note: Includes 6.75 gallons of grout.		
33 01 30 61-0019 EA 30" Joint Seal And Joint Air Retest	885.78	
Note: Includes 7.5 gallons of grout.		
33 01 30 61-0020 EA 36" Joint Seal And Joint Air Retest	1,020.03	
Note: Includes 9 gallons of grout.		
33 01 30 61-0021 GAL Extra Grout Per Joint	125.26	
Note: For extra grout per joint required over listed amount.		
33 01 30 71 Rehabilitation Of Sewer Utilities <small>(33 01 30)</small>		
33 01 30 71-0001 Pipe Bursting <small>(33 01 30 71)</small>		
Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control.		
33 01 30 71-0002 Manhole Chipping <small>(33 01 30 71-0001)</small>		
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 71-0003 EA 6" To 15" Diameter, Manhole Chipping.....	303.51	
33 01 30 71-0004 EA >15" To 24" Diameter, Manhole Chipping.....	356.31	
33 01 30 71-0005 EA >24" To 36" Diameter, Manhole Chipping.....	445.37	
33 01 30 71-0006 Pipe Bursting <small>(33 01 30 71-0001)</small>		
Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 71-0047 for PE piping.		
33 01 30 71-0007 Pipe Bursting Equipment Set-up <small>(33 01 30 71-0006)</small>		
33 01 30 71-0008 EA Initial Set-up Pipe Bursting Equipment.....	5,590.52	
33 01 30 71-0009 EA Re-Set Up/Move Pipe Bursting Equipment.....	2,795.27	
33 01 30 71-0010 EA Set Up/Move Pipe Bursting Equipment For Laterals.....	1,397.63	
33 01 30 71-0011 Pneumatic Head Pipe Bursting <small>(33 01 30 71-0006)</small>		
33 01 30 71-0012 LF 4" Diameter, Pneumatic Head Pipe Bursting	17.54	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.98	
For >150 To 200, Add	0.64	
For >100 To 150, Add	1.27	
For >75 To 100, Add	1.91	
For >50 To 75, Add	2.54	
For >25 To 50, Add	3.81	
For Up To 25, Add	5.72	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.27	
For Bursting Ductile Iron Pipe, Add	3.18	
33 01 30 71-0013 LF 6" Diameter, Pneumatic Head Pipe Bursting	20.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.21	
For >150 To 200, Add	0.79	
For >100 To 150, Add	1.58	
For >75 To 100, Add	2.36	
For >50 To 75, Add	3.15	
For >25 To 50, Add	4.73	
For Up To 25, Add	7.09	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.58	
For Bursting Ductile Iron Pipe, Add	3.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0014 LF 8" Diameter, Pneumatic Head Pipe Bursting	23.45	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.43	
For >150 To 200, Add	0.93	
For >100 To 150, Add	1.86	
For >75 To 100, Add	2.79	
For >50 To 75, Add	3.72	
For >25 To 50, Add	5.59	
For Up To 25, Add	8.38	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.86	
For Bursting Ductile Iron Pipe, Add	4.66	
33 01 30 71-0015 LF 10" Diameter, Pneumatic Head Pipe Bursting	27.15	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.72	
For >150 To 200, Add	1.12	
For >100 To 150, Add	2.23	
For >75 To 100, Add	3.35	
For >50 To 75, Add	4.46	
For >25 To 50, Add	6.70	
For Up To 25, Add	10.04	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.23	
For Bursting Ductile Iron Pipe, Add	5.58	
33 01 30 71-0016 LF 12" Diameter, Pneumatic Head Pipe Bursting	31.40	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.05	
For >150 To 200, Add	1.33	
For >100 To 150, Add	2.66	
For >75 To 100, Add	3.99	
For >50 To 75, Add	5.31	
For >25 To 50, Add	7.97	
For Up To 25, Add	11.96	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.66	
For Bursting Ductile Iron Pipe, Add	6.64	
33 01 30 71-0017 LF 15" Diameter, Pneumatic Head Pipe Bursting	34.10	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.11	
For >150 To 200, Add	1.37	
For >100 To 150, Add	2.74	
For >75 To 100, Add	4.11	
For >50 To 75, Add	5.49	
For >25 To 50, Add	8.23	
For Up To 25, Add	12.34	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.74	
For Bursting Ductile Iron Pipe, Add	6.86	
33 01 30 71-0018 LF 18" Diameter, Pneumatic Head Pipe Bursting	38.37	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.44	
For >150 To 200, Add	1.59	
For >100 To 150, Add	3.17	
For >75 To 100, Add	4.76	
For >50 To 75, Add	6.34	
For >25 To 50, Add	9.51	
For Up To 25, Add	14.27	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.17	
For Bursting Ductile Iron Pipe, Add	7.93	
33 01 30 71-0019 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	47.72	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.90	
For >150 To 200, Add	1.89	
For >100 To 150, Add	3.77	
For >75 To 100, Add	5.66	
For >50 To 75, Add	7.54	
For >25 To 50, Add	11.31	
For Up To 25, Add	16.97	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.77	
For Bursting Ductile Iron Pipe, Add	9.43	
33 01 30 71-0020 LF 24" Diameter, Pneumatic Head Pipe Bursting	59.85	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.84	
For >150 To 200, Add	2.49	
For >100 To 150, Add	4.98	
For >75 To 100, Add	7.48	
For >50 To 75, Add	9.97	
For >25 To 50, Add	14.95	
For Up To 25, Add	22.43	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.98	
For Bursting Ductile Iron Pipe, Add	12.46	
33 01 30 71-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting	65.04	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.98	
For >150 To 200, Add	2.59	
For >100 To 150, Add	5.17	
For >75 To 100, Add	7.76	
For >50 To 75, Add	10.34	
For >25 To 50, Add	15.51	
For Up To 25, Add	23.27	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.17	
For Bursting Ductile Iron Pipe, Add	12.93	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting	85.21	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.53	
For >150 To 200, Add	3.59	
For >100 To 150, Add	7.19	
For >75 To 100, Add	10.78	
For >50 To 75, Add	14.37	
For >25 To 50, Add	21.56	
For Up To 25, Add	32.34	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.19	
For Bursting Ductile Iron Pipe, Add	17.97	
33 01 30 71-0023 Static Head Pipe Bursting (33 01 30 71-0006)		
33 01 30 71-0024 LF 4" Diameter, Static Head Pipe Bursting	23.71	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.45	
For >150 To 200, Add	0.94	
For >100 To 150, Add	1.89	
For >75 To 100, Add	2.83	
For >50 To 75, Add	3.78	
For >25 To 50, Add	5.66	
For Up To 25, Add	8.50	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.89	
For Bursting Ductile Iron Pipe, Add	4.72	
33 01 30 71-0025 LF 6" Diameter, Static Head Pipe Bursting	26.79	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.69	
For >150 To 200, Add	1.10	
For >100 To 150, Add	2.20	
For >75 To 100, Add	3.29	
For >50 To 75, Add	4.39	
For >25 To 50, Add	6.59	
For Up To 25, Add	9.88	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.20	
For Bursting Ductile Iron Pipe, Add	5.49	
33 01 30 71-0026 LF 8" Diameter, Static Head Pipe Bursting	30.34	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.96	
For >150 To 200, Add	1.28	
For >100 To 150, Add	2.55	
For >75 To 100, Add	3.83	
For >50 To 75, Add	5.10	
For >25 To 50, Add	7.65	
For Up To 25, Add	11.48	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.55	
For Bursting Ductile Iron Pipe, Add	6.38	
33 01 30 71-0027 LF 10" Diameter, Static Head Pipe Bursting	34.95	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.32	
For >150 To 200, Add	1.51	
For >100 To 150, Add	3.01	
For >75 To 100, Add	4.52	
For >50 To 75, Add	6.02	
For >25 To 50, Add	9.04	
For Up To 25, Add	13.55	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.01	
For Bursting Ductile Iron Pipe, Add	7.53	
33 01 30 71-0028 LF 12" Diameter, Static Head Pipe Bursting	40.29	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.73	
For >150 To 200, Add	1.77	
For >100 To 150, Add	3.55	
For >75 To 100, Add	5.32	
For >50 To 75, Add	7.09	
For >25 To 50, Add	10.64	
For Up To 25, Add	15.96	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.55	
For Bursting Ductile Iron Pipe, Add	8.87	
33 01 30 71-0029 LF 15" Diameter, Static Head Pipe Bursting	45.60	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.00	
For >150 To 200, Add	1.95	
For >100 To 150, Add	3.89	
For >75 To 100, Add	5.84	
For >50 To 75, Add	7.79	
For >25 To 50, Add	11.68	
For Up To 25, Add	17.52	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.89	
For Bursting Ductile Iron Pipe, Add	9.73	
33 01 30 71-0030 LF 18" Diameter, Static Head Pipe Bursting	50.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.39	
For >150 To 200, Add	2.20	
For >100 To 150, Add	4.41	
For >75 To 100, Add	6.61	
For >50 To 75, Add	8.81	
For >25 To 50, Add	13.22	
For Up To 25, Add	19.83	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.41	
For Bursting Ductile Iron Pipe, Add	11.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0031 LF 21" Diameter, Static Head Pipe Bursting	62.76	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.06	
For >150 To 200, Add	2.64	
For >100 To 150, Add	5.28	
For >75 To 100, Add	7.91	
For >50 To 75, Add	10.55	
For >25 To 50, Add	15.83	
For Up To 25, Add	23.74	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.28	
For Bursting Ductile Iron Pipe, Add	13.19	
33 01 30 71-0032 LF 24" Diameter, Static Head Pipe Bursting	81.96	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.54	
For >150 To 200, Add	3.60	
For >100 To 150, Add	7.20	
For >75 To 100, Add	10.79	
For >50 To 75, Add	14.39	
For >25 To 50, Add	21.59	
For Up To 25, Add	32.38	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.20	
For Bursting Ductile Iron Pipe, Add	17.99	
33 01 30 71-0033 LF 30" Diameter, Static Head Pipe Bursting	99.32	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.62	
For >150 To 200, Add	4.30	
For >100 To 150, Add	8.60	
For >75 To 100, Add	12.90	
For >50 To 75, Add	17.20	
For >25 To 50, Add	25.79	
For Up To 25, Add	38.69	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.60	
For Bursting Ductile Iron Pipe, Add	21.50	
33 01 30 71-0034 LF 36" Diameter, Static Head Pipe Bursting	121.13	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.30	
For >150 To 200, Add	5.39	
For >100 To 150, Add	10.78	
For >75 To 100, Add	16.17	
For >50 To 75, Add	21.56	
For >25 To 50, Add	32.34	
For Up To 25, Add	48.51	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	10.78	
For Bursting Ductile Iron Pipe, Add	26.95	
33 01 30 71-0035 Hydraulic Head Pipe Bursting <small>(33 01 30 71-0006)</small>		
33 01 30 71-0036 LF 4" Diameter, Hydraulic Head Pipe Bursting	20.36	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.20	
For >150 To 200, Add	0.78	
For >100 To 150, Add	1.55	
For >75 To 100, Add	2.33	
For >50 To 75, Add	3.11	
For >25 To 50, Add	4.66	
For Up To 25, Add	6.99	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.55	
For Bursting Ductile Iron Pipe, Add	3.88	
33 01 30 71-0037 LF 6" Diameter, Hydraulic Head Pipe Bursting	23.08	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.41	
For >150 To 200, Add	0.91	
For >100 To 150, Add	1.83	
For >75 To 100, Add	2.74	
For >50 To 75, Add	3.65	
For >25 To 50, Add	5.48	
For Up To 25, Add	8.21	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.83	
For Bursting Ductile Iron Pipe, Add	4.56	
33 01 30 71-0038 LF 8" Diameter, Hydraulic Head Pipe Bursting	26.21	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.65	
For >150 To 200, Add	1.07	
For >100 To 150, Add	2.14	
For >75 To 100, Add	3.21	
For >50 To 75, Add	4.28	
For >25 To 50, Add	6.41	
For Up To 25, Add	9.62	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.14	
For Bursting Ductile Iron Pipe, Add	5.35	
33 01 30 71-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting	30.27	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.96	
For >150 To 200, Add	1.27	
For >100 To 150, Add	2.54	
For >75 To 100, Add	3.82	
For >50 To 75, Add	5.09	
For >25 To 50, Add	7.63	
For Up To 25, Add	11.45	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.54	
For Bursting Ductile Iron Pipe, Add	6.36	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting	34.95	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.32	
For >150 To 200, Add	1.51	
For >100 To 150, Add	3.01	
For >75 To 100, Add	4.52	
For >50 To 75, Add	6.02	
For >25 To 50, Add	9.04	
For Up To 25, Add	13.55	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.01	
For Bursting Ductile Iron Pipe, Add	7.53	
33 01 30 71-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting	39.38	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.52	
For >150 To 200, Add	1.64	
For >100 To 150, Add	3.27	
For >75 To 100, Add	4.91	
For >50 To 75, Add	6.54	
For >25 To 50, Add	9.81	
For Up To 25, Add	14.72	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.27	
For Bursting Ductile Iron Pipe, Add	8.18	
33 01 30 71-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting	44.41	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.91	
For >150 To 200, Add	1.89	
For >100 To 150, Add	3.77	
For >75 To 100, Add	5.66	
For >50 To 75, Add	7.55	
For >25 To 50, Add	11.32	
For Up To 25, Add	16.98	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.77	
For Bursting Ductile Iron Pipe, Add	9.44	
33 01 30 71-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	55.21	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.48	
For >150 To 200, Add	2.26	
For >100 To 150, Add	4.52	
For >75 To 100, Add	6.78	
For >50 To 75, Add	9.04	
For >25 To 50, Add	13.56	
For Up To 25, Add	20.34	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.52	
For Bursting Ductile Iron Pipe, Add	11.30	
33 01 30 71-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting	72.88	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.84	
For >150 To 200, Add	3.14	
For >100 To 150, Add	6.29	
For >75 To 100, Add	9.43	
For >50 To 75, Add	12.57	
For >25 To 50, Add	18.86	
For Up To 25, Add	28.29	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.29	
For Bursting Ductile Iron Pipe, Add	15.72	
33 01 30 71-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting	89.13	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.84	
For >150 To 200, Add	3.79	
For >100 To 150, Add	7.58	
For >75 To 100, Add	11.37	
For >50 To 75, Add	15.16	
For >25 To 50, Add	22.74	
For Up To 25, Add	34.11	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.58	
For Bursting Ductile Iron Pipe, Add	18.95	
33 01 30 71-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting	109.87	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.43	
For >150 To 200, Add	4.83	
For >100 To 150, Add	9.65	
For >75 To 100, Add	14.48	
For >50 To 75, Add	19.31	
For >25 To 50, Add	28.96	
For Up To 25, Add	43.44	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.65	
For Bursting Ductile Iron Pipe, Add	24.13	
33 01 30 71-0047 Pipe Lining <small>(33 01 30 71-0001)</small>		
33 01 30 71-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 71-0047)</small>		
Note: Per each joint.		
33 01 30 71-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	92.58	
33 01 30 71-0050 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	106.22	
33 01 30 71-0051 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	126.69	
33 01 30 71-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 71-0047)</small>		
Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 71-0048 for pipe joint fusion.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0053 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	2.71	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.28	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	0.76	
<i>For White Interior Pipe, Add</i>	0.51	
<i>For Gray Interior Pipe, Add</i>	0.39	
33 01 30 71-0054 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.54	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.42	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.15	
<i>For White Interior Pipe, Add</i>	0.78	
<i>For Gray Interior Pipe, Add</i>	0.59	
33 01 30 71-0055 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	4.97	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.68	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.84	
<i>For White Interior Pipe, Add</i>	1.24	
<i>For Gray Interior Pipe, Add</i>	0.94	
33 01 30 71-0056 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.60	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.78	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.13	
<i>For White Interior Pipe, Add</i>	1.44	
<i>For Gray Interior Pipe, Add</i>	1.09	
33 01 30 71-0057 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.65	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.14	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.11	
<i>For White Interior Pipe, Add</i>	2.10	
<i>For Gray Interior Pipe, Add</i>	1.59	
33 01 30 71-0058 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.19	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.78	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.83	
<i>For White Interior Pipe, Add</i>	3.26	
<i>For Gray Interior Pipe, Add</i>	2.47	
33 01 30 71-0059 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	15.25	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.50	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.80	
<i>For White Interior Pipe, Add</i>	4.59	
<i>For Gray Interior Pipe, Add</i>	3.48	
33 01 30 71-0060 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	16.68	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.75	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	7.48	
<i>For White Interior Pipe, Add</i>	5.05	
<i>For Gray Interior Pipe, Add</i>	3.82	
33 01 30 71-0061 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	18.19	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.02	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	8.20	
<i>For White Interior Pipe, Add</i>	5.53	
<i>For Gray Interior Pipe, Add</i>	4.19	
33 01 30 71-0062 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	23.42	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.94	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	10.70	
<i>For White Interior Pipe, Add</i>	7.22	
<i>For Gray Interior Pipe, Add</i>	5.47	
33 01 30 71-0063 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	29.35	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.99	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	13.56	
<i>For White Interior Pipe, Add</i>	9.15	
<i>For Gray Interior Pipe, Add</i>	6.93	
33 01 30 71-0064 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	35.95	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.16	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	16.73	
<i>For White Interior Pipe, Add</i>	11.29	
<i>For Gray Interior Pipe, Add</i>	8.55	
33 01 30 71-0065 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	43.26	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-7.45	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	20.24	
<i>For White Interior Pipe, Add</i>	13.66	
<i>For Gray Interior Pipe, Add</i>	10.35	
33 01 30 71-0066 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	51.31	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.87	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	24.10	
<i>For White Interior Pipe, Add</i>	16.26	
<i>For Gray Interior Pipe, Add</i>	12.32	
33 01 30 71-0067 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	60.00	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.40	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	28.26	
<i>For White Interior Pipe, Add</i>	19.07	
<i>For Gray Interior Pipe, Add</i>	14.45	
33 01 30 71-0068 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	69.48	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-12.07	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	32.78	
<i>For White Interior Pipe, Add</i>	22.12	
<i>For Gray Interior Pipe, Add</i>	16.76	
33 01 30 71-0069 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	79.67	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.85	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	37.64	
<i>For White Interior Pipe, Add</i>	25.40	
<i>For Gray Interior Pipe, Add</i>	19.24	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	90.59	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-15.76	
For DR 11 Polyethylene Pipe, 160 PSI, Add	42.81	
For White Interior Pipe, Add	28.89	
For Gray Interior Pipe, Add	21.89	
33 01 30 71-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	111.52	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-19.45	
For DR 11 Polyethylene Pipe, 160 PSI, Add	52.83	
For White Interior Pipe, Add	35.65	
For Gray Interior Pipe, Add	27.01	
33 01 30 71-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	114.88	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-19.95	
For DR 11 Polyethylene Pipe, 160 PSI, Add	54.19	
For White Interior Pipe, Add	36.57	
For Gray Interior Pipe, Add	27.71	
33 01 30 71-0073 Re-Connection Of Non-Renewed Laterals (33 01 30 71-0001)		
33 01 30 71-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 71-0073)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0038 for hauling.		
33 01 30 71-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	908.51	
For No Excavation, Deduct	-601.33	
33 01 30 71-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,020.39	
For No Excavation, Deduct	-676.49	
33 01 30 71-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,077.08	
For No Excavation, Deduct	-714.08	
33 01 30 71-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,133.77	
For No Excavation, Deduct	-751.66	
33 01 30 71-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,218.94	
For No Excavation, Deduct	-789.24	
33 01 30 71-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,144.26	
For No Excavation, Deduct	-751.66	
33 01 30 71-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,202.45	
For No Excavation, Deduct	-789.24	
33 01 30 71-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,281.63	
For No Excavation, Deduct	-826.83	
33 01 30 71-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,462.75	
For No Excavation, Deduct	-864.41	
33 01 30 71-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,537.43	
For No Excavation, Deduct	-901.99	
33 01 30 71-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,810.00	
For No Excavation, Deduct	-939.58	
33 01 30 71-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style (33 01 30 71-0073)		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0038 for hauling.		
33 01 30 71-0087 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,181.78	
For No Excavation, Deduct	-671.13	
For Strap-On Saddle Type Instead Of Fusion Weld	-142.52	
33 01 30 71-0088 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,427.09	
For No Excavation, Deduct	-697.97	
For Strap-On Saddle Type Instead Of Fusion Weld	-124.52	
33 01 30 71-0089 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,489.07	
For No Excavation, Deduct	-724.82	
For Strap-On Saddle Type Instead Of Fusion Weld	15.99	
33 01 30 71-0090 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,650.13	
For No Excavation, Deduct	-805.35	
For Strap-On Saddle Type Instead Of Fusion Weld	-16.23	
33 01 30 71-0091 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,701.36	
For No Excavation, Deduct	-859.04	
For Strap-On Saddle Type Instead Of Fusion Weld	403.88	
33 01 30 71-0092 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,252.47	
For No Excavation, Deduct	-953.00	
For Strap-On Saddle Type Instead Of Fusion Weld	420.77	
33 01 30 71-0093 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,857.89	
For No Excavation, Deduct	-1,046.96	
For Strap-On Saddle Type Instead Of Fusion Weld	745.81	
33 01 30 71-0094 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,308.15	
For No Excavation, Deduct	-1,181.19	
For Strap-On Saddle Type Instead Of Fusion Weld	569.39	
33 01 30 71-0096 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,324.15	
For No Excavation, Deduct	-1,395.95	
For Strap-On Saddle Type Instead Of Fusion Weld	72.146	

33 01 30 72 Relining Pipelines (33 01 30)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0001 Relining Underground Pipelines <small>(33 01 30 72)</small>		
<small>Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 33 01 30 16-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.</small>		
33 01 30 72-0002 Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0001)</small>		
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	4,025.12	
33 01 30 72-0004 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines.....	1,610.05	
33 01 30 72-0005 EA Mixing Truck And Refrigeration For 54" To 72" CIPP	26,231.68	
<small>Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.</small>		
33 01 30 72-0006 Lining Pipe With Cured In-Place Pipe <small>(33 01 30 72-0001)</small>		
<small>Note: Cured in-place thermosetting resin pipe and resin impregnated tube.</small>		
33 01 30 72-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	25.26	
For Up To 75, Add	17.13	
For >75 To 150, Add	8.56	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.34	
For >2,000 To 5,000, Deduct	-2.07	
For >5,000, Deduct	-2.99	
For 7.5mm Liner Thickness, Add	3.99	
For 9mm Liner Thickness, Add	8.07	
33 01 30 72-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	27.92	
For Up To 75, Add	18.66	
For >75 To 150, Add	9.33	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.47	
For >2,000 To 5,000, Deduct	-2.28	
For >5,000, Deduct	-3.30	
For 7.5mm Liner Thickness, Add	4.47	
For 9mm Liner Thickness, Add	9.03	
33 01 30 72-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	31.20	
For Up To 75, Add	20.51	
For >75 To 150, Add	10.26	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.63	
For >2,000 To 5,000, Deduct	-2.53	
For >5,000, Deduct	-3.67	
For 7.5mm Liner Thickness, Add	5.06	
For 9mm Liner Thickness, Add	10.22	
33 01 30 72-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	34.73	
For Up To 75, Add	22.65	
For >75 To 150, Add	11.33	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.81	
For >2,000 To 5,000, Deduct	-2.81	
For >5,000, Deduct	-4.08	
For 7.5mm Liner Thickness, Add	5.66	
For 9mm Liner Thickness, Add	11.45	
33 01 30 72-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	39.87	
For Up To 75, Add	25.81	
For >75 To 150, Add	12.91	
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 2,000, Deduct	-2.08	
For >2,000 To 5,000, Deduct	-3.22	
For >5,000, Deduct	-4.67	
For 7.5mm Liner Thickness, Add	6.54	
For 9mm Liner Thickness, Add	13.22	
For 10.5mm Liner Thickness, Add	19.81	
For 12mm Liner Thickness, Add	26.36	
For 13.5mm Liner Thickness, Add	33.00	
For 15mm Liner Thickness, Add	39.54	
33 01 30 72-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	46.53	
For Up To 75, Add	29.43	
For >75 To 150, Add	14.72	
For >500 To 1,000, Deduct	-1.24	
For >1,000 To 2,000, Deduct	-2.40	
For >2,000 To 5,000, Deduct	-3.72	
For >5,000, Deduct	-5.43	
For 7.5mm Liner Thickness, Add	7.76	
For 9mm Liner Thickness, Add	15.70	
For 10.5mm Liner Thickness, Add	23.52	
For 12mm Liner Thickness, Add	31.30	
For 13.5mm Liner Thickness, Add	39.19	
For 15mm Liner Thickness, Add	46.95	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	52.05	
For Up To 75, Add	32.21	
For >75 To 150, Add	16.11	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.67	
For >2,000 To 5,000, Deduct	-4.13	
For >5,000, Deduct	-6.04	
For 7.5mm Liner Thickness, Add	8.82	
For 9mm Liner Thickness, Add	17.83	
For 10.5mm Liner Thickness, Add	26.72	
For 12mm Liner Thickness, Add	35.56	
For 13.5mm Liner Thickness, Add	44.52	
For 15mm Liner Thickness, Add	53.34	
For 16.5mm Liner Thickness, Add	63.30	
For 18mm Liner Thickness, Add	72.35	
For 19.5mm Liner Thickness, Add	81.67	
For 21mm Liner Thickness, Add	90.62	
For 22.5mm Liner Thickness, Add	99.67	
For 24mm Liner Thickness, Add	108.74	
For 27mm Liner Thickness, Add	126.91	
33 01 30 72-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	56.81	
For Up To 75, Add	35.15	
For >75 To 150, Add	17.58	
For >500 To 1,000, Deduct	-1.50	
For >1,000 To 2,000, Deduct	-2.91	
For >2,000 To 5,000, Deduct	-4.51	
For >5,000, Deduct	-6.60	
For 7.5mm Liner Thickness, Add	9.63	
For 9mm Liner Thickness, Add	19.47	
For 10.5mm Liner Thickness, Add	29.17	
For 12mm Liner Thickness, Add	38.82	
For 13.5mm Liner Thickness, Add	48.60	
For 15mm Liner Thickness, Add	58.23	
For 16.5mm Liner Thickness, Add	69.10	
For 18mm Liner Thickness, Add	78.97	
For 19.5mm Liner Thickness, Add	89.15	
For 21mm Liner Thickness, Add	98.92	
For 22.5mm Liner Thickness, Add	108.79	
For 24mm Liner Thickness, Add	118.70	
For 27mm Liner Thickness, Add	138.52	
33 01 30 72-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	63.89	
For Up To 75, Add	38.95	
For >75 To 150, Add	19.47	
For >500 To 1,000, Deduct	-1.68	
For >1,000 To 2,000, Deduct	-3.26	
For >2,000 To 5,000, Deduct	-5.04	
For >5,000, Deduct	-7.40	
For 7.5mm Liner Thickness, Add	10.94	
For 9mm Liner Thickness, Add	22.12	
For 10.5mm Liner Thickness, Add	33.15	
For 12mm Liner Thickness, Add	44.11	
For 13.5mm Liner Thickness, Add	55.23	
For 15mm Liner Thickness, Add	66.17	
For 16.5mm Liner Thickness, Add	78.52	
For 18mm Liner Thickness, Add	89.73	
For 19.5mm Liner Thickness, Add	101.30	
For 21mm Liner Thickness, Add	112.41	
For 22.5mm Liner Thickness, Add	123.62	
For 24mm Liner Thickness, Add	134.88	
For 27mm Liner Thickness, Add	157.41	
33 01 30 72-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	70.98	
For Up To 75, Add	43.26	
For >75 To 150, Add	21.63	
For >500 To 1,000, Deduct	-1.87	
For >1,000 To 2,000, Deduct	-3.62	
For >2,000 To 5,000, Deduct	-5.60	
For >5,000, Deduct	-8.22	
For 7.5mm Liner Thickness, Add	12.16	
For 9mm Liner Thickness, Add	24.58	
For 10.5mm Liner Thickness, Add	36.83	
For 12mm Liner Thickness, Add	49.01	
For 13.5mm Liner Thickness, Add	61.36	
For 15mm Liner Thickness, Add	73.51	
For 16.5mm Liner Thickness, Add	87.24	
For 18mm Liner Thickness, Add	99.70	
For 19.5mm Liner Thickness, Add	112.55	
For 21mm Liner Thickness, Add	124.89	
For 22.5mm Liner Thickness, Add	137.35	
For 24mm Liner Thickness, Add	149.86	
For 27mm Liner Thickness, Add	174.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	86.47	
For Up To 75, Add	50.00	
For >75 To 150, Add	25.00	
For >500 To 1,000, Deduct	-2.23	
For >1,000 To 2,000, Deduct	-4.34	
For >2,000 To 5,000, Deduct	-6.70	
For >5,000, Deduct	-9.91	
For 7.5mm Liner Thickness, Add	15.33	
For 9mm Liner Thickness, Add	30.99	
For 10.5mm Liner Thickness, Add	46.44	
For 12mm Liner Thickness, Add	61.80	
For 13.5mm Liner Thickness, Add	77.37	
For 15mm Liner Thickness, Add	92.70	
For 16.5mm Liner Thickness, Add	110.01	
For 18mm Liner Thickness, Add	125.72	
For 19.5mm Liner Thickness, Add	141.93	
For 21mm Liner Thickness, Add	157.49	
For 22.5mm Liner Thickness, Add	173.20	
For 24mm Liner Thickness, Add	188.97	
For 27mm Liner Thickness, Add	220.54	
33 01 30 72-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	192.84	
For Up To 75, Add	75.94	
For >75 To 150, Add	37.97	
For >500 To 1,000, Deduct	-4.43	
For >1,000 To 2,000, Deduct	-8.72	
For >2,000 To 5,000, Deduct	-13.30	
For >5,000, Deduct	-20.72	
For 15mm Liner Thickness, Add	18.23	
For 16.5mm Liner Thickness, Add	38.48	
For 18mm Liner Thickness, Add	58.02	
For 19.5mm Liner Thickness, Add	76.53	
For 21mm Liner Thickness, Add	95.21	
For 22.5mm Liner Thickness, Add	113.81	
For 24mm Liner Thickness, Add	132.81	
For 27mm Liner Thickness, Add	173.23	
33 01 30 72-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	221.06	
For Up To 75, Add	87.81	
For >75 To 150, Add	43.91	
For >500 To 1,000, Deduct	-5.09	
For >1,000 To 2,000, Deduct	-10.02	
For >2,000 To 5,000, Deduct	-15.28	
For >5,000, Deduct	-23.78	
For 15mm Liner Thickness, Add	20.83	
For 16.5mm Liner Thickness, Add	43.97	
For 18mm Liner Thickness, Add	66.31	
For 19.5mm Liner Thickness, Add	87.46	
For 21mm Liner Thickness, Add	108.80	
For 22.5mm Liner Thickness, Add	130.06	
For 24mm Liner Thickness, Add	151.78	
For 27mm Liner Thickness, Add	197.96	
33 01 30 72-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	274.71	
For Up To 75, Add	107.27	
For >75 To 150, Add	53.63	
For >500 To 1,000, Deduct	-6.30	
For >1,000 To 2,000, Deduct	-12.40	
For >2,000 To 5,000, Deduct	-18.90	
For >5,000, Deduct	-29.48	
For 16.5mm Liner Thickness, Add	23.47	
For 18mm Liner Thickness, Add	47.13	
For 19.5mm Liner Thickness, Add	70.62	
For 21mm Liner Thickness, Add	94.28	
For 22.5mm Liner Thickness, Add	117.89	
For 24mm Liner Thickness, Add	141.59	
For 27mm Liner Thickness, Add	189.02	
33 01 30 72-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	367.56	
For Up To 75, Add	144.87	
For >75 To 150, Add	72.43	
For >500 To 1,000, Deduct	-8.45	
For >1,000 To 2,000, Deduct	-16.62	
For >2,000 To 5,000, Deduct	-25.35	
For >5,000, Deduct	-39.50	
For 19.5mm Liner Thickness, Add	26.08	
For 21mm Liner Thickness, Add	52.37	
For 22.5mm Liner Thickness, Add	78.57	
For 24mm Liner Thickness, Add	104.87	
For 27mm Liner Thickness, Add	157.55	
33 01 30 72-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	430.28	
For Up To 75, Add	198.19	
For >75 To 150, Add	99.10	
For >500 To 1,000, Deduct	-10.33	
For >1,000 To 2,000, Deduct	-20.23	
For >2,000 To 5,000, Deduct	-30.99	
For >5,000, Deduct	-47.34	
For 19.5mm Liner Thickness, Add	28.69	
For 21mm Liner Thickness, Add	57.62	
For 22.5mm Liner Thickness, Add	86.45	
For 24mm Liner Thickness, Add	115.38	
For 27mm Liner Thickness, Add	173.35	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	526.29	
For Up To 75, Add	301.48	
For >75 To 150, Add	150.74	
For >500 To 1,000, Deduct	-13.54	
For >1,000 To 2,000, Deduct	-26.33	
For >2,000 To 5,000, Deduct	-40.63	
For >5,000, Deduct	-60.18	
For 19.5mm Liner Thickness, Add	31.30	
For 21mm Liner Thickness, Add	62.87	
For 22.5mm Liner Thickness, Add	94.33	
For 24mm Liner Thickness, Add	125.89	
For 27mm Liner Thickness, Add	189.14	
33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 72-0001)		
33 01 30 72-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	21.55	
For DR 26 Pipe Liner, Add	3.23	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000, Deduct	-2.59	
33 01 30 72-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	26.85	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.39	
For >2,000, Deduct	-2.79	
33 01 30 72-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	27.94	
For DR 26 Pipe Liner, Add	4.47	
For DR 35 Pipe Liner, Deduct	-2.24	
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000, Deduct	-3.02	
33 01 30 72-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.81	
For DR 26 Pipe Liner, Add	6.71	
For DR 35 Pipe Liner, Deduct	-3.35	
For DR 41 Pipe Liner, Deduct	-6.71	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,000, Deduct	-1.65	
For >2,000, Deduct	-3.29	
33 01 30 72-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	51.34	
For DR 26 Pipe Liner, Add	9.82	
For DR 35 Pipe Liner, Deduct	-4.91	
For DR 41 Pipe Liner, Deduct	-9.82	
For >500 To 1,000, Deduct	-0.91	
For >1,000 To 2,000, Deduct	-1.81	
For >2,000, Deduct	-3.62	
33 01 30 72-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	69.00	
For DR 35 Pipe Liner, Deduct	-6.91	
For DR 41 Pipe Liner, Deduct	-13.82	
For >500 To 1,000, Deduct	-1.03	
For >1,000 To 2,000, Deduct	-2.06	
For >2,000, Deduct	-4.12	
33 01 30 72-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	95.63	
For DR 41 Pipe Liner, Deduct	-8.02	
For DR 50 Pipe Liner, Deduct	-16.03	
For >500 To 1,000, Deduct	-1.16	
For >1,000 To 2,000, Deduct	-2.32	
For >2,000, Deduct	-4.64	
33 01 30 72-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	107.81	
For DR 50 Pipe Liner, Deduct	-13.66	
For DR 55 Pipe Liner, Deduct	-22.76	
For >500 To 1,000, Deduct	-1.26	
For >1,000 To 2,000, Deduct	-2.52	
For >2,000, Deduct	-5.03	
33 01 30 72-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	130.48	
For DR 60 Pipe Liner, Deduct	-16.83	
For >500 To 1,000, Deduct	-1.37	
For >1,000 To 2,000, Deduct	-2.75	
For >2,000, Deduct	-5.49	
33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 72-0001)		
33 01 30 72-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	22.76	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000, Deduct	-2.59	
For DR 26 Pipe Liner, Add	3.54	
33 01 30 72-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	26.85	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.39	
For >2,000, Deduct	-2.79	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	29.57	
<i>For >500 To 1,000, Deduct</i>	-0.75	
<i>For >1,000 To 2,000, Deduct</i>	-1.51	
<i>For >2,000, Deduct</i>	-3.02	
<i>For DR 26 Pipe Liner, Add</i>	4.88	
<i>For DR 35 Pipe Liner, Deduct</i>	-2.44	
33 01 30 72-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	40.24	
<i>For >500 To 1,000, Deduct</i>	-0.82	
<i>For >1,000 To 2,000, Deduct</i>	-1.65	
<i>For >2,000, Deduct</i>	-3.29	
<i>For DR 26 Pipe Liner, Add</i>	7.32	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.66	
<i>For DR 41 Pipe Liner, Deduct</i>	-7.32	
33 01 30 72-0039 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	55.00	
<i>For >500 To 1,000, Deduct</i>	-0.91	
<i>For >1,000 To 2,000, Deduct</i>	-1.81	
<i>For >2,000, Deduct</i>	-3.62	
<i>For DR 26 Pipe Liner, Add</i>	10.73	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.37	
<i>For DR 41 Pipe Liner, Deduct</i>	-10.73	
33 01 30 72-0040 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	74.20	
<i>For >500 To 1,000, Deduct</i>	-1.03	
<i>For >1,000 To 2,000, Deduct</i>	-2.06	
<i>For >2,000, Deduct</i>	-4.12	
<i>For DR 35 Pipe Liner, Deduct</i>	-7.56	
<i>For DR 41 Pipe Liner, Deduct</i>	-15.12	
33 01 30 72-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	103.27	
<i>For >500 To 1,000, Deduct</i>	-1.16	
<i>For >1,000 To 2,000, Deduct</i>	-2.32	
<i>For >2,000, Deduct</i>	-4.64	
<i>For DR 41 Pipe Liner, Deduct</i>	-8.78	
<i>For DR 50 Pipe Liner, Deduct</i>	-17.56	
33 01 30 72-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	116.27	
<i>For >500 To 1,000, Deduct</i>	-1.26	
<i>For >1,000 To 2,000, Deduct</i>	-2.52	
<i>For >2,000, Deduct</i>	-5.03	
<i>For DR 50 Pipe Liner, Deduct</i>	-14.93	
<i>For DR 55 Pipe Liner, Deduct</i>	-24.88	
33 01 30 72-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	141.21	
<i>For >500 To 1,000, Deduct</i>	-1.37	
<i>For >1,000 To 2,000, Deduct</i>	-2.75	
<i>For >2,000, Deduct</i>	-5.49	
<i>For DR 60 Pipe Liner, Deduct</i>	-18.44	
33 01 30 72-0044 Lining Pipe With Rib Loc <small>(33 01 30 72-0001)</small>		
33 01 30 72-0045 LF Lining 6" Pipe With Rib Loc	27.53	
<i>For >500 To 1,000, Deduct</i>	-0.74	
<i>For >1,000 To 2,000, Deduct</i>	-1.43	
<i>For >2,000 To 5,000, Deduct</i>	-2.21	
<i>For >5,000, Deduct</i>	-3.22	
33 01 30 72-0046 LF Lining 8" Pipe With Rib Loc	30.54	
<i>For >500 To 1,000, Deduct</i>	-0.81	
<i>For >1,000 To 2,000, Deduct</i>	-1.57	
<i>For >2,000 To 5,000, Deduct</i>	-2.44	
<i>For >5,000, Deduct</i>	-3.56	
33 01 30 72-0047 LF Lining 10" Pipe With Rib Loc	41.58	
<i>For >500 To 1,000, Deduct</i>	-1.05	
<i>For >1,000 To 2,000, Deduct</i>	-2.05	
<i>For >2,000 To 5,000, Deduct</i>	-3.15	
<i>For >5,000, Deduct</i>	-4.71	
33 01 30 72-0048 LF Lining 12" Pipe With Rib Loc	52.47	
<i>For >500 To 1,000, Deduct</i>	-1.29	
<i>For >1,000 To 2,000, Deduct</i>	-2.52	
<i>For >2,000 To 5,000, Deduct</i>	-3.87	
<i>For >5,000, Deduct</i>	-5.85	
33 01 30 72-0049 LF Lining 15" Pipe With Rib Loc	69.26	
<i>For >500 To 1,000, Deduct</i>	-1.66	
<i>For >1,000 To 2,000, Deduct</i>	-3.25	
<i>For >2,000 To 5,000, Deduct</i>	-4.98	
<i>For >5,000, Deduct</i>	-7.61	
33 01 30 72-0050 LF Lining 18" Pipe With Rib Loc	88.80	
<i>For >500 To 1,000, Deduct</i>	-2.09	
<i>For >1,000 To 2,000, Deduct</i>	-4.09	
<i>For >2,000 To 5,000, Deduct</i>	-6.26	
<i>For >5,000, Deduct</i>	-9.65	
33 01 30 72-0051 LF Lining 21" Pipe With Rib Loc	110.86	
<i>For >500 To 1,000, Deduct</i>	-2.55	
<i>For >1,000 To 2,000, Deduct</i>	-5.02	
<i>For >2,000 To 5,000, Deduct</i>	-7.66	
<i>For >5,000, Deduct</i>	-11.92	
33 01 30 72-0052 LF Lining 24" Pipe With Rib Loc	136.58	
<i>For >500 To 1,000, Deduct</i>	-3.10	
<i>For >1,000 To 2,000, Deduct</i>	-6.10	
<i>For >2,000 To 5,000, Deduct</i>	-9.29	
<i>For >5,000, Deduct</i>	-14.57	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0053 LF Lining 27" Pipe With Rib Loc.....	163.18	
For >500 To 1,000, Deduct	-3.67	
For >1,000 To 2,000, Deduct	-7.23	
For >2,000 To 5,000, Deduct	-11.00	
For >5,000, Deduct	-17.32	
33 01 30 72-0054 LF Lining 30" Pipe With Rib Loc.....	193.22	
For >500 To 1,000, Deduct	-4.31	
For >1,000 To 2,000, Deduct	-8.51	
For >2,000 To 5,000, Deduct	-12.93	
For >5,000, Deduct	-20.44	
33 01 30 72-0055 LF Lining 36" Pipe With Rib Loc.....	245.57	
For >500 To 1,000, Deduct	-5.41	
For >1,000 To 2,000, Deduct	-10.70	
For >2,000 To 5,000, Deduct	-16.24	
For >5,000, Deduct	-25.82	
33 01 30 72-0056 LF Lining 42" Pipe With Rib Loc.....	305.19	
For >500 To 1,000, Deduct	-6.68	
For >1,000 To 2,000, Deduct	-13.21	
For >2,000 To 5,000, Deduct	-20.04	
For >5,000, Deduct	-31.96	
33 01 30 72-0057 LF Lining 48" Pipe With Rib Loc.....	373.16	
For >500 To 1,000, Deduct	-8.13	
For >1,000 To 2,000, Deduct	-16.10	
For >2,000 To 5,000, Deduct	-24.40	
For >5,000, Deduct	-38.99	
33 01 30 72-0058 LF Lining 54" Pipe With Rib Loc.....	441.42	
For >500 To 1,000, Deduct	-9.63	
For >1,000 To 2,000, Deduct	-19.07	
For >2,000 To 5,000, Deduct	-28.90	
For >5,000, Deduct	-46.15	
33 01 30 72-0059 LF Lining 60" Pipe With Rib Loc.....	522.93	
For >500 To 1,000, Deduct	-11.56	
For >1,000 To 2,000, Deduct	-22.84	
For >2,000 To 5,000, Deduct	-34.67	
For >5,000, Deduct	-55.04	
33 01 30 72-0060 LF Lining 66" Pipe With Rib Loc.....	626.85	
For >500 To 1,000, Deduct	-14.26	
For >1,000 To 2,000, Deduct	-28.09	
For >2,000 To 5,000, Deduct	-42.79	
For >5,000, Deduct	-67.00	
33 01 30 72-0061 LF Lining 72" Pipe With Rib Loc.....	770.15	
For >500 To 1,000, Deduct	-18.42	
For >1,000 To 2,000, Deduct	-36.09	
For >2,000 To 5,000, Deduct	-55.27	
For >5,000, Deduct	-84.56	
33 01 30 72-0062 Laterals; Cutting, Grouting And Reinstatement (33 01 30 72-0001)		
33 01 30 72-0063 Trim Protruding Service Taps (33 01 30 72-0062)		
33 01 30 72-0064 EA Trim Protruding Service Tap, 4", Robotic.....	536.66	
33 01 30 72-0065 EA Trim Protruding Service Tap, 6", Robotic.....	590.33	
33 01 30 72-0066 EA Trim Protruding Service Tap, 8", Robotic.....	643.99	
33 01 30 72-0067 Lateral Reinstatement/Reconnection (33 01 30 72-0062)		
33 01 30 72-0068 EA Cut Liner For Laterals, 4" (Robotic)	397.12	
33 01 30 72-0069 EA Cut Liner For Laterals, 6" (Robotic)	429.33	
33 01 30 72-0070 EA Cut Liner For Laterals, 8" (Robotic)	482.99	
33 01 30 72-0071 Grout Lateral Service (33 01 30 72-0062)		
33 01 30 72-0072 Grout Lateral Service - Bladder (33 01 30 72-0071)		
33 01 30 72-0073 EA Grout 4" Lateral Service - Bladder	447.04	
33 01 30 72-0074 EA Grout 6" Lateral Service - Bladder	509.68	
33 01 30 72-0075 EA Grout 8" Lateral Service - Bladder	572.30	
33 01 30 72-0076 Grout Lateral Service - Robotic Trowel Application (33 01 30 72-0071)		
33 01 30 72-0077 EA Grout 4" To 8" Lateral Service - Robotic Trowel Application.....	455.87	
33 01 30 72-0078 Lateral T-Liner (33 01 30 72-0062)		
Note: As manufactured by LMK.		
33 01 30 72-0079 EA 4" Lateral T-Liner	526.80	
33 01 30 72-0080 EA 6" Lateral T-Liner	584.36	
33 01 30 72-0081 EA 8" Lateral T-Liner	674.09	
33 01 30 72-0082 Lining Lateral Pipe (33 01 30 72-0062)		
33 01 30 72-0083 Lining Lateral Pipe (33 01 30 72-0082)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0084 LF 6mm Lining 4" To 6" Lateral Pipe	33.23	
<i>For 7.5mm, Add</i>	3.99	
<i>For 9 mm, Add</i>	8.07	
33 01 30 72-0085 Relining Underground Water Pipelines <small>(33 01 30 72)</small>		
<small>Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.</small>		
33 01 30 72-0086 Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0085)</small>		
33 01 30 72-0087 EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	4,025.12	
33 01 30 72-0088 EA Move And Reset Up At Different Access/Location.....	1,610.05	
33 01 30 72-0089 Lining Pipe With Cement <small>(33 01 30 72-0085)</small>		
33 01 30 72-0090 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	54.47	
<i>For 3/16" Thickness, Add</i>	0.52	
<i>For 1/4" Thickness, Add</i>	1.04	
33 01 30 72-0091 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	48.44	
<i>For 3/16" Thickness, Add</i>	0.52	
<i>For 1/4" Thickness, Add</i>	1.04	
33 01 30 72-0092 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	40.36	
<i>For 3/16" Thickness, Add</i>	0.52	
<i>For 1/4" Thickness, Add</i>	1.04	
33 01 30 72-0093 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	30.20	
<i>For 3/16" Thickness, Add</i>	0.52	
<i>For 1/4" Thickness, Add</i>	1.04	
33 01 30 72-0094 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	56.37	
<i>For 3/16" Thickness, Add</i>	0.78	
<i>For 1/4" Thickness, Add</i>	1.56	
33 01 30 72-0095 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	50.11	
<i>For 3/16" Thickness, Add</i>	0.78	
<i>For 1/4" Thickness, Add</i>	1.56	
33 01 30 72-0096 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	41.75	
<i>For 3/16" Thickness, Add</i>	0.78	
<i>For 1/4" Thickness, Add</i>	1.56	
33 01 30 72-0097 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	31.46	
<i>For 3/16" Thickness, Add</i>	0.78	
<i>For 1/4" Thickness, Add</i>	1.56	
33 01 30 72-0098 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	58.19	
<i>For 3/16" Thickness, Add</i>	1.04	
<i>For 1/4" Thickness, Add</i>	2.08	
33 01 30 72-0099 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	51.79	
<i>For 3/16" Thickness, Add</i>	1.04	
<i>For 1/4" Thickness, Add</i>	2.08	
33 01 30 72-0100 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.15	
<i>For 3/16" Thickness, Add</i>	1.04	
<i>For 1/4" Thickness, Add</i>	2.08	
33 01 30 72-0101 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	32.72	
<i>For 3/16" Thickness, Add</i>	1.04	
<i>For 1/4" Thickness, Add</i>	2.08	
33 01 30 72-0102 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	59.49	
<i>For 3/16" Thickness, Add</i>	1.30	
<i>For 1/4" Thickness, Add</i>	2.60	
33 01 30 72-0103 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	52.98	
<i>For 3/16" Thickness, Add</i>	1.30	
<i>For 1/4" Thickness, Add</i>	2.60	
33 01 30 72-0104 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	44.22	
<i>For 3/16" Thickness, Add</i>	1.30	
<i>For 1/4" Thickness, Add</i>	2.60	
33 01 30 72-0105 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	33.98	
<i>For 3/16" Thickness, Add</i>	1.30	
<i>For 1/4" Thickness, Add</i>	2.60	
33 01 30 72-0106 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	64.12	
<i>For 3/16" Thickness, Add</i>	1.56	
<i>For 1/4" Thickness, Add</i>	3.12	
33 01 30 72-0107 LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	57.21	
<i>For 3/16" Thickness, Add</i>	1.56	
<i>For 1/4" Thickness, Add</i>	3.12	
33 01 30 72-0108 LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	47.88	
<i>For 3/16" Thickness, Add</i>	1.56	
<i>For 1/4" Thickness, Add</i>	3.12	
33 01 30 72-0109 LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	36.80	
<i>For 3/16" Thickness, Add</i>	1.56	
<i>For 1/4" Thickness, Add</i>	3.12	
33 01 30 72-0110 LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	68.04	
<i>For 1/4" Thickness, Add</i>	1.73	
<i>For 5/16" Thickness, Add</i>	3.47	
33 01 30 72-0111 LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	60.87	
<i>For 1/4" Thickness, Add</i>	1.73	
<i>For 5/16" Thickness, Add</i>	3.47	
33 01 30 72-0112 LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	51.15	
<i>For 1/4" Thickness, Add</i>	1.73	
<i>For 5/16" Thickness, Add</i>	3.47	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113 LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	40.54	
For 1/4" Thickness, Add	1.73	
For 5/16" Thickness, Add	3.47	
33 01 30 72-0114 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	70.93	
For 1/4" Thickness, Add	2.08	
For 5/16" Thickness, Add	4.16	
33 01 30 72-0115 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	63.54	
For 1/4" Thickness, Add	2.08	
For 5/16" Thickness, Add	4.16	
33 01 30 72-0116 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	53.49	
For 1/4" Thickness, Add	2.08	
For 5/16" Thickness, Add	4.16	
33 01 30 72-0117 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	43.43	
For 1/4" Thickness, Add	2.08	
For 5/16" Thickness, Add	4.16	
33 01 30 72-0118 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	74.64	
For 1/4" Thickness, Add	2.43	
For 5/16" Thickness, Add	4.85	
33 01 30 72-0119 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	67.00	
For 1/4" Thickness, Add	2.43	
For 5/16" Thickness, Add	4.85	
33 01 30 72-0120 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	56.47	
For 1/4" Thickness, Add	2.43	
For 5/16" Thickness, Add	4.85	
33 01 30 72-0121 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	47.05	
For 1/4" Thickness, Add	2.43	
For 5/16" Thickness, Add	4.85	
33 01 30 72-0122 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	78.45	
For 1/4" Thickness, Add	2.77	
For 5/16" Thickness, Add	5.55	
33 01 30 72-0123 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	70.49	
For 1/4" Thickness, Add	2.77	
For 5/16" Thickness, Add	5.55	
33 01 30 72-0124 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	59.63	
For 1/4" Thickness, Add	2.77	
For 5/16" Thickness, Add	5.55	
33 01 30 72-0125 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	50.86	
For 1/4" Thickness, Add	2.77	
For 5/16" Thickness, Add	5.55	
33 01 30 72-0126 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	83.21	
For 1/4" Thickness, Add	3.47	
For 5/16" Thickness, Add	6.93	
33 01 30 72-0127 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	74.79	
For 1/4" Thickness, Add	3.47	
For 5/16" Thickness, Add	6.93	
33 01 30 72-0128 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	63.28	
For 1/4" Thickness, Add	3.47	
For 5/16" Thickness, Add	6.93	
33 01 30 72-0129 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	54.41	
For 1/4" Thickness, Add	3.47	
For 5/16" Thickness, Add	6.93	
33 01 30 72-0130 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	87.87	
For 1/4" Thickness, Add	4.16	
For 5/16" Thickness, Add	8.32	
33 01 30 72-0131 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	79.08	
For 1/4" Thickness, Add	4.16	
For 5/16" Thickness, Add	8.32	
33 01 30 72-0132 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	66.93	
For 1/4" Thickness, Add	4.16	
For 5/16" Thickness, Add	8.32	
33 01 30 72-0133 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement.....	57.98	
For 1/4" Thickness, Add	4.16	
For 5/16" Thickness, Add	8.32	
33 01 30 72-0134 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement.....	104.25	
For 3/8" Thickness, Add	10.92	
For 7/16" Thickness, Add	16.38	
33 01 30 72-0135 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	94.66	
For 3/8" Thickness, Add	10.92	
For 7/16" Thickness, Add	16.38	
33 01 30 72-0136 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	81.46	
For 3/8" Thickness, Add	10.92	
For 7/16" Thickness, Add	16.38	
33 01 30 72-0137 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	72.22	
For 3/8" Thickness, Add	10.92	
For 7/16" Thickness, Add	16.38	
33 01 30 72-0138 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement.....	114.29	
For 3/8" Thickness, Add	12.48	
For 7/16" Thickness, Add	18.72	
33 01 30 72-0139 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	104.04	
For 3/8" Thickness, Add	12.48	
For 7/16" Thickness, Add	18.72	
33 01 30 72-0140 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	89.84	
For 3/8" Thickness, Add	12.48	
For 7/16" Thickness, Add	18.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0141 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement	80.43	
For 3/8" Thickness, Add	12.48	
For 7/16" Thickness, Add	18.72	
33 01 30 72-0142 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	119.07	
For 3/8" Thickness, Add	14.04	
For 7/16" Thickness, Add	21.05	
33 01 30 72-0143 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	108.59	
For 3/8" Thickness, Add	14.04	
For 7/16" Thickness, Add	21.05	
33 01 30 72-0144 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	94.06	
For 3/8" Thickness, Add	14.04	
For 7/16" Thickness, Add	21.05	
33 01 30 72-0145 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	85.01	
For 3/8" Thickness, Add	14.04	
For 7/16" Thickness, Add	21.05	
33 01 30 72-0146 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	123.86	
For 3/8" Thickness, Add	15.60	
For 7/16" Thickness, Add	23.40	
33 01 30 72-0147 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	113.19	
For 3/8" Thickness, Add	15.60	
For 7/16" Thickness, Add	23.40	
33 01 30 72-0148 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	98.38	
For 3/8" Thickness, Add	15.60	
For 7/16" Thickness, Add	23.40	
33 01 30 72-0149 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	89.61	
For 3/8" Thickness, Add	15.60	
For 7/16" Thickness, Add	23.40	
33 01 30 72-0150 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	128.91	
For 3/8" Thickness, Add	17.16	
For 7/16" Thickness, Add	25.74	
33 01 30 72-0151 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	118.02	
For 3/8" Thickness, Add	17.16	
For 7/16" Thickness, Add	25.74	
33 01 30 72-0152 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	102.98	
For 3/8" Thickness, Add	17.16	
For 7/16" Thickness, Add	25.74	
33 01 30 72-0153 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	94.86	
For 3/8" Thickness, Add	17.16	
For 7/16" Thickness, Add	25.74	
33 01 30 72-0154 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	134.34	
For 3/8" Thickness, Add	18.72	
For 7/16" Thickness, Add	28.08	
33 01 30 72-0155 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	123.26	
For 3/8" Thickness, Add	18.72	
For 7/16" Thickness, Add	28.08	
33 01 30 72-0156 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	107.85	
For 3/8" Thickness, Add	18.72	
For 7/16" Thickness, Add	28.08	
33 01 30 72-0157 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	100.19	
For 3/8" Thickness, Add	18.72	
For 7/16" Thickness, Add	28.08	

33 01 30 73 Rehabilitation Of Manholes And Sewer Structures (33 01 30)

33 01 30 73-0001	Restoration And Rehabilitation Of Manholes (33 01 30 73)	
	Note: Work is in confined spaces.	
33 01 30 73-0002	Inspection And Ventilation System Set-up (33 01 30 73-0001)	
33 01 30 73-0003	EA Inspect Manhole	133.14
33 01 30 73-0004	EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	8,194.30
	Note: For internal inspection and repair of water mains.	
33 01 30 73-0005	EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	11,537.00
	Note: For internal inspection and repair of water mains	
33 01 30 73-0006	Manhole Seals (33 01 30 73-0001)	
33 01 30 73-0007	Internal Manhole Chimney Seals (33 01 30 73-0006)	
	Note: Cretex.	
33 01 30 73-0008	EA 20" Internal Manhole Chimney Seal	387.51
33 01 30 73-0009	EA 22" Internal Manhole Chimney Seal	408.48
33 01 30 73-0010	EA 24" Internal Manhole Chimney Seal	418.94
33 01 30 73-0011	EA 26" Internal Manhole Chimney Seal	481.79
33 01 30 73-0012	EA 28" Internal Manhole Chimney Seal	544.63
33 01 30 73-0013	EA 30" Internal Manhole Chimney Seal	607.47
33 01 30 73-0014	EA 36" Internal Manhole Chimney Seal	733.15
33 01 30 73-0015	External Manhole Encapsulation (33 01 30 73-0006)	
	Note: Wrapidseal.	
33 01 30 73-0016	EA 24" External Manhole Encapsulation	565.57
33 01 30 73-0017	EA 30" External Manhole Encapsulation	597.00
33 01 30 73-0018	EA 36" External Manhole Encapsulation	638.89
33 01 30 73-0019	EA 42" External Manhole Encapsulation	691.26

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0020 EA 48" External Manhole Encapsulation	764.57	
33 01 30 73-0021 EA 54" External Manhole Encapsulation	848.36	
33 01 30 73-0022 EA 60" External Manhole Encapsulation	953.10	
33 01 30 73-0023 Manhole Restoration <small>(33 01 30 73-0001)</small>		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 73-0024 Cementitious Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
33 01 30 73-0025 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	116.19	
For Each Additional 1/2" Thick Material, Add	29.49	
For 2 To 5 Manholes, Deduct	-8.16	
For 6 To 10 Manholes, Deduct	-13.41	
For >10 Manholes, Deduct	-26.81	
33 01 30 73-0026 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	134.74	
For Each Additional 1/2" Thick Material, Add	34.33	
For 2 To 5 Manholes, Deduct	-9.45	
For 6 To 10 Manholes, Deduct	-15.54	
For >10 Manholes, Deduct	-31.08	
33 01 30 73-0027 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	153.28	
For Each Additional 1/2" Thick Material, Add	39.16	
For 2 To 5 Manholes, Deduct	-10.75	
For 6 To 10 Manholes, Deduct	-17.67	
For >10 Manholes, Deduct	-35.34	
33 01 30 73-0028 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	180.67	
For Each Additional 1/2" Thick Material, Add	48.00	
For 2 To 5 Manholes, Deduct	-12.61	
For 6 To 10 Manholes, Deduct	-20.71	
For >10 Manholes, Deduct	-41.43	
33 01 30 73-0029 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	197.82	
For Each Additional 1/2" Thick Material, Add	55.53	
For 2 To 5 Manholes, Deduct	-13.72	
For 6 To 10 Manholes, Deduct	-22.49	
For >10 Manholes, Deduct	-44.99	
33 01 30 73-0030 Polyurethane Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
33 01 30 73-0031 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	274.21	
For 80 Mil Material, Add	33.98	
For 100 Mil Material, Add	67.96	
For 125 Mil Material, Add	106.26	
For 150 Mil Material, Add	144.57	
For 200 Mil Material, Add	210.06	
For 2 To 5 Manholes, Deduct	-19.27	
For 6 To 10 Manholes, Deduct	-31.68	
For >10 Manholes, Deduct	-63.36	
33 01 30 73-0032 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	332.32	
For 80 Mil Material, Add	40.59	
For 100 Mil Material, Add	81.17	
For 125 Mil Material, Add	126.81	
For 150 Mil Material, Add	172.45	
For 200 Mil Material, Add	250.15	
For 2 To 5 Manholes, Deduct	-23.41	
For 6 To 10 Manholes, Deduct	-38.51	
For >10 Manholes, Deduct	-77.02	
33 01 30 73-0033 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	365.61	
For 80 Mil Material, Add	45.30	
For 100 Mil Material, Add	90.61	
For 125 Mil Material, Add	141.68	
For 150 Mil Material, Add	192.76	
For 200 Mil Material, Add	280.09	
For 2 To 5 Manholes, Deduct	-25.69	
For 6 To 10 Manholes, Deduct	-42.24	
For >10 Manholes, Deduct	-84.48	
33 01 30 73-0034 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	457.07	
For 80 Mil Material, Add	56.65	
For 100 Mil Material, Add	113.30	
For 125 Mil Material, Add	177.16	
For 150 Mil Material, Add	241.03	
For 200 Mil Material, Add	350.24	
For 2 To 5 Manholes, Deduct	-32.12	
For 6 To 10 Manholes, Deduct	-52.80	
For >10 Manholes, Deduct	-105.61	
33 01 30 73-0035 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	548.48	
For 80 Mil Material, Add	67.98	
For 100 Mil Material, Add	135.95	
For 125 Mil Material, Add	212.59	
For 150 Mil Material, Add	289.22	
For 200 Mil Material, Add	420.26	
For 2 To 5 Manholes, Deduct	-38.54	
For 6 To 10 Manholes, Deduct	-63.37	
For >10 Manholes, Deduct	-126.73	
33 01 30 73-0036 Epoxy Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0037 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	252.89	
<i>For 80 Mil Material, Add</i>	26.87	
<i>For 100 Mil Material, Add</i>	53.74	
<i>For 125 Mil Material, Add</i>	83.17	
<i>For 150 Mil Material, Add</i>	112.59	
<i>For 200 Mil Material, Add</i>	160.32	
<i>For 2 To 5 Manholes, Deduct</i>	-18.20	
<i>For 6 To 10 Manholes, Deduct</i>	-30.08	
<i>For >10 Manholes, Deduct</i>	-60.16	
33 01 30 73-0038 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	307.42	
<i>For 80 Mil Material, Add</i>	32.29	
<i>For 100 Mil Material, Add</i>	64.57	
<i>For 125 Mil Material, Add</i>	99.84	
<i>For 150 Mil Material, Add</i>	135.10	
<i>For 200 Mil Material, Add</i>	192.05	
<i>For 2 To 5 Manholes, Deduct</i>	-22.16	
<i>For 6 To 10 Manholes, Deduct</i>	-36.64	
<i>For >10 Manholes, Deduct</i>	-73.28	
33 01 30 73-0039 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	337.18	
<i>For 80 Mil Material, Add</i>	35.83	
<i>For 100 Mil Material, Add</i>	71.66	
<i>For 125 Mil Material, Add</i>	110.89	
<i>For 150 Mil Material, Add</i>	150.11	
<i>For 200 Mil Material, Add</i>	213.75	
<i>For 2 To 5 Manholes, Deduct</i>	-24.27	
<i>For 6 To 10 Manholes, Deduct</i>	-40.11	
<i>For >10 Manholes, Deduct</i>	-80.22	
33 01 30 73-0040 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	421.51	
<i>For 80 Mil Material, Add</i>	44.80	
<i>For 100 Mil Material, Add</i>	89.59	
<i>For 125 Mil Material, Add</i>	138.64	
<i>For 150 Mil Material, Add</i>	187.69	
<i>For 200 Mil Material, Add</i>	267.26	
<i>For 2 To 5 Manholes, Deduct</i>	-30.34	
<i>For 6 To 10 Manholes, Deduct</i>	-50.14	
<i>For >10 Manholes, Deduct</i>	-100.27	
33 01 30 73-0041 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	505.81	
<i>For 80 Mil Material, Add</i>	53.75	
<i>For 100 Mil Material, Add</i>	107.51	
<i>For 125 Mil Material, Add</i>	166.36	
<i>For 150 Mil Material, Add</i>	225.22	
<i>For 200 Mil Material, Add</i>	320.70	
<i>For 2 To 5 Manholes, Deduct</i>	-36.41	
<i>For 6 To 10 Manholes, Deduct</i>	-60.16	
<i>For >10 Manholes, Deduct</i>	-120.33	
33 01 30 73-0042 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
Note: Wound strip liners.		
33 01 30 73-0043 VLF 3' Diameter CIP Multiplex Liner For Existing Manhole	327.66	
<i>For 2 To 5 Manholes, Deduct</i>	-19.78	
<i>For 6 To 10 Manholes, Deduct</i>	-31.37	
<i>For >10 Manholes, Deduct</i>	-62.73	
33 01 30 73-0044 VLF 3-1/2' Diameter CIP Multiplex Liner For Existing Manhole	401.15	
<i>For 2 To 5 Manholes, Deduct</i>	-24.21	
<i>For 6 To 10 Manholes, Deduct</i>	-38.39	
<i>For >10 Manholes, Deduct</i>	-76.78	
33 01 30 73-0045 VLF 4' Diameter CIP Multiplex Liner For Existing Manhole	468.05	
<i>For 2 To 5 Manholes, Deduct</i>	-27.93	
<i>For 6 To 10 Manholes, Deduct</i>	-44.16	
<i>For >10 Manholes, Deduct</i>	-88.32	
33 01 30 73-0046 VLF 5' Diameter CIP Multiplex Liner For Existing Manhole	586.73	
<i>For 2 To 5 Manholes, Deduct</i>	-35.00	
<i>For 6 To 10 Manholes, Deduct</i>	-55.33	
<i>For >10 Manholes, Deduct</i>	-110.65	
33 01 30 73-0047 VLF 6' Diameter CIP Multiplex Liner For Existing Manhole	705.41	
<i>For 2 To 5 Manholes, Deduct</i>	-42.06	
<i>For 6 To 10 Manholes, Deduct</i>	-66.49	
<i>For >10 Manholes, Deduct</i>	-132.98	
33 01 30 73-0048 Manhole Crack Repair <small>(33 01 30 73-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 73-0049 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	41.08	
33 01 30 73-0050 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	55.22	
33 01 30 73-0051 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	39.53	
33 01 30 73-0052 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	53.40	
33 01 30 73-0053 Manhole Patching <small>(33 01 30 73-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 73-0054 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching	10.53	
33 01 30 73-0055 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching	26.67	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0056 Manhole Joint Restoration <small>(33 01 30 73-0001)</small> Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 73-0057 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,395.00	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	193.55	
33 01 30 73-0058 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,628.36	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	213.31	
33 01 30 73-0059 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,860.00	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	233.07	
33 01 30 73-0060 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,177.66	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	242.95	
33 01 30 73-0061 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,494.47	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	252.83	
33 01 30 73-0062 Invert Restoration <small>(33 01 30 73-0001)</small> Note: Includes removal of existing defective material and installation of new material.		
33 01 30 73-0063 EA Single Channel Concrete Invert Restoration	339.72	
33 01 30 73-0064 EA Triple Channel Concrete Invert Restoration	622.89	
33 01 30 73-0065 EA Single Channel Brick Invert Restoration	499.16	
33 01 30 73-0066 EA Triple Channel Brick Invert Restoration	824.16	
33 01 30 73-0067 Step Installation In Existing Manholes <small>(33 01 30 73-0001)</small> Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 73-0068 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps	90.41	17.93
33 01 30 73-0069 EA Drill And Grout Galvanized Steel Manhole Step	77.67	17.93
33 01 30 73-0070 EA Bolt On Galvanized Steel Manhole Step	89.86	17.93
33 01 30 73-0071 EA Drill And Grout Aluminum Manhole Step	75.19	17.93
33 01 30 73-0072 EA Drill And Insert Polypropylene Manhole Step	48.43	14.35
33 01 30 73-0073 Manhole Penetration Sealing <small>(33 01 30 73-0001)</small> Note: At new pipe connection to manhole.		
33 01 30 73-0074 EA 6" To 12" Opening, Manhole Penetration Sealing	318.71	
33 01 30 73-0075 EA >12" To 22" Opening, Manhole Penetration Sealing	489.30	
33 01 30 73-0076 EA >22" To 36" Opening, Manhole Penetration Sealing	667.39	
33 05 Common Work Results For Utilities <small>(33)</small>		
33 05 13 Manholes And Structures <small>(33 05)</small>		
33 05 13 13 Manhole Grade Adjustment <small>(33 05 13)</small>		
33 05 13 13-0001 Up To 12" Rise, Manhole Risers <small>(33 05 13 13)</small> Note: Includes valve boxes.		
33 05 13 13-0002 Up To 26" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	327.64	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	370.74	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	409.58	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	453.72	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers	488.97	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0008 >26" To 32-1/2" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	391.48	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	427.63	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	473.58	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	517.73	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers	560.05	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0014 Up To 36" Diameter, >6" To 12" Rise Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0015 EA >6" To 6-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers	544.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 13 13-0016 EA 7" Rise, Up To 36" Diameter, Solid Manhole Risers	593.78	
33 05 13 13-0017 EA 7-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers	643.40	
33 05 13 13-0018 EA 8" Rise, Up To 36" Diameter, Solid Manhole Risers	681.98	
33 05 13 13-0019 EA 9" Rise, Up To 36" Diameter, Solid Manhole Risers	742.56	
33 05 13 13-0020 EA 10" Rise, Up To 36" Diameter, Solid Manhole Risers	797.01	
33 05 13 13-0021 EA 11" Rise, Up To 36" Diameter, Solid Manhole Risers	849.96	
33 05 13 13-0022 EA 12" Rise, Up To 36" Diameter, Solid Manhole Risers	903.88	
33 05 13 13-0023 >12" Rise, Solid Manhole Risers <small>(33 05 13 13)</small> Note: Includes valve boxes.		
33 05 13 13-0024 Precast Concrete Manhole Riser <small>(33 05 13 13-0023)</small>		
33 05 13 13-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser	88.22	
33 05 13 13-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser	105.29	
33 05 13 13-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser	120.20	
33 05 13 13-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser	241.17	
33 05 13 13-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser	353.96	
33 05 16 Utility Structures <small>(33 05)</small>		
33 05 16 13 Precast Concrete Directional Structures <small>(33 05 16)</small>		
33 05 16 13-0001 Underground Utility Vaults And Structures <small>(33 05 16 13)</small> See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.		
33 05 16 13-0002 Precast Concrete Underground Utility Vault <small>(33 05 16 13-0001)</small> Note: Sizes given are for inside dimensions.		
33 05 16 13-0003 6' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault	2,819.03	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault	3,674.60	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault	6,062.16	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault	6,999.83	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault	4,695.92	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault	5,716.43	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault	6,737.76	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault	9,734.72	
Note: 8" thick walls and top.		
33 05 16 13-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault	9,734.72	
Note: 8" thick walls and top.		
33 05 16 13-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault	12,257.59	
Note: 8" thick walls and top.		
33 05 16 13-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault	6,903.52	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault	8,089.80	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault	11,563.66	
Note: 8" thick walls and top.		
33 05 16 13-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault	13,014.80	
Note: 8" thick walls and top.		
33 05 16 13-0018 7' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault	3,103.39	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault	4,029.66	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault	4,955.91	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault	6,594.36	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault	7,603.49	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault	5,121.67	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault	6,213.71	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault	7,305.71	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault	10,586.23	
Note: 8" thick walls and top.		
33 05 16 13-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault	13,298.40	
Note: 8" thick walls and top.		
33 05 16 13-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault	7,471.45	
Note: 6" thick walls and 8" thick top.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,728.43	
33 05 16 13-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,510.28	
33 05 16 13-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,054.81	
33 05 16 13-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,699.02	
33 05 16 13-0034 8' High Precast Concrete Underground Utility Vault (33 05 16 13-0002)		
33 05 16 13-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,386.96	
33 05 16 13-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,384.73	
33 05 16 13-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,126.55	
33 05 16 13-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,206.38	
33 05 16 13-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,547.43	
33 05 16 13-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,710.15	
33 05 16 13-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,872.87	
33 05 16 13-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,437.71	
33 05 16 13-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,339.26	
33 05 16 13-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,038.59	
33 05 16 13-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,367.05	
33 05 16 13-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,456.02	
33 05 16 13-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,095.66	
33 05 16 13-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,645.35	
33 05 16 13-0049 10' High Precast Concrete Underground Utility Vault (33 05 16 13-0002)		
33 05 16 13-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,973.20	
33 05 16 13-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,206.58	
33 05 16 13-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,591.06	
33 05 16 13-0053 12' High Precast Concrete Underground Utility Vault (33 05 16 13-0002)		
33 05 16 13-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,398.95	
33 05 16 13-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,703.84	
33 05 16 13-0056 Meter Pit (33 05 16 13-0001)		
33 05 16 13-0057 Precast Concrete Meter Pit (33 05 16 13-0056)		
33 05 16 13-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,967.25	
33 05 16 13-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,633.38	
33 05 16 13-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,256.99	
33 05 16 13-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,006.87	
33 05 16 13-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	5,440.10	
33 05 16 13-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,951.28	
33 05 16 13-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,006.87	
33 05 16 13-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	5,115.12	
33 05 16 13-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	6,383.18	
33 05 16 13-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	8,872.03	
33 05 16 13-0068 Handhole Or Pull Box Enclosures (33 05 16 13-0001)		
33 05 16 13-0069 Polymer Concrete Handhole Enclosures (33 05 16 13-0068)		
33 05 16 13-0070 Polymer Concrete Handhole Enclosures (33 05 16 13-0069)		
33 05 16 13-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0070)		
33 05 16 13-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	193.09	18.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	179.14	42.18
33 05 16 13-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	272.96	63.26
33 05 16 13-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	312.34	63.26
33 05 16 13-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	299.33	63.26
33 05 16 13-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	356.12	63.26
33 05 16 13-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	347.55	63.26
33 05 16 13-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	462.55	63.26
33 05 16 13-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	654.32	84.35
33 05 16 13-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	901.80	84.35
33 05 16 13-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	613.01	115.98
33 05 16 13-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	690.51	115.98
33 05 16 13-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,093.69	115.98
33 05 16 13-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	655.90	126.52
33 05 16 13-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	909.77	126.52
33 05 16 13-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,117.37	126.52
33 05 16 13-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,608.39	126.52
33 05 16 13-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	935.05	183.71
33 05 16 13-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,317.14	183.71
33 05 16 13-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0071)</small>		
33 05 16 13-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	244.53	18.98
33 05 16 13-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	334.23	63.26
33 05 16 13-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	397.62	63.26
33 05 16 13-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	369.24	63.26
33 05 16 13-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	417.78	63.26
33 05 16 13-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	430.51	63.26
33 05 16 13-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	546.22	63.26
33 05 16 13-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	743.29	115.98
33 05 16 13-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	820.79	115.98
33 05 16 13-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,223.98	115.98
33 05 16 13-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,087.30	183.71
33 05 16 13-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,472.29	183.71
33 05 16 13-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0070)</small>		
33 05 16 13-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	310.73	18.98
33 05 16 13-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	264.17	18.98
33 05 16 13-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.60	63.26
33 05 16 13-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	266.08	63.26
33 05 16 13-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	80.25	18.98
33 05 16 13-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	119.19	18.98
33 05 16 13-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	186.77	18.98
33 05 16 13-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	194.95	18.98
33 05 16 13-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	176.29	42.18

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	188.83	42.18
33 05 16 13-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	117.52	18.98
33 05 16 13-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	132.84	18.98
33 05 16 13-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	187.53	42.18
33 05 16 13-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	208.62	42.18
33 05 16 13-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	194.97	42.18
33 05 16 13-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	239.88	63.26
33 05 16 13-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	260.57	63.26
33 05 16 13-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	275.95	63.26
33 05 16 13-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	299.12	63.26
33 05 16 13-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	345.32	63.26
33 05 16 13-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	373.35	63.26
33 05 16 13-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	404.02	63.26
33 05 16 13-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	423.31	63.26
33 05 16 13-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	508.94	84.35
33 05 16 13-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	529.05	115.98
33 05 16 13-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	663.37	115.98
33 05 16 13-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	787.39	115.98
33 05 16 13-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	865.72	115.98
33 05 16 13-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	943.63	115.98
33 05 16 13-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,084.11	183.71
33 05 16 13-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	809.54	183.71
33 05 16 13-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	909.02	183.71
33 05 16 13-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,099.24	183.71
33 05 16 13-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,097.29	183.71
33 05 16 13-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,168.29	183.71
33 05 16 13-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,304.85	183.71
33 05 16 13-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,211.49	196.83
33 05 16 13-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,307.91	196.83
33 05 16 13-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,431.00	196.83
33 05 16 13-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,480.25	196.83
33 05 16 13-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,497.37	196.83
33 05 16 13-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,684.93	196.83
33 05 16 13-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,320.68	196.83
33 05 16 13-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,715.88	196.83
33 05 16 13-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,926.66	209.95
33 05 16 13-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,356.65	209.95
33 05 16 13-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,997.46	209.95
33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.93	63.26
33 05 16 13-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	350.69	63.26
33 05 16 13-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	129.10	18.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	182.32	18.98
33 05 16 13-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.14	18.98
33 05 16 13-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.33	18.98
33 05 16 13-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	229.84	42.18
33 05 16 13-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	238.58	42.18
33 05 16 13-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	250.25	42.18
33 05 16 13-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	170.78	18.98
33 05 16 13-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	200.07	18.98
33 05 16 13-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	249.96	42.18
33 05 16 13-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	271.05	42.18
33 05 16 13-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	258.07	42.18
33 05 16 13-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.54	63.26
33 05 16 13-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	330.48	63.26
33 05 16 13-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.07	63.26
33 05 16 13-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	382.10	63.26
33 05 16 13-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	428.16	63.26
33 05 16 13-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.31	63.26
33 05 16 13-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	486.85	63.26
33 05 16 13-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	506.27	63.26
33 05 16 13-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	623.55	84.35
33 05 16 13-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	659.34	115.98
33 05 16 13-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	793.50	115.98
33 05 16 13-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	917.39	115.98
33 05 16 13-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	995.60	115.98
33 05 16 13-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,073.76	115.98
33 05 16 13-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	960.35	183.71
33 05 16 13-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,059.97	183.71
33 05 16 13-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,250.05	183.71
33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	287.16	63.26
33 05 16 13-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	329.04	63.26
33 05 16 13-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	97.96	18.98
33 05 16 13-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	154.98	18.98
33 05 16 13-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	218.39	18.98
33 05 16 13-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	226.72	18.98
33 05 16 13-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	214.87	42.18
33 05 16 13-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	239.14	42.18
33 05 16 13-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	136.82	18.98
33 05 16 13-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.79	42.18
33 05 16 13-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	257.04	42.18
33 05 16 13-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	234.65	42.18
33 05 16 13-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.33	63.26
33 05 16 13-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	347.67	63.26
33 05 16 13-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	361.42	63.26

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	394.16	63.26
33 05 16 13-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	424.28	63.26
33 05 16 13-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	452.71	63.26
33 05 16 13-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	503.62	63.26
33 05 16 13-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	510.72	63.26
33 05 16 13-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	632.43	84.35
33 05 16 13-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	670.86	115.98
33 05 16 13-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	819.02	115.98
33 05 16 13-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	965.55	115.98
33 05 16 13-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,062.88	115.98
33 05 16 13-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,160.21	115.98
33 05 16 13-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,265.45	183.71
33 05 16 13-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	990.88	183.71
33 05 16 13-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,098.12	183.71
33 05 16 13-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,288.21	183.71
33 05 16 13-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,372.06	183.71
33 05 16 13-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,398.32	183.71
33 05 16 13-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,653.03	183.71
33 05 16 13-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,544.81	196.83
33 05 16 13-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,594.63	196.83
33 05 16 13-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,735.95	196.83
33 05 16 13-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,842.91	196.83
33 05 16 13-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,699.94	196.83
33 05 16 13-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,082.46	196.83
33 05 16 13-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,819.03	196.83
33 05 16 13-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,990.67	196.83
33 05 16 13-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,398.75	209.95
33 05 16 13-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,828.91	209.95
33 05 16 13-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,783.51	209.95
33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.47	63.26
33 05 16 13-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	413.81	63.26
33 05 16 13-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	146.42	18.98
33 05 16 13-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.98	18.98
33 05 16 13-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	272.64	18.98
33 05 16 13-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	281.09	18.98
33 05 16 13-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	277.30	42.18
33 05 16 13-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	301.43	42.18
33 05 16 13-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	206.06	18.98
33 05 16 13-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.95	42.18
33 05 16 13-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	319.19	42.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.93	42.18
33 05 16 13-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.27	63.26
33 05 16 13-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.61	63.26
33 05 16 13-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.39	63.26
33 05 16 13-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	477.13	63.26
33 05 16 13-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.24	63.26
33 05 16 13-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	535.69	63.26
33 05 16 13-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	586.61	63.26
33 05 16 13-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	593.68	63.26
33 05 16 13-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	746.88	84.35
33 05 16 13-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	801.14	115.98
33 05 16 13-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	949.17	115.98
33 05 16 13-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,095.54	115.98
33 05 16 13-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,192.94	115.98
33 05 16 13-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,290.34	115.98
33 05 16 13-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,141.83	183.71
33 05 16 13-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,249.22	183.71
33 05 16 13-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,439.17	183.71
33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	304.54	63.26
33 05 16 13-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	205.42	42.18
33 05 16 13-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	228.74	42.18
33 05 16 13-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	274.28	63.26
33 05 16 13-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	213.06	42.18
33 05 16 13-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	235.39	42.18
33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 16 13-0069)</small>		
33 05 16 13-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	230.87	63.26
33 05 16 13-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	255.17	63.26
33 05 16 13-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	298.62	84.35
33 05 16 13-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	322.48	84.35
33 05 16 13-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	389.92	115.98
33 05 16 13-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	668.01	183.71
33 05 16 13-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	641.93	183.71
33 05 16 13-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	647.62	183.71
33 05 16 13-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	851.11	196.83
33 05 16 13-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,305.70	209.95
33 05 16 13-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,684.60	209.95
33 05 16 13-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	358.37	63.26
33 05 16 13-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	373.22	63.26
33 05 16 13-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	407.39	84.35
33 05 16 13-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	431.50	84.35
33 05 16 13-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	509.21	115.98
33 05 16 13-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	810.51	183.71
33 05 16 13-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	285.80	63.26

33 Utilities

33 05 Common Work Results For Utilities

33 05 16 Utility Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	315.08	63.26
33 05 16 13-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	431.93	115.98
33 05 16 13-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	823.18	196.83
33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0069)					
33 05 16 13-0291 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)					
33 05 16 13-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	75.35	8.44
33 05 16 13-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	76.29	8.44
33 05 16 13-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	70.94	8.44
33 05 16 13-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	76.47	8.44
33 05 16 13-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	77.19	8.44
33 05 16 13-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	88.08	8.44
33 05 16 13-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	101.56	8.44
33 05 16 13-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	652.81	23.62
33 05 16 13-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	572.44	23.62
33 05 16 13-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	852.37	23.62
33 05 16 13-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	861.91	23.62
33 05 16 13-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	975.17	23.62
33 05 16 13-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,061.69	23.62
33 05 16 13-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,700.45	23.62
33 05 16 13-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	65.00	8.44
33 05 16 13-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	91.75	8.44
33 05 16 13-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	92.99	8.44
33 05 16 13-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	116.17	8.44
33 05 16 13-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	88.43	8.44
33 05 16 13-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	136.84	8.44
33 05 16 13-0312	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	108.13	8.44
33 05 16 13-0313	EA		27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	218.54	8.44
33 05 16 13-0314	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	193.48	12.65
33 05 16 13-0315	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	241.27	12.65
33 05 16 13-0316	EA		39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	310.38	14.76
33 05 16 13-0317	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	433.95	18.38
33 05 16 13-0318	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	451.63	34.99
33 05 16 13-0319	EA		11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	117.56	8.44
33 05 16 13-0320	EA		13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	166.26	8.44
33 05 16 13-0321	EA		17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	188.74	8.44
33 05 16 13-0322	EA		27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	311.72	8.44
33 05 16 13-0323	EA		24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	259.18	12.65
33 05 16 13-0324	EA		39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	435.51	14.76
33 05 16 13-0325	EA		36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	569.49	18.38
33 05 16 13-0326	EA		30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	768.03	23.62
33 05 16 13-0327	EA		30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	683.82	23.62
33 05 16 13-0328	EA		36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	951.59	23.62
33 05 16 13-0329	EA		48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,236.36	23.62
33 05 16 13-0330	EA		36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,184.41	23.62
33 05 16 13-0331	EA		48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,793.19	23.62
33 05 16 13-0332	EA		48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,764.85	23.62
33 05 16 13-0333	EA		11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	153.64	8.44
33 05 16 13-0334	EA		11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	167.71	8.44
33 05 16 13-0335	EA		13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	219.82	8.44
33 05 16 13-0336	EA		17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	250.06	8.44
33 05 16 13-0337	EA		27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	429.89	8.44
33 05 16 13-0338	EA		24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	314.86	12.65
33 05 16 13-0339	EA		24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	428.72	12.65
33 05 16 13-0340	EA		39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	662.87	14.76
33 05 16 13-0341	EA		36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	758.18	18.38
33 05 16 13-0342	EA		30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	789.47	34.99
33 05 16 13-0343	EA		30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	913.00	23.62
33 05 16 13-0344	EA		36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,271.00	23.62
33 05 16 13-0345	EA		48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,774.56	23.62
33 05 16 13-0346	EA		36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,584.52	23.62
33 05 16 13-0347	EA		48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,619.90	23.62
33 05 16 13-0348	EA		48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,038.90	23.62
33 05 16 13-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 16 13-0290)					
33 05 16 13-0350	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	86.06	8.44
33 05 16 13-0351	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	90.77	8.44
33 05 16 13-0352	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	92.31	8.44
33 05 16 13-0353	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	92.89	8.44
33 05 16 13-0354	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	106.70	8.44
33 05 16 13-0355	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	69.34	8.44
33 05 16 13-0356	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	96.20	8.44
33 05 16 13-0357	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	97.06	8.44
33 05 16 13-0358	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	120.76	8.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0359	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	93.42	8.44
33 05 16 13-0360	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	113.40	8.44
33 05 16 13-0361	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	141.70	8.44
33 05 16 13-0362	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	196.74	12.65
33 05 16 13-0363	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	246.28	12.65
33 05 16 13-0364	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	456.77	34.99
33 05 16 13-0365	EA		6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	58.30	8.44
33 05 16 13-0366	EA		8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	89.30	8.44
33 05 16 13-0367	EA		8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	98.97	8.44
33 05 16 13-0368	EA		12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	94.67	8.44
33 05 16 13-0369	EA		10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	78.58	8.44
33 05 16 13-0370	EA		11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	122.00	8.44
33 05 16 13-0371	EA		11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	132.03	8.44
33 05 16 13-0372	EA		13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	170.98	8.44
33 05 16 13-0373	EA		17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	193.87	8.44
33 05 16 13-0374	EA		24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	263.77	12.65
33 05 16 13-0375	EA		24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	328.12	12.65
33 05 16 13-0376	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	598.98	34.99
33 05 16 13-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 16 13-0290)					
33 05 16 13-0378	EA		6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	47.63	8.44
33 05 16 13-0379	EA		7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	55.97	8.44
33 05 16 13-0380	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	67.20	8.44
33 05 16 13-0381	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	72.19	8.44
33 05 16 13-0382	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	72.06	8.44
33 05 16 13-0383	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	84.85	8.44
33 05 16 13-0384	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	97.42	8.44
33 05 16 13-0385	EA		24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	233.08	12.65
33 05 16 13-0386	EA		30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	432.92	34.99
33 05 16 13-0387	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	645.78	23.62
33 05 16 13-0388	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	564.51	23.62
33 05 16 13-0389	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	839.32	23.62
33 05 16 13-0390	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	810.26	23.62
33 05 16 13-0391	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	967.60	23.62
33 05 16 13-0392	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,033.70	23.62
33 05 16 13-0393	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,646.66	23.62
33 05 16 13-0394	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	62.62	8.44
33 05 16 13-0395	EA		10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	61.24	8.44
33 05 16 13-0396	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	88.75	8.44
33 05 16 13-0397	EA		11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	97.17	8.44
33 05 16 13-0398	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	109.52	8.44
33 05 16 13-0399	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	84.12	8.44
33 05 16 13-0400	EA		18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.42	8.44
33 05 16 13-0401	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	131.01	8.44
33 05 16 13-0402	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	189.71	12.65
33 05 16 13-0403	EA		20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	235.68	12.65
33 05 16 13-0404	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	232.95	12.65
33 05 16 13-0405	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	416.88	18.38
33 05 16 13-0406	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	432.92	20.99
33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)					
33 05 16 13-0408	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	671.97	23.62
33 05 16 13-0409	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	968.57	23.62
33 05 16 13-0410	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	564.28	34.99
33 05 16 13-0411	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	745.35	34.99
33 05 16 13-0412	EA		30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	796.51	23.62
33 05 16 13-0413	EA		36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,081.97	23.62
33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)					
33 05 16 13-0415	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	263.85	12.65
33 05 16 13-0416	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	487.37	18.38
33 05 16 13-0417	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	510.33	34.99
33 05 16 13-0418	EA		6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	45.31	8.44
33 05 16 13-0419	EA		8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	72.64	8.44
33 05 16 13-0420	EA		12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	79.55	8.44
33 05 16 13-0421	EA		8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	84.12	8.44
33 05 16 13-0422	EA		10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	74.27	8.44
33 05 16 13-0423	EA		11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	127.96	8.44
33 05 16 13-0424	EA		24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	351.64	12.65
33 05 16 13-0425	EA		36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	645.68	18.38
33 05 16 13-0426	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	677.38	34.99
33 05 16 13-0427 Precast Concrete Handholes With Steel Cover (33 05 16 13-0068)					
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).					

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	629.94	180.91
For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 16 13-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,054.15	271.37
For 15,000 to 22,500 Pound Traffic Rated Top, Add	88.60	
33 05 16 13-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,282.60	361.82
For 15,000 to 22,500 Pound Traffic Rated Top, Add	150.60	
33 05 16 13-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,330.31	361.82
For 15,000 to 22,500 Pound Traffic Rated Top, Add	187.66	
33 05 16 13-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,567.83	452.27
For 15,000 to 22,500 Pound Traffic Rated Top, Add	223.70	
33 05 16 13-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,647.23	452.27
For 15,000 to 22,500 Pound Traffic Rated Top, Add	252.07	
33 05 16 13-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,906.07	542.73
For 15,000 to 22,500 Pound Traffic Rated Top, Add	292.47	
33 05 16 13-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,190.00	633.18
For 15,000 to 22,500 Pound Traffic Rated Top, Add	426.29	
33 05 16 13-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,141.32	542.73
For 15,000 to 22,500 Pound Traffic Rated Top, Add	481.79	
33 05 16 13-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,161.55	542.73
For 15,000 to 22,500 Pound Traffic Rated Top, Add	311.59	
33 05 16 13-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	500.43	180.91
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 16 13-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	588.28	203.52
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 16 13-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	718.71	226.13
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 23 Trenchless Utility Installation (33 05)**33 05 23 13 Utility Horizontal Directional Drilling (33 05 23)****33 05 23 13-0001 Horizontal Augering (33 05 23 13)**

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 23 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	20.81	
33 05 23 13-0003 LF 3" Diameter Horizontal Hand Augering	25.11	
33 05 23 13-0004 LF 4" Diameter Horizontal Hand Augering	34.43	
33 05 23 13-0005 LF 6" Diameter Horizontal Hand Augering	44.48	
33 05 23 13-0006 LF 8" Diameter Horizontal Augering	72.87	
33 05 23 13-0007 LF 10" Diameter Horizontal Augering	106.31	
33 05 23 13-0008 LF 12" Diameter Horizontal Augering	127.74	
33 05 23 13-0009 LF 16" Diameter Horizontal Augering	152.60	
33 05 23 13-0010 LF 20" Diameter Horizontal Augering	264.05	
33 05 23 13-0011 LF 24" Diameter Horizontal Augering	326.97	
33 05 23 13-0012 LF 30" Diameter Horizontal Augering	403.29	
33 05 23 13-0013 LF 36" Diameter Horizontal Augering	460.77	
33 05 23 13-0014 LF 42" Diameter Horizontal Augering	581.95	
33 05 23 13-0015 LF 48" Diameter Horizontal Augering	627.06	
33 05 23 13-0016 LF 54" Diameter Horizontal Augering	681.95	
33 05 23 13-0017 LF 60" Diameter Horizontal Augering	714.95	
33 05 23 13-0018 EA 8" To 36" Horizontal Augering Minimum Set-up Charge	1,507.64	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0019 EA >36" Horizontal Augering Minimum Set-up Charge	2,640.35	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 23 13-0020 Horizontal Directional Boring (33 05 23 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 23 13-0021 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.12	
33 05 23 13-0022 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground	15.18	
33 05 23 13-0023 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	21.08	
33 05 23 13-0024 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground	26.14	
33 05 23 13-0025 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground	31.20	
33 05 23 13-0026 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground	36.26	
33 05 23 13-0027 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground	42.16	
33 05 23 13-0028 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground	51.44	
33 05 23 13-0029 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground	55.72	
33 05 23 13-0030 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground	60.01	
33 05 23 13-0031 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground	68.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0032 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground	84.81	
33 05 23 13-0033 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground	94.23	
33 05 23 13-0034 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground	103.65	
33 05 23 13-0035 EA Boring Minimum Charge	2,261.46	
Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0036 Casing Pipe <small>(33 05 23 13)</small>		
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 23 13-0037 Steel Pipe <small>(33 05 23 13-0036)</small>		
33 05 23 13-0038 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine	7.61	
Note: Includes pipe welding.		
33 05 23 13-0039 LF 2" Steel Pipe Pull In Place By Boring Machine	8.09	
Note: Includes pipe welding.		
33 05 23 13-0040 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine	8.68	
Note: Includes pipe welding.		
33 05 23 13-0041 LF 3" Steel Pipe Pull In Place By Boring Machine	9.29	
Note: Includes pipe welding.		
33 05 23 13-0042 LF 4" Steel Pipe Pull In Place By Boring Machine	11.48	
Note: Includes pipe welding.		
33 05 23 13-0043 LF 5" Steel Pipe Pull In Place By Boring Machine	12.83	
Note: Includes pipe welding.		
33 05 23 13-0044 LF 6" Steel Pipe Pull In Place By Boring Machine	14.19	
Note: Includes pipe welding.		
33 05 23 13-0045 Polyethylene Pipe <small>(33 05 23 13-0036)</small>		
33 05 23 13-0046 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine	3.42	
Note: Includes pipe welding.		
33 05 23 13-0047 LF 1" Polyethylene Pipe Pull In Place By Boring Machine	3.78	
Note: Includes pipe welding.		
33 05 23 13-0048 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine	4.09	
Note: Includes pipe welding.		
33 05 23 13-0049 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine	4.38	
Note: Includes pipe welding.		
33 05 23 13-0050 LF 2" Polyethylene Pipe Pull In Place By Boring Machine	4.68	
Note: Includes pipe welding.		
33 05 23 13-0051 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine	4.99	
Note: Includes pipe welding.		
33 05 23 13-0052 LF 3" Polyethylene Pipe Pull In Place By Boring Machine	5.29	
Note: Includes pipe welding.		
33 05 23 13-0053 LF 4" Polyethylene Pipe Pull In Place By Boring Machine	6.31	
Note: Includes pipe welding.		
33 05 23 13-0054 LF 5" Polyethylene Pipe Pull In Place By Boring Machine	6.93	
Note: Includes pipe welding.		
33 05 23 13-0055 LF 6" Polyethylene Pipe Pull In Place By Boring Machine	7.55	
Note: Includes pipe welding.		
33 05 23 13-0056 LF 8" Polyethylene Pipe Pull In Place By Boring Machine	9.64	
Note: Includes pipe welding.		
33 05 23 13-0057 LF 10" Polyethylene Pipe Pull In Place By Boring Machine	12.84	
Note: Includes pipe welding.		
33 05 23 16 Utility Pipe Jacking <small>(33 05 23)</small>		
33 05 23 16-0001 Horizontal Jacking <small>(33 05 23 16)</small>		
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 23 16-0002 LF Up To 2" Diameter Horizontal Jacking	38.38	
33 05 23 16-0003 LF 3" Diameter Horizontal Jacking	46.16	
33 05 23 16-0004 LF 4" Diameter Horizontal Jacking	62.81	
33 05 23 16-0005 LF 6" Diameter Horizontal Jacking	81.16	
33 05 23 16-0006 LF 8" Diameter Horizontal Jacking	110.58	
33 05 23 16-0007 LF 10" Diameter Horizontal Jacking	161.75	
33 05 23 16-0008 LF 12" Diameter Horizontal Jacking	194.56	
33 05 23 16-0009 LF 16" Diameter Horizontal Jacking	232.35	
33 05 23 16-0010 LF 20" Diameter Horizontal Jacking	381.77	
33 05 23 16-0011 LF 24" Diameter Horizontal Jacking	528.78	
33 05 23 16-0012 LF 30" Diameter Horizontal Jacking	630.14	
33 05 23 16-0013 LF 36" Diameter Horizontal Jacking	715.37	
33 05 23 16-0014 LF 42" Diameter Horizontal Jacking	770.17	
33 05 23 16-0015 LF 48" Diameter Horizontal Jacking	832.91	
33 05 23 16-0016 LF 54" Diameter Horizontal Jacking	897.05	
33 05 23 16-0017 EA Up To 36" Horizontal Jacking Minimum Set-up Charge	1,760.23	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 16-0018 EA >36" Horizontal Jacking Minimum Set-up Charge	3,300.44	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 26 Utility Identification**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 05 26 Utility Identification** (33 05)**33 05 26 26 Utility Identification Warning Tape** (33 05 26)**33 05 26 26-001 Non-Detectable Utility Warning Tape** (33 05 26 26)

Note: Labor installation is included with pipe and excavation..

33 05 26 26-0002	LF	3" Non-Detectable Utility Warning Tape.....	0.02	
33 05 26 26-0003	LF	6" Non-Detectable Utility Warning Tape.....	0.03	

33 05 26 26-004 Detectable Utility Warning Tape (33 05 26 26)

Note: Labor installation is included with pipe and excavation..

33 05 26 26-0005	LF	2" Detectable Utility Warning Tape	0.02	
33 05 26 26-0006	LF	3" Detectable Utility Warning Tape	0.03	
33 05 26 26-0007	LF	6" Detectable Utility Warning Tape	0.06	

33 10 Water Utilities (33)**33 11 Water Utility Distribution Piping** (33 10)

Note: Piping includes hydrostatic testing, disinfecting and warning tape.

33 11 13 Public Water Utility Distribution Piping (33 11)**33 11 13 13 Ductile Iron Public Water Utility Distribution Piping** (33 11 13)**33 11 13 13-001 Ductile Iron Piping** (33 11 13 13)**33 11 13 13-002 Mechanical Joint Ductile Iron Piping** (33 11 13 13-001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4.

33 11 13 13-003 Mechanical Joint Ductile Iron Pipe (33 11 13 13-002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 11 13 13-0004	LF	4" Mechanical Joint Ductile Iron Pipe.....	35.73	11.01
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	13.34	
		<i>For Cement Mortar Lining (CML), Add</i>	1.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.43	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-1.79	
		<i>For Class 51, Add</i>	1.78	
		<i>For Class 52, Add</i>	3.84	
		<i>For Class 53, Add</i>	5.83	
		<i>For Class 54, Add</i>	7.82	
		<i>For Class 55, Add</i>	9.76	
		<i>For Class 56, Add</i>	12.19	
33 11 13 13-0005	LF	6" Mechanical Joint Ductile Iron Pipe.....	37.31	11.54
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	13.90	
		<i>For Cement Mortar Lining (CML), Add</i>	1.99	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.49	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-1.87	
		<i>For Class 51, Add</i>	1.86	
		<i>For Class 52, Add</i>	4.00	
		<i>For Class 53, Add</i>	6.07	
		<i>For Class 54, Add</i>	8.16	
		<i>For Class 55, Add</i>	10.17	
		<i>For Class 56, Add</i>	12.71	
33 11 13 13-0006	LF	8" Mechanical Joint Ductile Iron Pipe.....	43.59	12.00
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	17.78	
		<i>For Cement Mortar Lining (CML), Add</i>	2.54	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.91	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-2.18	
		<i>For Class 51, Add</i>	2.32	
		<i>For Class 52, Add</i>	5.02	
		<i>For Class 53, Add</i>	7.61	
		<i>For Class 54, Add</i>	10.22	
		<i>For Class 55, Add</i>	12.75	
		<i>For Class 56, Add</i>	15.94	
33 11 13 13-0007	LF	10" Mechanical Joint Ductile Iron Pipe.....	59.37	17.38
		<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	19.82	
		<i>For Cement Mortar Lining (CML), Add</i>	3.30	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2.48	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
		<i>For >1,000, Deduct</i>	-2.97	
		<i>For Class 51, Add</i>	3.05	
		<i>For Class 52, Add</i>	6.59	
		<i>For Class 53, Add</i>	10.00	
		<i>For Class 54, Add</i>	13.43	
		<i>For Class 55, Add</i>	16.76	
		<i>For Class 56, Add</i>	20.94	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0008 LF 12" Mechanical Joint Ductile Iron Pipe.....	71.46	19.31
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.10	
For Cement Mortar Lining (CML), Add	4.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.17	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.57	
For Class 51, Add	3.85	
For Class 52, Add	8.31	
For Class 53, Add	12.61	
For Class 54, Add	16.94	
For Class 55, Add	21.13	
For Class 56, Add	26.42	
33 11 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	85.24	21.68
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.03	
For Cement Mortar Lining (CML), Add	5.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.92	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.26	
For Class 51, Add	4.73	
For Class 52, Add	10.23	
For Class 53, Add	15.51	
For Class 54, Add	20.84	
For Class 55, Add	25.99	
For Class 56, Add	32.51	
33 11 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	96.28	24.84
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
For Cement Mortar Lining (CML), Add	5.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.81	
For Class 51, Add	5.31	
For Class 52, Add	11.48	
For Class 53, Add	17.42	
For Class 54, Add	23.40	
For Class 55, Add	29.18	
For Class 56, Add	36.50	
33 11 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	119.12	28.96
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.85	
For Cement Mortar Lining (CML), Add	7.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.96	
For Class 51, Add	6.75	
For Class 52, Add	14.62	
For Class 53, Add	22.17	
For Class 54, Add	29.78	
For Class 55, Add	37.15	
For Class 56, Add	46.48	
33 11 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	135.52	34.76
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.49	
For Cement Mortar Lining (CML), Add	8.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.78	
For Class 51, Add	7.49	
For Class 52, Add	16.20	
For Class 53, Add	24.58	
For Class 54, Add	33.02	
For Class 55, Add	41.19	
For Class 56, Add	51.51	
33 11 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	177.03	43.44
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.48	
For Cement Mortar Lining (CML), Add	11.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.85	
For Class 51, Add	9.99	
For Class 52, Add	21.63	
For Class 53, Add	32.81	
For Class 54, Add	44.07	
For Class 55, Add	54.97	
For Class 56, Add	68.77	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	227.03	46.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.61	
For Cement Mortar Lining (CML), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.35	
For Class 51, Add	13.81	
For Class 52, Add	29.93	
For Class 53, Add	45.42	
For Class 54, Add	61.02	
For Class 55, Add	76.11	
For Class 56, Add	95.28	
33 11 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	270.69	49.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.79	
For Cement Mortar Lining (CML), Add	19.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.53	
For Class 51, Add	17.10	
For Class 52, Add	37.10	
For Class 53, Add	56.30	
For Class 54, Add	75.64	
For Class 55, Add	94.34	
For Class 56, Add	118.15	
33 11 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	331.59	52.57
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.31	
For Cement Mortar Lining (CML), Add	25.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.58	
For Class 51, Add	21.82	
For Class 52, Add	47.36	
For Class 53, Add	71.88	
For Class 54, Add	96.58	
For Class 55, Add	120.46	
For Class 56, Add	150.92	
33 11 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	405.34	55.55
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.81	
For Cement Mortar Lining (CML), Add	32.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.27	
For Class 51, Add	27.59	
For Class 52, Add	59.94	
For Class 53, Add	90.97	
For Class 54, Add	122.24	
For Class 55, Add	152.46	
For Class 56, Add	191.06	
33 11 13 13-0018 Mechanical Joint Ductile Iron 90 Degree Elbow (33 11 13 13-0002)		
33 11 13 13-0019 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	210.97	39.01
For Cement Mortar Lining (CML), Add	15.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.39	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0020 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	335.61	57.65
For Cement Mortar Lining (CML), Add	24.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.62	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	464.84	68.38
For Cement Mortar Lining (CML), Add	36.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	691.35	77.05
For Cement Mortar Lining (CML), Add	57.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0023 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	910.58	90.40
For Cement Mortar Lining (CML), Add	77.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,448.53	101.36
For Cement Mortar Lining (CML), Add	129.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.12	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0025 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,934.29 175.88 131.91	115.84
33 11 13 13-0026 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,363.60 211.79 158.84	162.18
33 11 13 13-0027 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,260.30 295.32 221.49	202.72
33 11 13 13-0028 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,817.28 440.82 330.62	269.95
33 11 13 13-0029 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,512.86 707.41 530.56	289.60
33 11 13 13-0030 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,515.02 1,105.95 829.46	300.66
33 11 13 13-0031 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,491.31 1,896.48 1,422.36	347.53
33 11 13 13-0032 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,847.87 2,528.77 1,896.58	369.73
33 11 13 13-0033 Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0034 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	184.29 12.52 9.39	39.01
33 11 13 13-0035 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	288.41 20.11 15.08	57.65
33 11 13 13-0036 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	397.12 29.35 22.01	68.38
33 11 13 13-0037 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	545.64 42.89 32.17	77.05
33 11 13 13-0038 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	777.19 64.03 48.02	90.40
33 11 13 13-0039 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,161.22 100.77 75.57	101.36
33 11 13 13-0040 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,431.49 125.60 94.20	115.84
33 11 13 13-0041 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,047.56 180.19 135.14	162.18

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0042 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,232.13	202.72
For Cement Mortar Lining (CML), Add	192.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0043 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,333.51	269.95
For Cement Mortar Lining (CML), Add	292.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	219.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0044 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,380.02	289.60
For Cement Mortar Lining (CML), Add	594.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	445.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0045 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow	9,142.63	300.66
For Cement Mortar Lining (CML), Add	868.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	651.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0046 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,874.33	347.53
For Cement Mortar Lining (CML), Add	1,334.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,001.08	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0047 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow	18,051.41	369.73
For Cement Mortar Lining (CML), Add	1,749.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,311.84	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0048 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 11 13 13-0002)		
33 11 13 13-0049 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	178.13	39.01
For Cement Mortar Lining (CML), Add	11.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0050 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	271.99	57.65
For Cement Mortar Lining (CML), Add	18.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.85	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0051 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	390.96	68.38
For Cement Mortar Lining (CML), Add	28.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.55	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0052 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	543.59	77.05
For Cement Mortar Lining (CML), Add	42.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.02	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0053 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	697.15	90.40
For Cement Mortar Lining (CML), Add	56.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.02	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0054 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,173.53	101.36
For Cement Mortar Lining (CML), Add	102.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0055 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,380.18	115.84
For Cement Mortar Lining (CML), Add	120.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.35	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0056 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,725.35	162.18
For Cement Mortar Lining (CML), Add	147.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0057 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,318.33	202.72
For Cement Mortar Lining (CML), Add	201.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.84	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0058 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,107.77	269.95
For Cement Mortar Lining (CML), Add	269.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	202.40	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0059	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,417.52 497.87 373.40	289.60
33 11 13 13-0060	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,753.27 729.78 547.33	300.66
33 11 13 13-0061	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,545.04 1,101.85 826.39	347.53
33 11 13 13-0062	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,907.38 1,434.72 1,076.04	369.73
33 11 13 13-0063		Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0064	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	171.97 11.29 8.47	39.01
33 11 13 13-0065	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	278.15 19.09 14.31	57.65
33 11 13 13-0066	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	364.28 26.06 19.55	68.38
33 11 13 13-0067	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	539.48 42.28 31.71	77.05
33 11 13 13-0068	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	662.26 52.54 39.40	90.40
33 11 13 13-0069	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,317.19 116.36 87.27	101.36
33 11 13 13-0070	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,449.96 127.44 95.58	115.84
33 11 13 13-0071	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,115.28 186.96 140.22	162.18
33 11 13 13-0072	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,201.35 189.42 142.07	202.72
33 11 13 13-0073	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,935.38 252.63 189.47	269.95
33 11 13 13-0074	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,507.82 506.90 380.18	289.60
33 11 13 13-0075	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,383.86 692.84 519.63	300.66

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0076 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,042.24 1,051.57 788.68	347.53
33 11 13 13-0077 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,808.87 1,424.87 1,068.65	369.73
33 11 13 13-0078 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0079 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	239.70 18.06 13.55	39.01
33 11 13 13-0080 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	386.92 29.96 22.47	57.65
33 11 13 13-0081 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	532.57 42.89 32.17	68.38
33 11 13 13-0082 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	789.85 67.31 50.48	77.05
33 11 13 13-0083 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,017.30 88.04 66.03	90.40
33 11 13 13-0084 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,791.26 163.77 122.83	101.36
33 11 13 13-0085 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,769.55 259.40 194.55	115.84
33 11 13 13-0086 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,192.71 294.70 221.03	162.18
33 11 13 13-0087 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,352.09 404.50 303.37	202.72
33 11 13 13-0088 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,268.77 485.97 364.48	269.95
33 11 13 13-0089 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,008.39 956.96 717.72	289.60
33 11 13 13-0090 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,090.40 1,763.49 1,322.62	300.66
33 11 13 13-0091 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0092 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	190.44 13.13 9.85	39.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0093 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	310.98 22.37 16.78	57.65
33 11 13 13-0094 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	462.79 35.91 26.94	68.38
33 11 13 13-0095 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	650.30 53.36 40.02	77.05
33 11 13 13-0096 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	896.22 75.93 56.95	90.40
33 11 13 13-0097 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,575.77 142.22 106.67	101.36
33 11 13 13-0098 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,430.93 225.54 169.16	115.84
33 11 13 13-0099 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,849.98 260.43 195.32	162.18
33 11 13 13-0100 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,707.69 340.06 255.04	202.72
33 11 13 13-0101 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,646.95 423.79 317.84	269.95
33 11 13 13-0102 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,762.68 832.39 624.29	289.60
33 11 13 13-0103 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,798.05 1,534.26 1,150.69	300.66
33 11 13 13-0104 Mechanical Joint Ductile Iron Tee (33 11 13 13-0002)		
33 11 13 13-0105 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	286.36 19.91 14.93	57.65
33 11 13 13-0106 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	449.08 33.45 25.09	75.62
33 11 13 13-0107 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	487.34 35.91 26.94	84.66
33 11 13 13-0108 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	520.64 38.79 29.09	87.63
33 11 13 13-0109 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	593.80 44.74 33.55	96.63

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0110 EA 8" x 8" Mechanical Joint Ductile Iron Tee.....	695.25	102.66
For Cement Mortar Lining (CML), Add	53.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0111 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	740.24	95.76
For Cement Mortar Lining (CML), Add	59.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0112 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	734.93	104.45
For Cement Mortar Lining (CML), Add	57.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.25	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0113 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	842.23	110.25
For Cement Mortar Lining (CML), Add	67.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0114 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	947.16	115.84
For Cement Mortar Lining (CML), Add	77.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.87	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0115 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	891.19	107.35
For Cement Mortar Lining (CML), Add	72.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.64	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0116 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	1,017.21	116.03
For Cement Mortar Lining (CML), Add	84.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.11	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0117 EA 12" x 8" Mechanical Joint Ductile Iron Tee.....	1,266.11	121.83
For Cement Mortar Lining (CML), Add	108.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.11	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0118 EA 12" x 10" Mechanical Joint Ductile Iron Tee.....	1,358.73	127.43
For Cement Mortar Lining (CML), Add	116.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.43	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0119 EA 12" x 12" Mechanical Joint Ductile Iron Tee.....	1,279.27	133.22
For Cement Mortar Lining (CML), Add	107.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.81	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0120 EA 14" x 6" Mechanical Joint Ductile Iron Tee.....	1,370.52	135.20
For Cement Mortar Lining (CML), Add	116.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.43	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0121 EA 14" x 8" Mechanical Joint Ductile Iron Tee.....	1,533.22	141.01
For Cement Mortar Lining (CML), Add	131.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0122 EA 14" x 10" Mechanical Joint Ductile Iron Tee.....	1,984.98	146.59
For Cement Mortar Lining (CML), Add	176.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	132.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0123 EA 14" x 12" Mechanical Joint Ductile Iron Tee.....	2,125.11	152.38
For Cement Mortar Lining (CML), Add	189.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0124 EA 14" x 14" Mechanical Joint Ductile Iron Tee.....	2,039.07	162.00
For Cement Mortar Lining (CML), Add	179.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	134.52	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0125 EA 16" x 6" Mechanical Joint Ductile Iron Tee.....	1,749.92	162.17
For Cement Mortar Lining (CML), Add	150.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.82	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0126 EA 16" x 8" Mechanical Joint Ductile Iron Tee.....	1,888.08	167.97
For Cement Mortar Lining (CML), Add	163.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	122.52	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0127 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,216.71 195.37 146.53	173.56
33 11 13 13-0128 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,434.81 216.31 162.23	179.35
33 11 13 13-0129 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,952.14 266.59 199.94	188.95
33 11 13 13-0130 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,771.45 246.47 184.86	202.46
33 11 13 13-0131 EA 18" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,444.70 213.02 159.77	207.55
33 11 13 13-0132 EA 18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,629.97 230.67 173.00	213.34
33 11 13 13-0133 EA 18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,855.99 252.43 189.32	218.94
33 11 13 13-0134 EA 18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,080.24 273.97 205.48	224.74
33 11 13 13-0135 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,166.60 281.16 210.87	234.32
33 11 13 13-0136 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,381.99 300.65 225.49	247.80
33 11 13 13-0137 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,976.62 356.68 267.51	270.47
33 11 13 13-0138 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,847.97 239.70 179.78	297.63
33 11 13 13-0139 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,910.10 245.04 183.78	303.43
33 11 13 13-0140 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,187.43 271.92 203.94	309.02
33 11 13 13-0141 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,463.00 298.60 223.95	314.81
33 11 13 13-0142 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,500.10 300.86 225.64	324.39
33 11 13 13-0143 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,545.15 303.32 227.49	337.88

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0144 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,507.14 396.08 297.06	360.56
33 11 13 13-0145 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,902.25 328.77 246.58	405.62
33 11 13 13-0146 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,470.41 288.34 216.26	387.43
33 11 13 13-0147 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,516.14 292.03 219.03	393.77
33 11 13 13-0148 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,902.23 329.80 247.35	398.82
33 11 13 13-0149 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,003.34 339.03 254.27	404.62
33 11 13 13-0150 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,539.14 391.16 293.37	414.20
33 11 13 13-0151 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,918.72 427.07 320.30	427.68
33 11 13 13-0152 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,618.02 493.56 370.17	450.37
33 11 13 13-0153 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,230.10 547.95 410.96	495.40
33 11 13 13-0154 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,698.88 488.02 366.02	540.33
33 11 13 13-0155 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,198.63 550.62 412.96	457.04
33 11 13 13-0156 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,545.74 584.48 438.36	462.63
33 11 13 13-0157 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,893.13 618.34 463.76	468.42
33 11 13 13-0158 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,387.88 666.36 499.77	478.01
33 11 13 13-0159 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,921.36 717.67 538.25	635.99
33 11 13 13-0160 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,128.13 734.91 551.18	514.18



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Piping	33 11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0161 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,436.49 758.92 569.19	559.22
33 11 13 13-0162 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,851.34 793.60 595.20	604.13
33 11 13 13-0163 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,194.09 1,023.04 767.28	635.99
33 11 13 13-0164 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,501.80 581.81 436.36	451.24
33 11 13 13-0165 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,618.57 685.04 513.78	507.00
33 11 13 13-0166 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,517.71 774.11 580.58	512.60
33 11 13 13-0167 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,002.61 821.72 616.29	518.39
33 11 13 13-0168 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,347.55 854.76 641.07	527.97
33 11 13 13-0169 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,694.28 887.39 665.54	541.46
33 11 13 13-0170 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,360.75 950.60 712.95	564.15
33 11 13 13-0171 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,063.14 1,014.01 760.51	609.19
33 11 13 13-0172 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,255.80 1,126.48 844.86	654.08
33 11 13 13-0173 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,578.58 1,253.92 940.44	711.02
33 11 13 13-0174 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,925.20 1,484.80 1,113.60	711.02
33 11 13 13-0175 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,099.41 1,727.17 1,295.37	546.32
33 11 13 13-0176 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,462.82 1,762.05 1,321.54	555.91
33 11 13 13-0177 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,558.07 1,969.54 1,477.15	569.39

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0178 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,176.39 1,827.93 1,370.95	592.07
33 11 13 13-0179 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,244.63 1,827.93 1,370.95	637.12
33 11 13 13-0180 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,647.18 1,861.38 1,396.04	682.02
33 11 13 13-0181 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,914.92 2,283.32 1,712.49	713.92
33 11 13 13-0182 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,911.17 2,379.16 1,784.37	738.91
33 11 13 13-0183 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,375.05 2,523.43 1,892.58	752.88
33 11 13 13-0184 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,366.29 2,047.11 1,535.33	590.83
33 11 13 13-0185 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,750.22 2,084.05 1,563.04	600.41
33 11 13 13-0186 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,293.97 2,136.38 1,602.29	613.90
33 11 13 13-0187 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,849.61 2,188.51 1,641.38	636.58
33 11 13 13-0188 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,441.17 2,240.84 1,680.63	681.62
33 11 13 13-0189 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,578.97 2,247.82 1,685.86	726.52
33 11 13 13-0190 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,796.92 2,764.78 2,073.58	758.43
33 11 13 13-0191 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,898.21 3,171.12 2,378.34	783.41
33 11 13 13-0192 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,528.32 3,332.02 2,499.01	797.37
33 11 13 13-0193 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,097.67 3,385.58 2,539.19	819.67

33 11 13 13-0194 Mechanical Joint Ductile Iron Wye (Laterals) (33 11 13 13-0002)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0195	EA			4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	413.60 32.63 24.47	57.61
33 11 13 13-0196	EA			6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	451.13 33.66 25.24	75.62
33 11 13 13-0197	EA			8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	620.74 49.25 36.94	84.62
33 11 13 13-0198	EA			8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	812.06 67.93 50.95	87.63
33 11 13 13-0199	EA			8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	714.88 56.85 42.64	96.63
33 11 13 13-0200	EA			8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	873.79 71.83 53.87	102.64
33 11 13 13-0201	EA			10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,288.19 114.31 85.73	95.76
33 11 13 13-0202	EA			10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,360.86 120.26 90.20	104.45
33 11 13 13-0203	EA			10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,570.77 140.37 105.28	110.25
33 11 13 13-0204	EA			10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,774.22 159.87 119.90	115.84
33 11 13 13-0205	EA			12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,654.62 149.20 111.90	107.35
33 11 13 13-0206	EA			12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,875.04 169.93 127.44	116.03
33 11 13 13-0207	EA			12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,271.71 208.71 156.53	121.83
33 11 13 13-0208	EA			12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,335.60 214.25 160.69	127.43
33 11 13 13-0209	EA			12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,104.27 190.24 142.68	133.21
33 11 13 13-0210	EA			14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,495.15 229.03 171.77	135.20
33 11 13 13-0211	EA			14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,865.12 265.15 198.86	141.01

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0212 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,766.33 354.42 265.82	146.59
33 11 13 13-0213 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,037.80 380.69 285.52	152.38
33 11 13 13-0214 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,937.38 369.20 276.90	161.97
33 11 13 13-0215 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,548.33 230.26 172.70	162.17
33 11 13 13-0216 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,811.59 255.71 191.78	167.97
33 11 13 13-0217 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,331.08 306.81 230.11	173.56
33 11 13 13-0218 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,735.93 346.42 259.81	179.35
33 11 13 13-0219 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,698.60 441.23 330.92	188.95
33 11 13 13-0220 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,517.91 421.12 315.84	202.43
33 11 13 13-0221 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,043.39 372.89 279.67	207.55
33 11 13 13-0222 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,360.01 403.68 302.76	213.34
33 11 13 13-0223 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,666.06 433.43 325.07	218.94
33 11 13 13-0224 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,999.08 465.86 349.39	224.74
33 11 13 13-0225 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,050.56 469.55 352.16	234.32
33 11 13 13-0226 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,095.61 472.02 354.01	247.80
33 11 13 13-0227 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,633.34 422.35 316.76	270.49
33 11 13 13-0228 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,764.76 431.38 323.54	297.63



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0229 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,869.99 441.03 330.77	303.43
33 11 13 13-0230 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,362.80 489.46 367.09	309.02
33 11 13 13-0231 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,851.81 537.48 403.11	314.81
33 11 13 13-0232 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,907.38 541.59 406.19	324.39
33 11 13 13-0233 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,970.90 545.90 409.42	337.88
33 11 13 13-0234 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,937.00 639.07 479.30	360.56
33 11 13 13-0235 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,533.22 591.87 443.90	405.61
33 11 13 13-0236 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,777.13 519.01 389.26	387.43
33 11 13 13-0237 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,851.59 525.58 394.18	393.23
33 11 13 13-0238 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,539.36 593.51 445.13	398.82
33 11 13 13-0239 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,851.85 623.88 467.91	404.62
33 11 13 13-0240 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,941.75 731.42 548.56	414.20
33 11 13 13-0241 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,842.60 819.46 614.59	427.68
33 11 13 13-0242 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,911.30 922.89 692.17	450.37
33 11 13 13-0243 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,888.69 1,013.81 760.36	495.40
33 11 13 13-0244 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,602.24 878.36 658.77	540.31
33 11 13 13-0245 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,133.15 1,144.95 858.71	451.24

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0246 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,631.84 1,293.94 970.45	457.04
33 11 13 13-0247 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,436.60 1,373.56 1,030.17	462.63
33 11 13 13-0248 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,241.64 1,453.19 1,089.89	468.42
33 11 13 13-0249 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,382.85 1,565.86 1,174.39	478.01
33 11 13 13-0250 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,609.99 1,686.53 1,264.90	491.49
33 11 13 13-0251 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,048.66 1,726.96 1,295.22	514.18
33 11 13 13-0252 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,681.28 1,783.40 1,337.55	559.22
33 11 13 13-0253 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,564.03 1,864.87 1,398.65	604.13
33 11 13 13-0254 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,215.18 2,025.15 1,518.86	636.03
33 11 13 13-0255 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,382.65 2,259.72 1,694.79	518.39
33 11 13 13-0256 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,306.33 2,350.64 1,762.98	527.97
33 11 13 13-0257 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,223.58 2,440.32 1,830.24	541.46
33 11 13 13-0258 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,996.20 2,614.14 1,960.61	564.15
33 11 13 13-0259 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,808.86 2,788.58 2,091.44	609.19
33 11 13 13-0260 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,969.61 3,097.86 2,323.39	654.08
33 11 13 13-0261 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,841.28 3,480.19 2,610.14	686.00
33 11 13 13-0262 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,838.27 4,176.10 3,132.08	710.97



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0263 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,688.11 3,672.28 2,754.21	637.12
33 11 13 13-0264 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,611.93 3,757.86 2,818.39	682.02
33 11 13 13-0265 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,254.30 4,017.26 3,012.95	713.92
33 11 13 13-0266 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	47,223.12 4,610.36 3,457.77	738.91
33 11 13 13-0267 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	55,769.30 5,462.86 4,097.14	752.87
33 11 13 13-0268 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,148.08 3,611.53 2,708.65	681.62
33 11 13 13-0269 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,100.44 4,099.97 3,074.97	726.52
33 11 13 13-0270 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	44,880.32 4,373.12 3,279.84	758.43
33 11 13 13-0271 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	51,208.30 5,002.13 3,751.60	783.41
33 11 13 13-0272 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	67,093.26 6,588.51 4,941.38	797.37
33 11 13 13-0273 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	73,694.14 7,245.23 5,433.92	819.63
33 11 13 13-0274 Mechanical Joint Ductile Iron Cross (33 11 13 13-0002)		
33 11 13 13-0275 EA 4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	538.05 42.89 32.17	72.01
33 11 13 13-0276 EA 6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	613.40 46.79 35.09	96.02
33 11 13 13-0277 EA 6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	707.24 52.54 39.40	120.03
33 11 13 13-0278 EA 8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	625.01 46.59 34.94	105.04
33 11 13 13-0279 EA 8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	739.35 54.38 40.79	129.04

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0280 EA 8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	781.75 57.26 42.94	138.04
33 11 13 13-0281 EA 10" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	777.15 60.75 45.56	112.00
33 11 13 13-0282 EA 10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	886.13 68.13 51.10	135.17
33 11 13 13-0283 EA 10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,063.49 84.55 63.41	143.86
33 11 13 13-0284 EA 10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,151.42 91.74 68.80	154.45
33 11 13 13-0285 EA 12 x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	951.84 76.75 57.57	121.63
33 11 13 13-0286 EA 12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,103.91 88.45 66.34	144.81
33 11 13 13-0287 EA 12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,628.09 139.55 104.66	153.50
33 11 13 13-0288 EA 12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,644.19 139.55 104.66	164.12
33 11 13 13-0289 EA 12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,874.28 161.10 120.83	173.76
33 11 13 13-0290 EA 14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,932.38 169.11 126.83	159.28
33 11 13 13-0291 EA 14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,286.22 203.17 152.38	167.97
33 11 13 13-0292 EA 14" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,343.36 207.28 155.46	178.59
33 11 13 13-0293 EA 14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,472.90 218.77 164.08	188.23
33 11 13 13-0294 EA 14" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,739.03 243.19 182.39	202.72
33 11 13 13-0295 EA 16" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,211.40 193.94 145.45	179.54
33 11 13 13-0296 EA 16" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,526.25 224.11 168.08	188.23



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0297 EA 16" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,040.18 273.89 205.42	198.86
33 11 13 13-0298 EA 16" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,396.32 308.04 231.03	208.49
33 11 13 13-0299 EA 16" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,120.12 378.23 283.67	222.97
33 11 13 13-0300 EA 16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,834.20 446.57 334.93	243.27
33 11 13 13-0301 EA 18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,709.91 338.83 254.12	212.29
33 11 13 13-0302 EA 18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,924.20 358.94 269.20	220.99
33 11 13 13-0303 EA 18" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,108.59 375.77 281.82	231.61
33 11 13 13-0304 EA 18" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,459.76 409.42 307.07	241.26
33 11 13 13-0305 EA 18" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,218.44 483.10 362.32	255.73
33 11 13 13-0306 EA 18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,552.86 513.47 385.10	275.98
33 11 13 13-0307 EA 18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,803.62 533.58 400.19	308.73
33 11 13 13-0308 EA 20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,664.04 426.05 319.53	266.36
33 11 13 13-0309 EA 20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,880.39 446.36 334.77	275.06
33 11 13 13-0310 EA 20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,029.88 459.70 344.78	285.69
33 11 13 13-0311 EA 20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,379.00 493.15 369.86	295.33
33 11 13 13-0312 EA 20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,468.65 499.93 374.94	309.81
33 11 13 13-0313 EA 20" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,640.40 614.03 460.52	330.06

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0314 EA 20" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,891.15 634.14 475.61	362.83
33 11 13 13-0315 EA 20" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,443.04 681.14 510.85	416.85
33 11 13 13-0316 EA 24" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,376.33 587.15 440.36	333.21
33 11 13 13-0317 EA 24" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,525.21 600.69 450.52	341.91
33 11 13 13-0318 EA 24" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,774.99 624.09 468.06	352.53
33 11 13 13-0319 EA 24" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,990.73 644.20 483.15	362.17
33 11 13 13-0320 EA 24" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,113.21 654.25 490.69	376.64
33 11 13 13-0321 EA 24" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,379.92 677.86 508.39	396.91
33 11 13 13-0322 EA 24" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,812.20 916.12 687.09	429.66
33 11 13 13-0323 EA 24" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,329.21 959.63 719.72	483.73
33 11 13 13-0324 EA 24" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,370.41 1,053.62 790.22	550.60
33 11 13 13-0325 EA 30" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,309.55 1,163.83 872.87	443.05
33 11 13 13-0326 EA 30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,553.44 1,186.61 889.95	453.68
33 11 13 13-0327 EA 30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,793.80 1,209.18 906.89	463.32
33 11 13 13-0328 EA 30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,076.35 1,235.24 926.43	477.80
33 11 13 13-0329 EA 30" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,398.48 1,264.39 948.29	498.05
33 11 13 13-0330 EA 30" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,772.36 1,296.81 972.61	530.81



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0331 EA 30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,242.17 1,335.60 1,001.70	584.89
33 11 13 13-0332 EA 30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,367.88 1,738.04 1,303.53	651.72
33 11 13 13-0333 EA 30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,119.27 1,997.86 1,498.39	752.88
33 11 13 13-0334 EA 36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,262.69 1,653.49 1,240.12	480.33
33 11 13 13-0335 EA 36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,504.52 1,676.06 1,257.05	490.96
33 11 13 13-0336 EA 36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,712.04 1,695.36 1,271.52	500.61
33 11 13 13-0337 EA 36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,959.71 1,717.93 1,288.45	515.08
33 11 13 13-0338 EA 36" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,248.99 1,743.79 1,307.84	535.34
33 11 13 13-0339 EA 36" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,587.99 1,772.73 1,329.54	568.08
33 11 13 13-0340 EA 36" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,024.97 1,808.23 1,356.17	622.17
33 11 13 13-0341 EA 36" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,803.48 1,875.95 1,406.96	689.01
33 11 13 13-0342 EA 36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,757.86 2,556.07 1,917.05	790.15
33 11 13 13-0343 EA 36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,424.80 2,817.11 2,112.83	827.48
33 11 13 13-0344 EA 42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,244.72 2,245.36 1,684.02	522.16
33 11 13 13-0345 EA 42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,315.75 2,550.27 1,912.70	536.64
33 11 13 13-0346 EA 42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,759.09 2,291.53 1,718.65	556.89
33 11 13 13-0347 EA 42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,057.04 2,316.36 1,737.27	589.65

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0348 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,477.60 2,350.23 1,762.67	643.73
33 11 13 13-0349 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,196.60 2,412.00 1,809.00	710.57
33 11 13 13-0350 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,319.25 3,108.94 2,331.70	811.71
33 11 13 13-0351 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,339.37 4,105.30 3,078.98	849.00
33 11 13 13-0352 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	45,392.93 4,407.39 3,305.54	870.57
33 11 13 13-0353 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,486.90 3,056.61 2,292.45	607.75
33 11 13 13-0354 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,693.53 3,075.08 2,306.31	622.23
33 11 13 13-0355 EA 48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,970.49 3,099.70 2,324.78	642.48
33 11 13 13-0356 EA 48" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,266.39 3,124.33 2,343.25	675.24
33 11 13 13-0357 EA 48" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,658.23 3,155.32 2,366.49	729.32
33 11 13 13-0358 EA 48" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,344.39 3,213.81 2,410.36	796.15
33 11 13 13-0359 EA 48" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,256.41 3,389.69 2,542.26	897.31
33 11 13 13-0360 EA 48" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	43,300.22 4,188.42 3,141.31	934.59
33 11 13 13-0361 EA 48" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	55,824.86 5,437.62 4,078.21	956.15
33 11 13 13-0362 EA 48" x 48" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	59,439.24 5,786.09 4,339.56	1,041.70
33 11 13 13-0363 Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 11 13 13-0002)</small>		
33 11 13 13-0364 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	215.49 14.37 10.77	47.41



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0365	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	278.04 19.70 14.78	53.42
33 11 13 13-0366	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	303.89 20.93 15.70	62.41
33 11 13 13-0367	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	343.13 25.65 19.24	57.15
33 11 13 13-0368	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	370.65 27.09 20.32	65.83
33 11 13 13-0369	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	406.11 29.76 22.32	71.62
33 11 13 13-0370	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	419.61 32.43 24.32	62.94
33 11 13 13-0371	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	465.62 35.71 26.78	71.62
33 11 13 13-0372	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	484.66 36.74 27.55	77.42
33 11 13 13-0373	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	532.12 40.63 30.48	83.02
33 11 13 13-0374	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	915.21 79.22 59.41	81.22
33 11 13 13-0375	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	882.95 75.11 56.33	87.01
33 11 13 13-0376	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	780.61 64.03 48.02	92.61
33 11 13 13-0377	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	820.16 67.11 50.33	98.40
33 11 13 13-0378	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,075.20 93.17 69.88	94.70
33 11 13 13-0379	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,049.09 89.68 67.26	100.49
33 11 13 13-0380	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,024.73 86.40 64.80	106.09
33 11 13 13-0381	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,113.54 94.40 70.80	111.88

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0382 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,240.94 105.69 79.27	121.47
33 11 13 13-0383 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,337.95 115.13 86.35	123.18
33 11 13 13-0384 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,506.49 131.14 98.35	128.78
33 11 13 13-0385 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,445.50 124.16 93.12	134.57
33 11 13 13-0386 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,531.84 131.34 98.51	144.15
33 11 13 13-0387 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,609.75 137.09 102.82	157.64
33 11 13 13-0388 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,892.57 163.77 122.83	168.23
33 11 13 13-0389 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,806.64 154.33 115.75	173.81
33 11 13 13-0390 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,653.30 138.12 103.59	179.61
33 11 13 13-0391 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,657.56 137.09 102.82	189.19
33 11 13 13-0392 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,706.72 139.96 104.97	202.68
33 11 13 13-0393 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,059.18 171.77 128.83	225.37
33 11 13 13-0394 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,456.03 211.59 158.69	224.51
33 11 13 13-0395 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,523.90 216.92 162.69	234.10
33 11 13 13-0396 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,573.07 219.80 164.85	247.57
33 11 13 13-0397 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,510.98 210.15 157.61	270.26
33 11 13 13-0398 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,079.97 260.22 195.17	315.31



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0399 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,194.92 477.15 357.86	279.49
33 11 13 13-0400 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,418.10 496.03 372.02	302.17
33 11 13 13-0401 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,211.34 468.53 351.39	347.21
33 11 13 13-0402 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,055.68 446.16 334.62	392.12
33 11 13 13-0403 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,822.70 725.88 544.41	372.19
33 11 13 13-0404 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,394.65 576.27 432.20	417.09
33 11 13 13-0405 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,947.85 626.75 470.07	449.00
33 11 13 13-0406 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,283.97 980.15 735.11	318.43
33 11 13 13-0407 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,228.04 971.12 728.34	341.11
33 11 13 13-0408 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,263.45 967.84 725.88	386.16
33 11 13 13-0409 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,454.06 1,080.09 810.07	431.06
33 11 13 13-0410 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,372.18 867.07 650.30	462.97
33 11 13 13-0411 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,808.17 906.89 680.16	487.95
33 11 13 13-0412 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,917.32 1,340.11 1,005.08	340.69
33 11 13 13-0413 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,471.46 1,292.09 969.07	363.37
33 11 13 13-0414 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,800.90 1,218.21 913.66	408.42
33 11 13 13-0415 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,178.81 1,249.20 936.90	453.31

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0416 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,786.31 1,505.11 1,128.83	485.22
33 11 13 13-0417 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,769.88 1,299.68 974.76	510.20
33 11 13 13-0418 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,141.40 1,434.72 1,076.04	524.17
33 11 13 13-0419 Mechanical Joint Ductile Iron Caps (33 11 13 13-0002)		
33 11 13 13-0420 EA 4" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	188.77 5.54 4.16	88.02
33 11 13 13-0421 EA 6" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	265.22 9.85 7.39	110.02
33 11 13 13-0422 EA 8" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	354.70 16.42 12.31	125.76
33 11 13 13-0423 EA 10" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	499.81 20.73 15.55	193.07
33 11 13 13-0424 EA 12" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	629.01 30.99 23.24	210.63
33 11 13 13-0425 EA 14" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	820.99 47.00 35.25	231.68
33 11 13 13-0426 EA 16" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,020.08 63.00 47.25	257.39
33 11 13 13-0427 EA 18" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,208.38 76.96 57.72	289.60
33 11 13 13-0428 EA 20" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,496.82 99.53 74.65	330.94
33 11 13 13-0429 EA 24" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,951.85 136.68 102.51	386.14
33 11 13 13-0430 EA 30" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,827.63 312.56 234.42	463.37
33 11 13 13-0431 EA 36" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,562.29 568.47 426.35	579.21
33 11 13 13-0432 EA 42" Mechanical Joint Ductile Iron Caps..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,674.57 862.15 646.61	695.05



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0433	EA	48" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,558.56 1,038.84 779.13	772.28
33 11 13 13-0434 Mechanical Joint Ductile Iron Plug <small>(33 11 13 13-0002)</small>					
33 11 13	13-0435	EA	4" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	201.08 6.77 5.08	88.02
33 11 13	13-0436	EA	6" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	298.05 13.13 9.85	110.02
33 11 13	13-0437	EA	8" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	387.54 19.70 14.78	125.76
33 11 13	13-0438	EA	10" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	633.20 34.07 25.55	193.07
33 11 13	13-0439	EA	12" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	665.95 34.68 26.01	210.63
33 11 13	13-0440	EA	14" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,057.00 70.60 52.95	231.68
33 11 13	13-0441	EA	16" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	480.34 9.03 6.77	257.39
33 11 13	13-0442	EA	18" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,559.31 112.05 84.04	289.60
33 11 13	13-0443	EA	20" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,974.99 147.35 110.51	330.94
33 11 13	13-0444	EA	24" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,629.09 204.40 153.30	386.14
33 11 13	13-0445	EA	30" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,759.35 405.73 304.30	463.37
33 11 13	13-0446	EA	36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,145.13 626.75 470.07	579.21
33 11 13	13-0447	EA	42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,748.45 869.53 652.15	695.05
33 11 13	13-0448	EA	48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,761.17 1,159.11 869.33	772.28
33 11 13 13-0449 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 11 13 13-0002)</small>					
33 11 13	13-0450	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	343.71 14.37 10.77	132.04

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0451 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	449.14	165.04
For Cement Mortar Lining (CML), Add	19.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0452 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	587.47	188.59
For Cement Mortar Lining (CML), Add	30.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0453 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	964.16	289.60
For Cement Mortar Lining (CML), Add	52.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.40	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0454 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,151.82	315.93
For Cement Mortar Lining (CML), Add	67.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0455 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,595.78	347.53
For Cement Mortar Lining (CML), Add	106.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.19	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0456 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,806.14	386.14
For Cement Mortar Lining (CML), Add	122.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0457 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,525.73	434.41
For Cement Mortar Lining (CML), Add	186.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	140.07	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0458 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,976.85	496.45
For Cement Mortar Lining (CML), Add	222.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.85	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0459 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,617.33	579.21
For Cement Mortar Lining (CML), Add	273.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0460 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,095.46	695.05
For Cement Mortar Lining (CML), Add	504.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	378.18	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0461 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,542.32	868.81
For Cement Mortar Lining (CML), Add	722.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	541.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0462 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,578.89	992.91
For Cement Mortar Lining (CML), Add	1,007.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	755.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0463 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	14,372.35	1,158.41
For Cement Mortar Lining (CML), Add	1,261.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	946.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0464 Mechanical Joint Ductile Iron Long Sleeves (33 11 13 13-0002)		
33 11 13 13-0465 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	333.45	132.04
For Cement Mortar Lining (CML), Add	13.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0466 EA 6" Mechanical Joint Ductile Iron Long Sleeves.....	473.76	165.04
For Cement Mortar Lining (CML), Add	22.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.78	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0467 EA 8" Mechanical Joint Ductile Iron Long Sleeves.....	653.14	188.59
For Cement Mortar Lining (CML), Add	36.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.55	
Note: ANSI/AWWA C151/A21.51		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0468 EA 10" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	875.92 43.71 32.78	289.60
33 11 13 13-0469 EA 12" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,069.74 59.11 44.33	315.93
33 11 13 13-0470 EA 14" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,419.28 89.27 66.95	347.53
33 11 13 13-0471 EA 16" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,715.84 113.08 84.81	386.14
33 11 13 13-0472 EA 18" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,105.02 144.68 108.51	434.41
33 11 13 13-0473 EA 20" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,498.68 174.65 130.98	496.45
33 11 13 13-0474 EA 24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,178.15 230.06 172.54	579.21
33 11 13 13-0475 EA 30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,871.77 481.87 361.40	695.05
33 11 13 13-0476 EA 36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,082.62 676.62 507.47	868.81
33 11 13 13-0477 EA 42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,553.10 905.04 678.78	991.77
33 11 13 13-0478 EA 48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,468.81 1,271.36 953.52	1,158.41
33 11 13 13-0479 Mechanical Joint Ductile Iron Gland Packs (33 11 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 11 13 13-0480 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 11 13 13-0479) Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0481 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	19.20	
33 11 13 13-0482 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	23.20	
33 11 13 13-0483 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	27.20	
33 11 13 13-0484 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	37.60	
33 11 13 13-0485 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	40.00	
33 11 13 13-0486 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	65.60	
33 11 13 13-0487 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	69.60	
33 11 13 13-0488 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	92.80	
33 11 13 13-0489 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	120.00	
33 11 13 13-0490 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	167.20	
33 11 13 13-0491 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	399.20	
33 11 13 13-0492 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	860.80	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0493 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,256.80	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0494 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,542.40	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0496 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 11 13 13-0479)</small>		
Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0497 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	27.20	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0498 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	34.40	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0499 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	37.60	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0500 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	52.00	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0501 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	54.40	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0502 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	82.40	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0503 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	90.40	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0504 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	120.00	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0505 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	155.20	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0506 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	216.80	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0507 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 11 13 13-0479)</small>		
Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0508 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	20.80	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0509 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	24.80	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0510 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	29.60	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0511 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	40.80	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0512 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	43.20	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0513 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	71.20	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0514 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	75.20	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0515 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	101.60	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0516 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	130.40	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0517 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	182.40	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0518 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	436.80	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 11 13 13-0519 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	968.00	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 11 13 13-0520 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,401.60	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0521 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,724.80	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0523 Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100) <small>(33 11 13 13-0002)</small>		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 11 13 13-0524 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	252.22	67.74
33 11 13 13-0525 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	313.13	83.84
33 11 13 13-0526 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	400.79	97.84
33 11 13 13-0527 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	580.32	144.81
33 11 13 13-0528 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	734.59	165.52
33 11 13 13-0529 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	876.69	178.15
33 11 13 13-0530 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	1,119.28	193.07
33 11 13 13-0531 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	1,459.77	231.68
33 11 13 13-0532 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	1,746.63	257.31
33 11 13 13-0533 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	2,322.90	296.89
33 11 13 13-0534 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	4,832.93	356.04
33 11 13 13-0535 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	5,959.60	445.56
33 11 13 13-0536 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	9,005.95	514.09
33 11 13 13-0537 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	11,528.96	661.18



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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0538	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 11 13 13-0001)		
	Note: .		
33 11 13 13-0539	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 11 13 13-0538)		
33 11 13 13-0540	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	582.43	39.10
33 11 13 13-0541	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	906.13	57.29
33 11 13 13-0542	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,246.75	68.20
33 11 13 13-0543	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,725.68	77.23
33 11 13 13-0544	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,193.23	90.40
33 11 13 13-0545	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,137.53	101.80
33 11 13 13-0546	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,812.09	115.84
33 11 13 13-0547	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,590.28	162.36
33 11 13 13-0548	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,720.95	202.72
33 11 13 13-0549	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	8,100.87	270.30
33 11 13 13-0550	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	13,074.43	289.60
33 11 13 13-0551	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	19,348.42	301.01
33 11 13 13-0552	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	31,985.35	347.53
33 11 13 13-0553	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	41,902.54	369.47
33 11 13 13-0554	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 11 13 13-0538)		
33 11 13 13-0555	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	543.44	39.10
33 11 13 13-0556	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	838.41	57.29
33 11 13 13-0557	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,142.08	68.20
33 11 13 13-0558	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,504.03	77.23
33 11 13 13-0559	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,994.17	90.40
33 11 13 13-0560	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,710.66	101.80
33 11 13 13-0561	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,249.78	115.84
33 11 13 13-0562	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,824.80	162.36
33 11 13 13-0563	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,639.42	202.72
33 11 13 13-0564	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,112.25	270.30
33 11 13 13-0565	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,397.75	289.60
33 11 13 13-0566	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,832.93	301.01
33 11 13 13-0567	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	23,599.89	347.53
33 11 13 13-0568	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	30,266.34	369.47
33 11 13 13-0569	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 11 13 13-0538)		
33 11 13 13-0570	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	537.28	39.10
33 11 13 13-0571	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	813.78	57.29
33 11 13 13-0572	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,133.87	68.20
33 11 13 13-0573	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,501.98	77.23
33 11 13 13-0574	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,875.14	90.40
33 11 13 13-0575	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,727.08	101.80
33 11 13 13-0576	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,175.89	115.84
33 11 13 13-0577	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,806.33	162.36
33 11 13 13-0578	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,809.75	202.72
33 11 13 13-0579	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,976.80	270.30
33 11 13 13-0580	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,119.21	289.60
33 11 13 13-0581	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,883.31	301.01
33 11 13 13-0582	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,928.44	347.53
33 11 13 13-0583	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	25,572.87	369.47
33 11 13 13-0584	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 11 13 13-0538)		
33 11 13 13-0585	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	650.16	39.10
33 11 13 13-0586	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	821.99	57.29
33 11 13 13-0587	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,096.93	68.20
33 11 13 13-0588	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,497.88	77.23
33 11 13 13-0589	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,819.73	90.40
33 11 13 13-0590	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,942.56	101.80
33 11 13 13-0591	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,276.45	115.84
33 11 13 13-0592	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,389.16	162.36
33 11 13 13-0593	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,633.26	202.72
33 11 13 13-0594	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,978.85	270.30
33 11 13 13-0595	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,254.65	289.60
33 11 13 13-0596	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,495.43	301.01
33 11 13 13-0597	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	19,374.33	347.53
33 11 13 13-0598	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	25,425.11	369.47
33 11 13 13-0599	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 11 13 13-0538)		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0600 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	629.63	39.10
33 11 13 13-0601 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	984.12	57.29
33 11 13 13-0602 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,345.26	68.20
33 11 13 13-0603 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,869.33	77.23
33 11 13 13-0604 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,351.26	90.40
33 11 13 13-0605 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,272.42	101.80
33 11 13 13-0606 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	6,699.59	115.84
33 11 13 13-0607 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	7,633.75	162.36
33 11 13 13-0608 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	8,787.00	202.72
33 11 13 13-0609 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	9,463.55	270.30
33 11 13 13-0610 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0538)</small>		
33 11 13 13-0611 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	551.64	39.10
33 11 13 13-0612 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	871.25	57.29
33 11 13 13-0613 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,242.64	68.20
33 11 13 13-0614 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,662.06	77.23
33 11 13 13-0615 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,170.66	90.40
33 11 13 13-0616 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,907.68	101.80
33 11 13 13-0617 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,498.10	115.84
33 11 13 13-0618 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	6,587.11	162.36
33 11 13 13-0619 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	6,886.61	202.72
33 11 13 13-0620 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	7,128.10	270.30
33 11 13 13-0621 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 11 13 13-0538)</small>		
33 11 13 13-0622 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	682.44	57.29
33 11 13 13-0623 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,064.75	75.47
33 11 13 13-0624 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,119.43	84.57
33 11 13 13-0625 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,310.76	87.29
33 11 13 13-0626 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,416.75	96.38
33 11 13 13-0627 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,561.29	102.75
33 11 13 13-0628 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,780.73	95.66
33 11 13 13-0629 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,771.31	104.43
33 11 13 13-0630 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,921.71	110.57
33 11 13 13-0631 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,075.89	115.84
33 11 13 13-0632 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,149.21	107.07
33 11 13 13-0633 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,162.36	115.84
33 11 13 13-0634 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,341.48	121.98
33 11 13 13-0635 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,709.11	127.25
33 11 13 13-0636 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,711.73	133.39
33 11 13 13-0637 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,084.14	135.15
33 11 13 13-0638 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,341.24	141.29
33 11 13 13-0639 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,074.16	146.56
33 11 13 13-0640 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,302.53	152.70
33 11 13 13-0641 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,970.23	162.36
33 11 13 13-0642 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,689.29	162.36
33 11 13 13-0643 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,891.07	167.62
33 11 13 13-0644 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,689.66	173.76
33 11 13 13-0645 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,386.49	179.03
33 11 13 13-0646 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,757.55	188.69
33 11 13 13-0647 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,184.88	202.72
33 11 13 13-0648 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,847.87	207.99
33 11 13 13-0649 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,117.28	213.25
33 11 13 13-0650 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,460.28	218.52
33 11 13 13-0651 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,776.88	224.66
33 11 13 13-0652 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,933.02	234.32
33 11 13 13-0653 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,341.32	247.48
33 11 13 13-0654 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,083.71	270.30
33 11 13 13-0655 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,528.19	297.51



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0656	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,621.11	303.65
33 11 13 13-0657	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,196.01	308.91
33 11 13 13-0658	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,508.52	315.06
33 11 13 13-0659	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,568.20	324.71
33 11 13 13-0660	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,471.64	337.87
33 11 13 13-0661	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,328.41	360.69
33 11 13 13-0662	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,025.76	405.44
33 11 13 13-0663	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,690.37	387.02
33 11 13 13-0664	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,752.52	394.03
33 11 13 13-0665	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,875.93	398.42
33 11 13 13-0666	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,061.18	404.57
33 11 13 13-0667	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,066.94	414.22
33 11 13 13-0668	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,417.79	427.38
33 11 13 13-0669	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,418.21	450.21
33 11 13 13-0670	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,732.72	495.84
33 11 13 13-0671	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,010.63	540.59
33 11 13 13-0672	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,884.83	451.08
33 11 13 13-0673	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,294.34	457.23
33 11 13 13-0674	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,953.39	462.49
33 11 13 13-0675	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,614.77	468.63
33 11 13 13-0676	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,552.81	478.29
33 11 13 13-0677	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,562.41	636.26
33 11 13 13-0678	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,477.76	514.26
33 11 13 13-0679	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,424.93	559.03
33 11 13 13-0680	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,012.17	603.78
33 11 13 13-0681	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,987.01	636.26
33 11 13 13-0682	EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,234.05	507.25
33 11 13 13-0683	EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,732.45	512.51
33 11 13 13-0684	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,539.55	518.65
33 11 13 13-0685	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,106.13	528.31
33 11 13 13-0686	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,672.45	541.47
33 11 13 13-0687	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,765.79	564.28
33 11 13 13-0688	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,895.04	609.05
33 11 13 13-0689	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,844.98	653.80
33 11 13 13-0690	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,454.51	710.84
33 11 13 13-0691	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	25,936.02	710.84
33 11 13 13-0692	EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,743.82	546.74
33 11 13 13-0693	EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,343.24	555.52
33 11 13 13-0694	EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,405.09	569.55
33 11 13 13-0695	EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,122.67	592.38
33 11 13 13-0696	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,190.91	637.13
33 11 13 13-0697	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,466.03	681.89
33 11 13 13-0698	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,013.06	714.36
33 11 13 13-0699	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	39,779.65	738.92
33 11 13 13-0700	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	41,951.56	752.97
33 11 13 13-0701	EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,724.32	590.61
33 11 13 13-0702	EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,348.36	600.27
33 11 13 13-0703	EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,234.83	614.32
33 11 13 13-0704	EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	37,129.09	636.26
33 11 13 13-0705	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,063.38	681.89
33 11 13 13-0706	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,246.33	726.64
33 11 13 13-0707	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	41,083.68	758.24
33 11 13 13-0708	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,898.21	783.69
33 11 13 13-0709	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	41,407.43	797.73
33 11 13 13-0710	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	55,365.59	819.67
33 11 13 13-0711	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 11 13 13-0538)</small>		
33 11 13 13-0712	EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	871.25	57.29
33 11 13 13-0713	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,068.85	75.47
33 11 13 13-0714	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,314.39	84.57
33 11 13 13-0715	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,747.88	87.29
33 11 13 13-0716	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,597.34	96.38
33 11 13 13-0717	EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,801.41	102.75
33 11 13 13-0718	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,599.57	95.66
33 11 13 13-0719	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,703.03	104.43
33 11 13 13-0720	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,029.91	110.57
33 11 13 13-0721	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,311.34	115.84
33 11 13 13-0722	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,181.48	107.07
33 11 13 13-0723	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,613.29	115.84
33 11 13 13-0724	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,291.11	121.98
33 11 13 13-0725	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,289.33	127.25
33 11 13 13-0726	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,943.07	133.39
33 11 13 13-0727	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,709.52	135.15
33 11 13 13-0728	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,428.37	141.29
33 11 13 13-0729	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,191.52	146.56
33 11 13 13-0730	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,717.46	152.70
33 11 13 13-0731	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,506.23	162.36
33 11 13 13-0732	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,881.73	162.36
33 11 13 13-0733	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,403.57	167.62

33 Utilities

33 10 Water Utilities

33 11 Water Utility Distribution Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0734 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,440.22	173.76
33 11 13 13-0735 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,643.96	179.03
33 11 13 13-0736 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,263.34	188.69
33 11 13 13-0737 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,791.23	202.72
33 11 13 13-0738 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,941.15	207.99
33 11 13 13-0739 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,497.88	213.25
33 11 13 13-0740 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,035.84	218.52
33 11 13 13-0741 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,619.24	224.66
33 11 13 13-0742 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,699.44	234.32
33 11 13 13-0743 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,787.59	247.48
33 11 13 13-0744 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,916.92	270.30
33 11 13 13-0745 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,118.12	297.51
33 11 13 13-0746 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,297.23	303.65
33 11 13 13-0747 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,167.66	308.91
33 11 13 13-0748 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,030.17	315.06
33 11 13 13-0749 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,116.53	324.71
33 11 13 13-0750 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,214.93	337.87
33 11 13 13-0751 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,903.42	360.69
33 11 13 13-0752 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,134.34	405.44
33 11 13 13-0753 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,811.83	387.02
33 11 13 13-0754 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,937.60	393.16
33 11 13 13-0755 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,152.79	398.42
33 11 13 13-0756 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,701.29	404.57
33 11 13 13-0757 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,626.46	414.22
33 11 13 13-0758 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,212.76	427.38
33 11 13 13-0759 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,083.88	450.21
33 11 13 13-0760 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,769.29	495.84
33 11 13 13-0761 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,430.04	540.59
33 11 13 13-0762 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,033.71	451.08
33 11 13 13-0763 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,689.87	457.23
33 11 13 13-0764 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,112.35	462.49
33 11 13 13-0765 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,537.17	468.63
33 11 13 13-0766 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,554.69	478.29
33 11 13 13-0767 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,719.70	491.45
33 11 13 13-0768 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,472.36	514.26
33 11 13 13-0769 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,544.16	559.03
33 11 13 13-0770 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,059.01	603.78
33 11 13 13-0771 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	36,955.87	636.26
33 11 13 13-0772 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,947.78	518.65
33 11 13 13-0773 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,577.42	528.31
33 11 13 13-0774 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	44,192.43	541.47
33 11 13 13-0775 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	47,315.43	564.28
33 11 13 13-0776 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	50,484.62	609.05
33 11 13 13-0777 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	56,048.54	653.80
33 11 13 13-0778 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,891.85	686.28
33 11 13 13-0779 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,298.55	710.84
33 11 13 13-0780 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,232.72	637.13
33 11 13 13-0781 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	67,821.46	681.89
33 11 13 13-0782 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,479.13	714.36
33 11 13 13-0783 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	83,059.34	738.92
33 11 13 13-0784 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	98,232.19	752.97
33 11 13 13-0785 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,220.67	681.89
33 11 13 13-0786 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	73,969.68	726.64
33 11 13 13-0787 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	78,871.57	758.24
33 11 13 13-0788 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,090.04	783.69
33 11 13 13-0789 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	118,304.86	797.73
33 11 13 13-0790 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	130,009.66	819.67
33 11 13 13-0791 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 11 13 13-0538)</small>		
33 11 13 13-0792 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,195.36	84.57
33 11 13 13-0793 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,494.73	96.38
33 11 13 13-0794 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,181.76	104.43
33 11 13 13-0795 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,515.34	115.84
33 11 13 13-0796 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,344.78	135.15
33 11 13 13-0797 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,077.25	162.36
33 11 13 13-0798 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,796.56	207.99
33 11 13 13-0799 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,429.13	297.51
33 11 13 13-0800 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,481.14	387.02
33 11 13 13-0801 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	13,811.88	451.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0802				Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 11 13 13-0538)</small>		
	33 11 13 13-0803	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,047.00	71.83
	33 11 13 13-0804	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,292.69	96.38
	33 11 13 13-0805	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,413.21	120.03
	33 11 13 13-0806	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,369.97	105.48
	33 11 13 13-0807	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,609.50	129.13
	33 11 13 13-0808	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,582.12	138.22
	33 11 13 13-0809	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,626.78	112.34
	33 11 13 13-0810	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,813.75	135.15
	33 11 13 13-0811	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,171.70	143.92
	33 11 13 13-0812	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,354.03	154.45
	33 11 13 13-0813	EA		12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,113.41	121.98
	33 11 13 13-0814	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,441.97	144.81
	33 11 13 13-0815	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,654.21	153.58
	33 11 13 13-0816	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,111.54	164.11
	33 11 13 13-0817	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,567.38	173.76
	33 11 13 13-0818	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,709.62	158.84
	33 11 13 13-0819	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,420.55	167.62
	33 11 13 13-0820	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,520.79	179.03
	33 11 13 13-0821	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,771.41	187.80
	33 11 13 13-0822	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,294.07	202.72
	33 11 13 13-0823	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,150.76	179.91
	33 11 13 13-0824	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,767.29	187.80
	33 11 13 13-0825	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,778.72	199.22
	33 11 13 13-0826	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,476.73	208.86
	33 11 13 13-0827	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,900.34	222.91
	33 11 13 13-0828	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,234.77	243.10
	33 11 13 13-0829	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,270.54	212.38
	33 11 13 13-0830	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,696.21	221.16
	33 11 13 13-0831	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,057.10	231.68
	33 11 13 13-0832	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,763.31	241.33
	33 11 13 13-0833	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,295.68	255.38
	33 11 13 13-0834	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,948.20	275.57
	33 11 13 13-0835	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,410.34	308.91
	33 11 13 13-0836	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,142.03	266.79
	33 11 13 13-0837	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,571.81	274.68
	33 11 13 13-0838	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,860.85	286.09
	33 11 13 13-0839	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,560.91	295.75
	33 11 13 13-0840	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,722.38	309.79
	33 11 13 13-0841	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,092.64	329.97
	33 11 13 13-0842	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,554.77	362.44
	33 11 13 13-0843	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,601.26	416.85
	33 11 13 13-0844	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,547.41	333.48
	33 11 13 13-0845	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,837.90	342.26
	33 11 13 13-0846	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,333.95	352.79
	33 11 13 13-0847	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,761.07	362.44
	33 11 13 13-0848	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,988.22	376.49
	33 11 13 13-0849	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,503.24	396.67
	33 11 13 13-0850	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,439.26	430.02
	33 11 13 13-0851	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,413.92	483.55
	33 11 13 13-0852	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,444.30	550.25
	33 11 13 13-0853	EA		30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,547.80	443.18
	33 11 13 13-0854	EA		30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,933.30	453.71
	33 11 13 13-0855	EA		30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,313.21	463.37
	33 11 13 13-0856	EA		30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,757.89	477.41
	33 11 13 13-0857	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,262.66	498.47
	33 11 13 13-0858	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,837.67	530.94
	33 11 13 13-0859	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,547.58	584.47
	33 11 13 13-0860	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,177.03	652.05
	33 11 13 13-0861	EA		30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,543.54	752.97
	33 11 13 13-0862	EA		36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,546.46	480.04
	33 11 13 13-0863	EA		36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,927.85	490.57
	33 11 13 13-0864	EA		36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,256.45	500.23
	33 11 13 13-0865	EA		36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,643.67	515.14
	33 11 13 13-0866	EA		36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,093.03	535.33
	33 11 13 13-0867	EA		36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,612.62	567.80
	33 11 13 13-0868	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,271.24	622.21
	33 11 13 13-0869	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,470.46	688.90
	33 11 13 13-0870	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	42,654.51	789.83
	33 11 13 13-0871	EA		36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,944.77	827.57
	33 11 13 13-0872	EA		42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,208.16	522.17
	33 11 13 13-0873	EA		42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,979.15	536.20
	33 11 13 13-0874	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,414.14	557.27
	33 11 13 13-0875	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,011.72	589.74
	33 11 13 13-0876	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,095.15	644.15
	33 11 13 13-0877	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	42,439.52	710.84
	33 11 13 13-0878	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,653.41	811.77
	33 11 13 13-0879	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,871.29	848.63

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0880 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	72,802.65	870.57
33 11 13 13-0881 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	50,496.80	608.17
33 11 13 13-0882 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	50,818.36	622.21
33 11 13 13-0883 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	51,247.18	642.40
33 11 13 13-0884 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	51,697.00	674.87
33 11 13 13-0885 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	52,281.75	729.28
33 11 13 13-0886 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	53,331.15	795.97
33 11 13 13-0887 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	56,337.02	896.89
33 11 13 13-0888 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	69,349.30	934.63
33 11 13 13-0889 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	89,641.67	956.57
33 11 13 13-0890 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	95,423.22	1,041.70
33 11 13 13-0891 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 11 13 13-0891)		
33 11 13 13-0892 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	736.76	47.29
33 11 13 13-0893 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	975.80	53.64
33 11 13 13-0894 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,007.81	62.74
33 11 13 13-0895 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,205.07	57.04
33 11 13 13-0896 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,255.16	65.82
33 11 13 13-0897 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,302.94	71.96
33 11 13 13-0898 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,396.48	63.19
33 11 13 13-0899 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,543.05	71.96
33 11 13 13-0900 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,564.14	77.23
33 11 13 13-0901 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,632.12	83.37
33 11 13 13-0902 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,444.13	81.62
33 11 13 13-0903 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,452.91	86.88
33 11 13 13-0904 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,118.67	93.02
33 11 13 13-0905 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,158.22	98.29
33 11 13 13-0906 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,932.47	94.78
33 11 13 13-0907 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,836.59	100.93
33 11 13 13-0908 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,652.16	106.18
33 11 13 13-0909 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,613.73	111.45
33 11 13 13-0910 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,960.72	121.11
33 11 13 13-0911 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,168.54	122.87
33 11 13 13-0912 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,583.36	129.01
33 11 13 13-0913 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,411.54	134.27
33 11 13 13-0914 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,095.09	143.92
33 11 13 13-0915 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,555.27	157.97
33 11 13 13-0916 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,215.70	168.50
33 11 13 13-0917 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,244.71	173.76
33 11 13 13-0918 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,834.83	179.91
33 11 13 13-0919 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,822.67	189.56
33 11 13 13-0920 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,711.76	202.72
33 11 13 13-0921 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,404.90	225.54
33 11 13 13-0922 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,298.38	224.66
33 11 13 13-0923 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,370.35	234.32
33 11 13 13-0924 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,456.47	247.48
33 11 13 13-0925 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,347.18	270.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0926 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,164.49	315.06
33 11 13 13-0927 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,793.99	279.07
33 11 13 13-0928 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,199.82	301.89
33 11 13 13-0929 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,771.42	347.53
33 11 13 13-0930 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,185.35	392.28
33 11 13 13-0931 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,914.31	372.10
33 11 13 13-0932 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,933.65	416.85
33 11 13 13-0933 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,737.22	449.32
33 11 13 13-0934 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,336.40	318.56
33 11 13 13-0935 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,198.38	341.39
33 11 13 13-0936 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,203.01	386.14
33 11 13 13-0937 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,925.71	430.90
33 11 13 13-0938 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,173.31	463.37
33 11 13 13-0939 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,921.23	487.93
33 11 13 13-0940 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,428.89	340.50
33 11 13 13-0941 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	23,605.42	363.33
33 11 13 13-0942 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,356.13	408.08
33 11 13 13-0943 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,976.21	453.71
33 11 13 13-0944 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	27,590.79	485.31
33 11 13 13-0945 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	23,770.44	509.87
33 11 13 13-0946 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	26,180.40	523.92
33 11 13 13-0947 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 11 13 13-0538)</small>		
33 11 13 13-0948 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	478.14	88.21
33 11 13 13-0949 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	716.71	110.02
33 11 13 13-0950 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	980.63	125.49
33 11 13 13-0951 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,287.87	193.07
33 11 13 13-0952 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,653.08	210.63
33 11 13 13-0953 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,886.11	231.68
33 11 13 13-0954 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,317.09	257.13
33 11 13 13-0955 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,724.99	289.60
33 11 13 13-0956 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,302.79	330.85
33 11 13 13-0957 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,268.83	386.14
33 11 13 13-0958 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,956.74	463.37
33 11 13 13-0959 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	13,203.34	579.21
33 11 13 13-0960 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	19,153.87	695.05
33 11 13 13-0961 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	22,856.14	772.28
33 11 13 13-0962 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 11 13 13-0538)</small>		
33 11 13 13-0963 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	498.66	88.21
33 11 13 13-0964 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	770.07	110.02
33 11 13 13-0965 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,033.99	125.49
33 11 13 13-0966 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,593.65	193.07
33 11 13 13-0967 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,722.85	210.63
33 11 13 13-0968 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,331.44	231.68
33 11 13 13-0969 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,832.21	257.13
33 11 13 13-0970 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,383.75	289.60
33 11 13 13-0971 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,193.46	330.85
33 11 13 13-0972 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,537.12	386.14
33 11 13 13-0973 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	9,709.35	463.37
33 11 13 13-0974 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	14,293.08	579.21
33 11 13 13-0975 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	19,291.37	695.05
33 11 13 13-0976 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	25,772.37	772.28
33 11 13 13-0977 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 11 13 13-0538)</small>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0978 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	715.16	131.85
33 11 13 13-0979 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	999.14	165.49
33 11 13 13-0980 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,338.59	188.22
33 11 13 13-0981 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,973.87	289.60
33 11 13 13-0982 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,383.17	315.93
33 11 13 13-0983 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,173.95	347.53
33 11 13 13-0984 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,610.06	386.14
33 11 13 13-0985 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,799.61	434.41
33 11 13 13-0986 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,572.93	496.71
33 11 13 13-0987 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,765.47	579.21
33 11 13 13-0988 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,832.03	695.05
33 11 13 13-0989 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,801.65	868.81
33 11 13 13-0990 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	20,305.01	992.55
33 11 13 13-0991 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	25,302.58	1,158.41
33 11 13 13-0992 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 11 13 13-0538)</small>		
33 11 13 13-0993 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	684.38	131.85
33 11 13 13-0994 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,034.03	165.49
33 11 13 13-0995 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,432.99	188.22
33 11 13 13-0996 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,842.52	289.60
33 11 13 13-0997 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,260.03	315.93
33 11 13 13-0998 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,911.26	347.53
33 11 13 13-0999 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,470.51	386.14
33 11 13 13-1000 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,167.52	434.41
33 11 13 13-1001 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,860.80	496.71
33 11 13 13-1002 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,112.85	579.21
33 11 13 13-1003 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,493.41	695.05
33 11 13 13-1004 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,670.86	868.81
33 11 13 13-1005 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,918.59	991.68
33 11 13 13-1006 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	26,893.07	1,158.41
33 11 13 13-1007 Push-On Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small>		
33 11 13 13-1008 Push-On Joint Ductile Iron Pipe <small>(33 11 13 13-1007)</small>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 11 13 13-1009 LF 4" Push-On Joint Ductile Iron Pipe	21.07	7.51
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	6.80	
For Cement Mortar Lining (CML), Add	0.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.73	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.05	
For Class 51, Add	0.94	
For Class 52, Add	2.03	
For Class 53, Add	3.08	
For Class 54, Add	4.13	
For Class 55, Add	5.15	
For Class 56, Add	6.43	
33 11 13 13-1010 LF 6" Push-On Joint Ductile Iron Pipe	26.68	8.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.95	
For Cement Mortar Lining (CML), Add	1.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.33	
For Class 51, Add	1.33	
For Class 52, Add	2.87	
For Class 53, Add	4.35	
For Class 54, Add	5.84	
For Class 55, Add	7.28	
For Class 56, Add	9.10	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1011 LF 8" Push-On Joint Ductile Iron Pipe.....	33.78	9.09
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.10	
For Cement Mortar Lining (CML), Add	2.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.51	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.69	
For Class 51, Add	1.83	
For Class 52, Add	3.96	
For Class 53, Add	6.01	
For Class 54, Add	8.07	
For Class 55, Add	10.06	
For Class 56, Add	12.58	
33 11 13 13-1012 LF 10" Push-On Joint Ductile Iron Pipe.....	46.30	13.08
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.94	
For Cement Mortar Lining (CML), Add	2.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.99	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.32	
For Class 51, Add	2.44	
For Class 52, Add	5.27	
For Class 53, Add	7.99	
For Class 54, Add	10.73	
For Class 55, Add	13.38	
For Class 56, Add	16.73	
33 11 13 13-1013 LF 12" Push-On Joint Ductile Iron Pipe.....	55.78	14.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.92	
For Cement Mortar Lining (CML), Add	3.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.54	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.79	
For Class 51, Add	3.06	
For Class 52, Add	6.63	
For Class 53, Add	10.06	
For Class 54, Add	13.51	
For Class 55, Add	16.85	
For Class 56, Add	21.07	
33 11 13 13-1014 LF 14" Push-On Joint Ductile Iron Pipe.....	67.05	16.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.65	
For Cement Mortar Lining (CML), Add	4.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.18	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.35	
For Class 51, Add	3.80	
For Class 52, Add	8.23	
For Class 53, Add	12.49	
For Class 54, Add	16.78	
For Class 55, Add	20.93	
For Class 56, Add	26.18	
33 11 13 13-1015 LF 16" Push-On Joint Ductile Iron Pipe.....	78.01	18.61
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.43	
For Cement Mortar Lining (CML), Add	4.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.90	
For Class 51, Add	4.46	
For Class 52, Add	9.66	
For Class 53, Add	14.65	
For Class 54, Add	19.69	
For Class 55, Add	24.55	
For Class 56, Add	30.72	
33 11 13 13-1016 LF 18" Push-On Joint Ductile Iron Pipe.....	90.18	21.77
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.48	
For Cement Mortar Lining (CML), Add	5.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.30	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.51	
For Class 51, Add	5.13	
For Class 52, Add	11.11	
For Class 53, Add	16.86	
For Class 54, Add	22.65	
For Class 55, Add	28.25	
For Class 56, Add	35.34	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1017 LF 20" Push-On Joint Ductile Iron Pipe.....	104.82	26.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.83	
For Cement Mortar Lining (CML), Add	6.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.90	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.24	
For Class 51, Add	5.88	
For Class 52, Add	12.73	
For Class 53, Add	19.30	
For Class 54, Add	25.93	
For Class 55, Add	32.35	
For Class 56, Add	40.46	
33 11 13 13-1018 LF 24" Push-On Joint Ductile Iron Pipe.....	131.74	32.56
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.52	
For Cement Mortar Lining (CML), Add	8.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.17	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.59	
For Class 51, Add	7.41	
For Class 52, Add	16.03	
For Class 53, Add	24.32	
For Class 54, Add	32.66	
For Class 55, Add	40.74	
For Class 56, Add	50.96	
33 11 13 13-1019 LF 30" Push-On Joint Ductile Iron Pipe.....	160.12	34.76
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.31	
For Cement Mortar Lining (CML), Add	10.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.06	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.01	
For Class 51, Add	9.52	
For Class 52, Add	20.62	
For Class 53, Add	31.29	
For Class 54, Add	42.04	
For Class 55, Add	52.44	
For Class 56, Add	65.63	
33 11 13 13-1020 LF 36" Push-On Joint Ductile Iron Pipe.....	197.46	36.94
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	43.86	
For Cement Mortar Lining (CML), Add	14.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.61	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.87	
For Class 51, Add	12.36	
For Class 52, Add	26.82	
For Class 53, Add	40.70	
For Class 54, Add	54.68	
For Class 55, Add	68.20	
For Class 56, Add	85.40	
33 11 13 13-1021 LF 42" Push-On Joint Ductile Iron Pipe.....	239.63	39.14
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	55.92	
For Cement Mortar Lining (CML), Add	18.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.53	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.98	
For Class 51, Add	15.61	
For Class 52, Add	33.89	
For Class 53, Add	51.44	
For Class 54, Add	69.12	
For Class 55, Add	86.21	
For Class 56, Add	107.99	
33 11 13 13-1022 LF 48" Push-On Joint Ductile Iron Pipe.....	287.48	41.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	69.72	
For Cement Mortar Lining (CML), Add	22.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.87	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-14.37	
For Class 51, Add	19.33	
For Class 52, Add	41.97	
For Class 53, Add	63.71	
For Class 54, Add	85.60	
For Class 55, Add	106.77	
For Class 56, Add	133.79	



Utilities	33	CS
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1023 LF 54" Push-On Joint Ductile Iron Pipe.....	362.90	43.44
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	92.09	
For Cement Mortar Lining (CML), Add	29.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.28	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.15	
For Class 51, Add	25.32	
For Class 52, Add	55.02	
For Class 53, Add	83.52	
For Class 54, Add	112.23	
For Class 55, Add	139.98	
For Class 56, Add	175.46	
33 11 13 13-1024 Push-On Joint Ductile Iron 90 Degree Elbow <small>(33 11 13 13-1007)</small>		
33 11 13 13-1025 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	153.56	29.28
For Cement Mortar Lining (CML), Add	10.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.19	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1026 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	222.86	43.19
For Cement Mortar Lining (CML), Add	15.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.80	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1027 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	296.07	51.28
For Cement Mortar Lining (CML), Add	21.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1028 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	449.49	57.74
For Cement Mortar Lining (CML), Add	33.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1029 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	576.67	67.75
For Cement Mortar Lining (CML), Add	43.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1030 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,114.79	76.00
For Cement Mortar Lining (CML), Add	95.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.82	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1031 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron	1,260.66	86.88
For Cement Mortar Lining (CML), Add	108.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1032 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron	1,957.45	121.63
For Cement Mortar Lining (CML), Add	170.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.96	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1033 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron	2,207.07	153.31
For Cement Mortar Lining (CML), Add	190.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.54	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1034 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron	2,755.95	191.67
For Cement Mortar Lining (CML), Add	237.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1035 Push-On Joint Ductile Iron 45 Degree Elbow <small>(33 11 13 13-1007)</small>		
33 11 13 13-1036 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron	128.74	29.28
For Cement Mortar Lining (CML), Add	8.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1037 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron	189.48	43.19
For Cement Mortar Lining (CML), Add	12.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.30	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1038 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron	260.15	51.28
For Cement Mortar Lining (CML), Add	18.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.68	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1039 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	399.90 28.05 21.03	57.74
33 11 13 13-1040 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	513.49 37.35 28.01	67.75
33 11 13 13-1041 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	720.21 56.31 42.23	76.00
33 11 13 13-1042 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,054.05 87.45 65.59	86.88
33 11 13 13-1043 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,222.45 97.11 72.84	121.63
33 11 13 13-1044 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,703.84 139.72 104.79	153.31
33 11 13 13-1045 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,115.00 173.18 129.88	191.67
33 11 13 13-1046 Push-On Joint Ductile Iron Tee (33 11 13 13-1007)		
33 11 13 13-1047 EA 4" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	234.30 16.88 12.66	43.19
33 11 13 13-1048 EA 6" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	327.21 23.10 17.33	63.47
33 11 13 13-1049 EA 8" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	444.17 32.75 24.56	76.93
33 11 13 13-1050 EA 10" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	646.99 51.54 38.65	87.76
33 11 13 13-1051 EA 12" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	803.48 64.99 48.74	101.19
33 11 13 13-1052 EA 14" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,280.57 109.63 82.22	121.63
33 11 13 13-1053 EA 16" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,843.27 161.29 120.97	152.09
33 11 13 13-1054 EA 18" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,320.60 201.32 150.99	202.90
33 11 13 13-1055 EA 20" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,737.38 236.23 177.17	247.57



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Piping	33 11

CS

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-1056	EA	24" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,580.49 311.17 233.38	309.44
33 11 13 13-1057 Flanged End x Push-On Joint Ductile Iron Adapters (33 11 13 13-1007)					
33 11 13	13-1058	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	416.66 26.28 19.71	101.57
33 11 13	13-1059	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	509.04 31.85 23.89	125.76
33 11 13	13-1060	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	680.14 45.79 34.34	146.67
33 11 13	13-1061	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	926.32 59.72 44.79	217.20
33 11 13	13-1062	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,132.60 75.65 56.74	248.27
33 11 13	13-1063	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,320.79 91.58 68.68	267.31
33 11 13	13-1064	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,593.43 115.46 86.60	289.60
33 11 13	13-1065	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,880.27 135.37 101.53	347.53
33 11 13	13-1066	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,197.57 161.25 120.94	386.14
33 11 13	13-1067	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,785.26 211.02 158.27	445.56
33 11 13	13-1068	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,597.30 378.72 284.04	534.62
33 11 13	13-1069	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,416.32 540.37 405.28	668.28
33 11 13	13-1070	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,167.23 699.71 524.78	772.28
33 11 13	13-1071	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,418.25 891.38 668.54	992.91
33 11 13	13-1072	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,695.27 1,093.96 820.47	1,158.69

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1073			Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 11 13 13-1007) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 11 13 13-1074	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	33.19	11.01
33 11 13 13-1075	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	36.78	11.01
33 11 13 13-1076	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	49.60	15.80
33 11 13 13-1077	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	59.47	17.38
33 11 13 13-1078	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	70.59	19.31
33 11 13 13-1079	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	88.82	21.68
33 11 13 13-1080	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	104.70	24.84
33 11 13 13-1081	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	121.02	28.96
33 11 13 13-1082	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	141.33	34.76
33 11 13 13-1083	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	166.67	34.76
33 11 13 13-1084	EA		30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	220.23	43.44
33 11 13 13-1085	EA		36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	279.08	43.44
33 11 13 13-1086	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	359.19	57.92
33 11 13 13-1087	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	411.48	57.92
33 11 13 13-1088	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	556.21	57.92
33 11 13 13-1089			Push-On Joint Ductile Iron Bell Restraint Harness (Megalug 1700) (33 11 13 13-1007)		
33 11 13 13-1090	EA		4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	165.78	59.23
33 11 13 13-1091	EA		6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	215.96	72.31
33 11 13 13-1092	EA		8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	275.93	88.20
33 11 13 13-1093	EA		10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	404.94	107.59
33 11 13 13-1094	EA		12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	501.34	131.20
33 11 13 13-1095	EA		14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	835.70	160.07
33 11 13 13-1096	EA		16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	959.54	195.35
33 11 13 13-1097	EA		18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,096.54	238.26
33 11 13 13-1098	EA		20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,476.04	290.74
33 11 13 13-1099	EA		24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,875.75	354.64
33 11 13 13-1100	EA		30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	3,159.66	432.74
33 11 13 13-1101	EA		36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	4,445.87	527.87
33 11 13 13-1102	EA		42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	7,939.38	644.06
33 11 13 13-1103	EA		48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	10,250.53	785.70
33 11 13 13-1104			Ductile Iron Pipe Repair (33 11 13 13-0001) See CSI section 33 11 13 13-0002 for mechanical joint fittings.		
33 11 13 13-1105			Ductile Iron Pipe Repair (33 11 13 13-1104) Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 11 13 13-1106	EA		30" Diameter Mechanical Ductile Iron Push Joint	2,409.85	
33 11 13 13-1107	EA		36" Diameter Mechanical Ductile Iron Push Joint	3,046.72	
33 11 13 13-1108	EA		42" Diameter Mechanical Ductile Iron Push Joint	3,828.75	
33 11 13 13-1109	EA		48" Diameter Mechanical Ductile Iron Push Joint	4,798.82	
33 11 13 13-1110	EA		54" Diameter Mechanical Ductile Iron Push Joint	6,919.87	
33 11 13 13-1111			WEKO Seals (33 11 13 13-1104) Note: Internal joint seal.		
33 11 13 13-1112	EA		16" WEKO Internal Joint Seal	1,311.17	168.48
			For Extra Wide Seals, Add	82.76	
33 11 13 13-1113	EA		18" WEKO Internal Joint Seal	1,396.41	177.90
			For Extra Wide Seals, Add	83.48	
33 11 13 13-1114	EA		20" WEKO Internal Joint Seal	1,481.51	187.33
			For Extra Wide Seals, Add	84.19	
33 11 13 13-1115	EA		24" WEKO Internal Joint Seal	1,570.75	202.32
			For Extra Wide Seals, Add	85.33	
33 11 13 13-1116	EA		30" WEKO Internal Joint Seal	1,624.03	217.30
			For Extra Wide Seals, Add	86.46	
33 11 13 13-1117	EA		36" WEKO Internal Joint Seal	1,706.35	236.04
			For Extra Wide Seals, Add	87.88	
33 11 13 13-1118	EA		42" WEKO Internal Joint Seal	1,821.34	258.52
			For Extra Wide Seals, Add	89.58	
33 11 13 13-1119	EA		48" WEKO Internal Joint Seal	1,966.61	277.25
			For Extra Wide Seals, Add	91.00	
33 11 13 13-1120	EA		54" WEKO Internal Joint Seal	2,041.47	292.24
			For Extra Wide Seals, Add	92.14	
33 11 13 13-1121	EA		60" WEKO Internal Joint Seal	2,131.28	314.72
			For Extra Wide Seals, Add	93.84	
33 11 13 23			Plastic Public Water Utility Distribution Piping (33 11 13)		
33 11 13 23-0001			AWWA C900 / C905 Polyvinyl Chloride (PVC) Pipe (33 11 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 11 13 23-0002			AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0003	LF		4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	12.99	6.50
33 11 13 23-0004	LF		6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	16.67	7.53
33 11 13 23-0005	LF		8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	21.48	8.72
33 11 13 23-0006	LF		10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	25.52	9.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0007 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	30.39	9.49
33 11 13 23-0008 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0009 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	13.67	6.50
33 11 13 23-0010 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	18.07	7.53
33 11 13 23-0011 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	23.84	8.72
33 11 13 23-0012 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	29.18	9.15
33 11 13 23-0013 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	35.50	9.49
33 11 13 23-0014 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0015 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	14.33	6.50
33 11 13 23-0016 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	19.45	7.53
33 11 13 23-0017 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	26.20	8.72
33 11 13 23-0018 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	32.77	9.15
33 11 13 23-0019 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	40.61	9.49
33 11 13 23-0020 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0021 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	36.05	11.96
33 11 13 23-0022 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	41.55	12.99
33 11 13 23-0023 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	51.83	14.37
33 11 13 23-0024 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	72.72	17.53
33 11 13 23-0025 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	94.00	18.56
33 11 13 23-0026 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	116.38	20.09
33 11 13 23-0027 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	145.74	22.58
33 11 13 23-0028 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0029 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	29.00	10.26
33 11 13 23-0030 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	34.23	11.11
33 11 13 23-0031 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	39.59	11.96
33 11 13 23-0032 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	46.15	12.99
33 11 13 23-0033 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	58.92	14.37
33 11 13 23-0034 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	82.90	17.53
33 11 13 23-0035 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	107.63	18.56
33 11 13 23-0036 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	139.05	20.09
33 11 13 23-0037 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	175.16	22.58
33 11 13 23-0038 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0039 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	31.73	10.26
33 11 13 23-0040 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	38.02	11.11
33 11 13 23-0041 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	44.29	11.96
33 11 13 23-0042 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	52.25	12.99
33 11 13 23-0043 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	67.68	14.37
33 11 13 23-0044 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	96.06	17.53
33 11 13 23-0045 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	126.84	18.56
33 11 13 23-0046 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	161.81	20.09
33 11 13 23-0047 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	204.85	22.58
33 11 13 23-0048 AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0049 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	36.39	10.26
33 11 13 23-0050 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	43.56	11.11
33 11 13 23-0051 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	51.42	11.96
33 11 13 23-0052 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	60.86	12.99
33 11 13 23-0053 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	80.10	14.37
33 11 13 23-0054 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	115.54	17.53
33 11 13 23-0055 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	156.80	18.56
33 11 13 23-0056 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	205.74	20.09
33 11 13 23-0057 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	263.80	22.58
33 11 13 23-0058 AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0059 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	39.89	10.26
33 11 13 23-0060 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	48.11	11.11
33 11 13 23-0061 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	57.17	11.96
33 11 13 23-0062 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	68.02	12.99
33 11 13 23-0063 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	90.39	14.37
33 11 13 23-0064 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	131.38	17.53
33 11 13 23-0065 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	179.94	18.56
33 11 13 23-0066 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe.....	237.47	20.09
33 11 13 23-0067 AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0001)		
33 11 13 23-0068 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe.....	43.30	10.26
33 11 13 23-0069 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe.....	52.55	11.11

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0070 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	62.76	11.96
33 11 13 23-0071 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	74.99	12.99
33 11 13 23-0072 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	100.41	14.37
33 11 13 23-0073 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	146.80	17.53
33 11 13 23-0074 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	202.47	18.56
33 11 13 23-0075 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 11 13 23) Note: Includes rubber gaskets.		
33 11 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0075)		
33 11 13 23-0077 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	106.77	10.95
For DR 25, Deduct	-5.09	
33 11 13 23-0078 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	209.89	12.32
For DR 25, Deduct	-11.12	
33 11 13 23-0079 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	311.12	13.68
For DR 25, Deduct	-17.03	
33 11 13 23-0080 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	476.66	22.15
For DR 25, Deduct	-25.94	
33 11 13 23-0081 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	545.47	36.91
For DR 25, Deduct	-28.30	
33 11 13 23-0082 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	934.08	46.14
For DR 25, Deduct	-50.51	
33 11 13 23-0083 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,115.00	55.37
For DR 25, Deduct	-60.25	
33 11 13 23-0084 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,894.61	73.83
For DR 25, Deduct	-104.82	
33 11 13 23-0085 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,333.56	92.28
For DR 25, Deduct	-128.94	
33 11 13 23-0086 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,848.49	124.58
For DR 25, Deduct	-215.96	
33 11 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0075)		
33 11 13 23-0088 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	95.67	10.95
For DR 25, Deduct	-4.43	
33 11 13 23-0089 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	159.63	12.32
For DR 25, Deduct	-8.10	
33 11 13 23-0090 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	200.62	13.68
For DR 25, Deduct	-10.40	
33 11 13 23-0091 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	286.64	22.15
For DR 25, Deduct	-14.54	
33 11 13 23-0092 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	389.69	36.91
For DR 25, Deduct	-18.95	
33 11 13 23-0093 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	727.27	46.14
For DR 25, Deduct	-38.10	
33 11 13 23-0094 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	919.06	55.37
For DR 25, Deduct	-48.50	
33 11 13 23-0095 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,567.01	73.83
For DR 25, Deduct	-85.16	
33 11 13 23-0096 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,946.82	92.28
For DR 25, Deduct	-105.74	
33 11 13 23-0097 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,742.39	124.58
For DR 25, Deduct	-149.59	
33 11 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0075)		
33 11 13 23-0099 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	94.33	10.95
For DR 25, Deduct	-4.35	
33 11 13 23-0100 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	159.63	12.32
For DR 25, Deduct	-8.10	
33 11 13 23-0101 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	200.63	13.68
For DR 25, Deduct	-10.40	
33 11 13 23-0102 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	286.65	22.15
For DR 25, Deduct	-14.54	
33 11 13 23-0103 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	389.69	36.91
For DR 25, Deduct	-18.95	
33 11 13 23-0104 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	723.56	44.29
For DR 25, Deduct	-38.10	
33 11 13 23-0105 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	919.04	55.37
For DR 25, Deduct	-48.50	
33 11 13 23-0106 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,567.01	73.83
For DR 25, Deduct	-85.16	
33 11 13 23-0107 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,946.82	92.28
For DR 25, Deduct	-105.74	
33 11 13 23-0108 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,742.39	124.58
For DR 25, Deduct	-149.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0110 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	84.41	10.95
For DR 25, Deduct	-3.75	
33 11 13 23-0111 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	159.63	12.32
For DR 25, Deduct	-8.10	
33 11 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	200.63	13.68
For DR 25, Deduct	-10.40	
33 11 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	286.65	22.15
For DR 25, Deduct	-14.54	
33 11 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	389.69	36.91
For DR 25, Deduct	-18.95	
33 11 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	723.56	44.29
For DR 25, Deduct	-38.10	
33 11 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	919.04	55.37
For DR 25, Deduct	-48.50	
33 11 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,567.01	73.83
For DR 25, Deduct	-85.16	
33 11 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,946.82	92.28
For DR 25, Deduct	-105.74	
33 11 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,742.39	124.58
For DR 25, Deduct	-149.59	
33 11 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	126.29	12.32
For DR 25, Deduct	-6.10	
33 11 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	235.19	13.68
For DR 25, Deduct	-12.47	
33 11 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	325.10	15.51
For DR 25, Deduct	-17.64	
33 11 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	667.19	27.69
For DR 25, Deduct	-36.71	
33 11 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	833.38	55.37
For DR 25, Deduct	-43.36	
33 11 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,477.93	69.21
For DR 25, Deduct	-80.37	
33 11 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,828.24	83.06
For DR 25, Deduct	-99.73	
33 11 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,312.04	110.74
For DR 25, Deduct	-125.43	
33 11 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,781.28	138.42
For DR 25, Deduct	-150.27	
33 11 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,731.18	94.13
For DR 25, Deduct	-212.58	
33 11 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	237.78	17.79
For DR 25, Deduct	-12.13	
33 11 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	319.07	19.16
For DR 25, Deduct	-16.85	
33 11 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	327.24	19.84
For DR 25, Deduct	-17.25	
33 11 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,110.03	27.69
For DR 25, Deduct	-183.28	
33 11 13 23-0136 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	570.11	28.38
For DR 25, Deduct	-30.80	
33 11 13 23-0137 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	608.76	29.07
For DR 25, Deduct	-33.04	
33 11 13 23-0138 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	655.67	42.45
For DR 25, Deduct	-34.25	
33 11 13 23-0139 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	747.71	43.14
For DR 25, Deduct	-39.69	
33 11 13 23-0140 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	791.52	43.84
For DR 25, Deduct	-42.23	
33 11 13 23-0141 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	809.37	47.99
For DR 25, Deduct	-42.80	
33 11 13 23-0142 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,208.83	49.83
For DR 25, Deduct	-66.55	
33 11 13 23-0143 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,256.29	50.53
For DR 25, Deduct	-69.31	
33 11 13 23-0144 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,303.88	51.21
For DR 25, Deduct	-72.09	
33 11 13 23-0145 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,358.10	55.37
For DR 25, Deduct	-74.84	
33 11 13 23-0146 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,418.98	62.75
For DR 25, Deduct	-77.61	
33 11 13 23-0147 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,507.44	60.90
For DR 25, Deduct	-83.14	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0148	EA		16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,553.50	60.90
			<i>For DR 25, Deduct</i>	-85.90	
33 11 13 23-0149	EA		16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,600.97	61.60
			<i>For DR 25, Deduct</i>	-88.67	
33 11 13 23-0150	EA		16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,648.44	62.29
			<i>For DR 25, Deduct</i>	-91.43	
33 11 13 23-0151	EA		16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,717.58	73.83
			<i>For DR 25, Deduct</i>	-94.20	
33 11 13 23-0152	EA		16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,771.05	77.52
			<i>For DR 25, Deduct</i>	-96.96	
33 11 13 23-0153	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,866.56	79.37
			<i>For DR 25, Deduct</i>	-102.47	
33 11 13 23-0154	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,914.35	80.05
			<i>For DR 25, Deduct</i>	-105.25	
33 11 13 23-0155	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,961.81	80.75
			<i>For DR 25, Deduct</i>	-108.02	
33 11 13 23-0156	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,016.20	84.90
			<i>For DR 25, Deduct</i>	-110.78	
33 11 13 23-0157	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,077.02	92.28
			<i>For DR 25, Deduct</i>	-113.55	
33 11 13 23-0158	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,130.17	95.97
			<i>For DR 25, Deduct</i>	-116.29	
33 11 13 23-0159	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,198.47	101.51
			<i>For DR 25, Deduct</i>	-119.73	
33 11 13 23-0160	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,364.88	97.82
			<i>For DR 25, Deduct</i>	-130.15	
33 11 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,444.94	98.52
			<i>For DR 25, Deduct</i>	-134.88	
33 11 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,476.83	99.20
			<i>For DR 25, Deduct</i>	-136.71	
33 11 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,515.67	103.36
			<i>For DR 25, Deduct</i>	-138.54	
33 11 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,560.96	110.74
			<i>For DR 25, Deduct</i>	-140.37	
33 11 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,617.81	114.43
			<i>For DR 25, Deduct</i>	-143.34	
33 11 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,678.37	119.97
			<i>For DR 25, Deduct</i>	-146.31	
33 11 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,729.81	129.20
			<i>For DR 25, Deduct</i>	-148.29	
33 11 13 23-0168	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,797.66	130.12
			<i>For DR 25, Deduct</i>	-152.25	
33 11 13 23-0169	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,832.06	130.81
			<i>For DR 25, Deduct</i>	-154.23	
33 11 13 23-0170	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,866.44	131.50
			<i>For DR 25, Deduct</i>	-156.21	
33 11 13 23-0171	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,008.96	135.65
			<i>For DR 25, Deduct</i>	-164.26	
33 11 13 23-0172	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,157.92	143.04
			<i>For DR 25, Deduct</i>	-172.31	
33 11 13 23-0173	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,299.52	146.73
			<i>For DR 25, Deduct</i>	-180.36	
33 11 13 23-0174	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,444.80	152.27
			<i>For DR 25, Deduct</i>	-188.42	
33 11 13 23-0175	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,597.49	161.49
			<i>For DR 25, Deduct</i>	-196.47	
33 11 13 23-0176	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,750.15	170.73
			<i>For DR 25, Deduct</i>	-204.52	
33 11 13 23-0177			Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0178	EA		4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	179.33	21.89
			<i>For DR 25, Deduct</i>	-8.13	
33 11 13 23-0179	EA		6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	309.39	24.63
			<i>For DR 25, Deduct</i>	-15.61	
33 11 13 23-0180	EA		8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	422.51	27.37
			<i>For DR 25, Deduct</i>	-22.07	
33 11 13 23-0181	EA		10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	853.04	44.29
			<i>For DR 25, Deduct</i>	-45.87	
33 11 13 23-0182	EA		12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,014.25	55.37
			<i>For DR 25, Deduct</i>	-54.21	
33 11 13 23-0183	EA		14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,822.14	73.83
			<i>For DR 25, Deduct</i>	-100.47	
33 11 13 23-0184	EA		16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,261.81	92.28
			<i>For DR 25, Deduct</i>	-124.64	
33 11 13 23-0185	EA		18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,908.90	147.65
			<i>For DR 25, Deduct</i>	-156.82	
33 11 13 23-0186	EA		20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,499.72	184.56
			<i>For DR 25, Deduct</i>	-187.83	
33 11 13 23-0187	EA		24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,926.71	249.17
			<i>For DR 25, Deduct</i>	-265.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0189 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	299.47	23.27
For DR 25, Deduct	-15.18	
33 11 13 23-0190 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	400.64	24.63
For DR 25, Deduct	-21.08	
33 11 13 23-0191 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	411.53	25.99
For DR 25, Deduct	-21.57	
33 11 13 23-0192 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	612.88	33.23
For DR 25, Deduct	-32.79	
33 11 13 23-0193 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	710.99	34.61
For DR 25, Deduct	-38.51	
33 11 13 23-0194 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	779.26	36.00
For DR 25, Deduct	-42.44	
33 11 13 23-0195 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	809.66	47.99
For DR 25, Deduct	-42.82	
33 11 13 23-0196 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	925.48	49.37
For DR 25, Deduct	-49.60	
33 11 13 23-0197 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	981.31	50.76
For DR 25, Deduct	-52.79	
33 11 13 23-0198 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,009.80	59.07
For DR 25, Deduct	-53.50	
33 11 13 23-0199 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,497.19	55.37
For DR 25, Deduct	-83.19	
33 11 13 23-0200 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,557.38	56.75
For DR 25, Deduct	-86.63	
33 11 13 23-0201 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,618.21	58.14
For DR 25, Deduct	-90.12	
33 11 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,692.63	66.44
For DR 25, Deduct	-93.59	
33 11 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,779.55	81.21
For DR 25, Deduct	-97.03	
33 11 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,864.64	66.44
For DR 25, Deduct	-103.91	
33 11 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,925.61	67.83
For DR 25, Deduct	-107.40	
33 11 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,985.95	69.21
For DR 25, Deduct	-110.85	
33 11 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,060.33	77.52
For DR 25, Deduct	-114.32	
33 11 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,106.21	92.28
For DR 25, Deduct	-115.30	
33 11 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,219.52	99.67
For DR 25, Deduct	-121.21	
33 11 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,304.89	84.90
For DR 25, Deduct	-128.11	
33 11 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,365.72	86.29
For DR 25, Deduct	-131.59	
33 11 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,426.15	87.67
For DR 25, Deduct	-135.05	
33 11 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,499.66	95.97
For DR 25, Deduct	-138.46	
33 11 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,587.25	110.74
For DR 25, Deduct	-141.95	
33 11 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,659.40	118.12
For DR 25, Deduct	-145.39	
33 11 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,752.96	129.20
For DR 25, Deduct	-149.67	
33 11 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,918.53	103.36
For DR 25, Deduct	-162.71	
33 11 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,019.49	104.74
For DR 25, Deduct	-168.60	
33 11 13 23-0219 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,060.67	106.13
For DR 25, Deduct	-170.91	
33 11 13 23-0220 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,115.28	114.43
For DR 25, Deduct	-173.19	
33 11 13 23-0221 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,182.82	129.20
For DR 25, Deduct	-175.47	
33 11 13 23-0222 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,259.00	136.58
For DR 25, Deduct	-179.15	
33 11 13 23-0223 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,343.79	147.65
For DR 25, Deduct	-182.91	
33 11 13 23-0224 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,421.84	166.11
For DR 25, Deduct	-185.38	
33 11 13 23-0225 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,424.77	135.65
For DR 25, Deduct	-189.21	
33 11 13 23-0226 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,487.32	137.04
For DR 25, Deduct	-192.79	
33 11 13 23-0227 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,531.51	138.42
For DR 25, Deduct	-195.28	
33 11 13 23-0228 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,715.69	146.73
For DR 25, Deduct	-205.33	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,912.86	161.49
			<i>For DR 25, Deduct</i>	-215.39	
33 11 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,095.22	168.88
			<i>For DR 25, Deduct</i>	-225.45	
33 11 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,285.68	179.96
			<i>For DR 25, Deduct</i>	-235.55	
33 11 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,489.82	198.41
			<i>For DR 25, Deduct</i>	-245.58	
33 11 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,694.70	216.87
			<i>For DR 25, Deduct</i>	-255.66	
33 11 13 23-0234			Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	67.60	10.95
			<i>For DR 25, Deduct</i>	-2.74	
33 11 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	118.97	12.32
			<i>For DR 25, Deduct</i>	-5.66	
33 11 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	142.21	13.68
			<i>For DR 25, Deduct</i>	-6.89	
33 11 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	204.96	22.15
			<i>For DR 25, Deduct</i>	-9.64	
33 11 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	319.34	27.69
			<i>For DR 25, Deduct</i>	-15.84	
33 11 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	544.22	36.91
			<i>For DR 25, Deduct</i>	-28.22	
33 11 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	646.81	46.14
			<i>For DR 25, Deduct</i>	-33.27	
33 11 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,516.04	73.83
			<i>For DR 25, Deduct</i>	-82.10	
33 11 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,708.00	92.28
			<i>For DR 25, Deduct</i>	-91.41	
33 11 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,400.18	124.58
			<i>For DR 25, Deduct</i>	-129.06	
33 11 13 23-0245			Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0075)</small>		
33 11 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	81.51	10.95
			<i>For DR 25, Deduct</i>	-3.58	
33 11 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	108.53	12.32
			<i>For DR 25, Deduct</i>	-5.03	
33 11 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	154.11	13.68
			<i>For DR 25, Deduct</i>	-7.60	
33 11 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	214.22	22.15
			<i>For DR 25, Deduct</i>	-10.20	
33 11 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	344.56	36.91
			<i>For DR 25, Deduct</i>	-16.24	
33 11 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	867.09	44.29
			<i>For DR 25, Deduct</i>	-46.71	
33 11 13 23-0252	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,169.69	55.37
			<i>For DR 25, Deduct</i>	-63.54	
33 11 13 23-0253	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,446.18	73.83
			<i>For DR 25, Deduct</i>	-77.91	
33 11 13 23-0254	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,731.39	92.28
			<i>For DR 25, Deduct</i>	-92.81	
33 11 13 23-0255	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,351.36	124.58
			<i>For DR 25, Deduct</i>	-126.13	
33 11 13 23-0256			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 11 13 23)</small>		
33 11 13 23-0257			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 11 13 23-0256)</small>		
33 11 13 23-0258	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.98	0.73
			<i>For >1,000, Deduct</i>	-0.10	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.02	
33 11 13 23-0259	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.16	0.79
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.03	
33 11 13 23-0260	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.45	0.86
			<i>For >1,000, Deduct</i>	-0.12	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 11 13 23-0261	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.79	0.95
			<i>For >1,000, Deduct</i>	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 11 13 23-0262	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.43	1.06
			<i>For >1,000, Deduct</i>	-0.17	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.12	
33 11 13 23-0263	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.25	1.20
			<i>For >1,000, Deduct</i>	-0.21	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 11 13 23-0264	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.98	1.32
			<i>For >1,000, Deduct</i>	-0.25	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0265 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	6.83 -0.34	1.62
33 11 13 23-0266 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	11.19 -0.56	2.07
33 11 13 23-0267 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	17.61 -0.88	2.96
33 11 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	25.77 -1.29	3.95
33 11 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i>	35.68 -1.78	5.31
33 11 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0256)		
33 11 13 23-0271 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.06	8.76
33 11 13 23-0272 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.80	10.95
33 11 13 23-0273 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.89	13.68
33 11 13 23-0274 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	46.69	15.14
33 11 13 23-0275 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	51.07	16.97
33 11 13 23-0276 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	59.63	19.25
33 11 13 23-0277 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	65.66	21.13
33 11 13 23-0278 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	87.72	25.95
33 11 13 23-0279 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	121.81	32.97
33 11 13 23-0280 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	186.82	43.28
33 11 13 23-0281 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	234.53	57.90
33 11 13 23-0282 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	311.44	77.94
33 11 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0256)		
33 11 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.29	8.76
33 11 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	27.97	10.95
33 11 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.99	13.68
33 11 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	43.61	15.14
33 11 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	51.36	16.97
33 11 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	60.80	19.25
33 11 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	65.17	21.13
33 11 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	86.66	25.95
33 11 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	119.67	32.97
33 11 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	182.73	43.28
33 11 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	217.60	57.90
33 11 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	288.01	77.94
33 11 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0256)		
33 11 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.08	13.13
33 11 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.65	16.51
33 11 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	52.13	20.62
33 11 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	66.24	22.80
33 11 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	74.86	25.36
33 11 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	86.43	28.91
33 11 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	99.80	31.62
33 11 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	128.43	38.96
33 11 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	197.52	49.53
33 11 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	286.53	64.92
33 11 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	362.28	94.77
33 11 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	462.77	127.53
33 11 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0256)		
33 11 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	14.75	5.84
33 11 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	19.86	7.85
33 11 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.33	10.30
33 11 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.61	11.41
33 11 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	37.21	12.68
33 11 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	42.34	14.42
33 11 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	47.32	15.81
33 11 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	62.67	19.44
33 11 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	86.44	24.77
33 11 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	137.10	32.45
33 11 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	174.51	47.44
33 11 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	226.03	63.77
33 11 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 11 13 23)		
33 11 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0322)		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.10 -0.11	0.73
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04	
33 11 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	2.38 -0.12	0.79
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 11 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	3.00 -0.15	0.95
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.09	
33 11 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	3.51 -0.18	1.06
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.13	
33 11 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	4.38 -0.22	1.20
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.21	
33 11 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	5.06 -0.25	1.32
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.27	
33 11 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	6.61 -0.33	1.62
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.38	
33 11 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	9.61 -0.48	2.07
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.67	
33 11 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0322)		
33 11 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.14	8.76
33 11 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.85	10.95
33 11 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	38.63	15.14
33 11 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	43.41	16.97
33 11 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	51.02	19.25
33 11 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	56.24	21.13
33 11 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	71.96	25.95
33 11 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	104.93	32.97
33 11 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0322)		
33 11 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.12	8.76
33 11 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.83	10.95
33 11 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	38.63	15.14
33 11 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	43.33	16.97
33 11 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	50.80	19.25
33 11 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	55.99	21.13
33 11 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	71.44	25.95
33 11 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	103.27	32.97
33 11 13 23-0350 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0322)		
33 11 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	33.17	13.13
33 11 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	41.72	16.51
33 11 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	57.83	22.80
33 11 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	64.83	25.36
33 11 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	76.66	28.91
33 11 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	85.42	31.62
33 11 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	105.81	38.96
33 11 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	158.99	49.53
33 11 13 23-0359 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0322)		
33 11 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	14.79	5.84
33 11 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	19.90	7.85
33 11 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	28.86	11.41
33 11 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	32.40	12.68
33 11 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	37.56	14.42
33 11 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	41.79	15.81
33 11 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	51.64	19.44
33 11 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	72.11	24.77
33 11 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0322)		
33 11 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	44.30	17.52
33 11 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	55.57	21.98
33 11 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	77.11	30.38
33 11 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	86.43	33.84
33 11 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	102.18	38.50
33 11 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	113.85	42.18
33 11 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	141.04	51.90
33 11 13 23-0376 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	211.77	66.02



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0377	Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 11 13 23)</small>			
33 11 13 23-0378	Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0377)</small>			
33 11 13 23-0379	LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		2.51 -0.13	0.79
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.08	
33 11 13 23-0380	LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		3.26 -0.16	0.95
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.13	
33 11 13 23-0381	LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		3.95 -0.20	1.06
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.20	
33 11 13 23-0382	LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		4.94 -0.25	1.20
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.29	
33 11 13 23-0383	LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		5.86 -0.29	1.32
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.39	
33 11 13 23-0384	LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		7.83 -0.39	1.62
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		0.57	
33 11 13 23-0385	LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>		12.33 -0.62	2.07
	<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>		1.08	
33 11 13 23-0386	90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0377)</small>			
33 11 13 23-0387	EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)		28.52	10.95
33 11 13 23-0388	EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)		38.63	15.14
33 11 13 23-0389	EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)		44.09	16.97
33 11 13 23-0390	EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)		52.46	19.25
33 11 13 23-0391	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow		57.58	21.13
33 11 13 23-0392	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow		72.28	25.95
33 11 13 23-0393	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow		103.41	32.97
33 11 13 23-0394	45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0377)</small>			
33 11 13 23-0395	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		31.29	10.95
33 11 13 23-0396	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		41.29	15.14
33 11 13 23-0397	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		46.65	16.97
33 11 13 23-0398	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		57.27	19.25
33 11 13 23-0399	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		63.84	21.13
33 11 13 23-0400	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		84.87	25.95
33 11 13 23-0401	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow		102.57	32.97
33 11 13 23-0402	Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0377)</small>			
33 11 13 23-0403	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		43.14	16.51
33 11 13 23-0404	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		62.14	22.80
33 11 13 23-0405	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		69.96	25.36
33 11 13 23-0406	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		79.37	28.91
33 11 13 23-0407	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		88.01	31.62
33 11 13 23-0408	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		107.68	38.96
33 11 13 23-0409	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes		158.92	49.53
33 11 13 23-0410	Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0377)</small>			
33 11 13 23-0411	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling		20.91	7.85
33 11 13 23-0412	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		30.60	11.41
33 11 13 23-0413	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		34.04	12.68
33 11 13 23-0414	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		41.77	14.42
33 11 13 23-0415	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling		46.02	15.81
33 11 13 23-0416	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling		56.79	19.44
33 11 13 23-0417	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling		79.30	24.77
33 11 13 23-0418	Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0377)</small>			
33 11 13 23-0419	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross		57.45	21.98
33 11 13 23-0420	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross		82.82	30.38
33 11 13 23-0421	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross		93.24	33.84
33 11 13 23-0422	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross		105.79	38.50
33 11 13 23-0423	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross		117.30	42.18
33 11 13 23-0424	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross		143.53	51.90
33 11 13 23-0425	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross		211.68	66.02
33 11 13 23-0426	AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 11 13 23)</small> Note: ASTM D3350 pipe, ASTM D2657 heat fusion.			
33 11 13 23-0427	High Density Polyethylene (HDPE) Pressure Pipe <small>(33 11 13 23-0426)</small>			

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0428 LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.82	4.00
For DR 19 (89 PSI), Add	0.08	
For DR 17 (100 PSI), Add	0.19	
For DR 15.5 (110 PSI), Add	0.28	
For DR 13.5 (128 PSI), Add	0.44	
For DR 11 (160 PSI), Add	0.70	
33 11 13 23-0429 LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.10	4.34
For DR 26 (65 PSI), Deduct	-0.38	
For DR 19 (89 PSI), Add	0.19	
For DR 17 (100 PSI), Add	0.46	
For DR 15.5 (110 PSI), Add	0.67	
For DR 13.5 (128 PSI), Add	1.05	
For DR 11 (160 PSI), Add	1.69	
33 11 13 23-0430 LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	18.45	4.65
For DR 26 (65 PSI), Deduct	-0.82	
For DR 19 (89 PSI), Add	0.40	
For DR 17 (100 PSI), Add	1.00	
For DR 15.5 (110 PSI), Add	1.46	
For DR 13.5 (128 PSI), Add	2.28	
For DR 11 (160 PSI), Add	3.66	
33 11 13 23-0431 LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	22.19	4.87
For DR 26 (65 PSI), Deduct	-1.39	
For DR 19 (89 PSI), Add	0.68	
For DR 17 (100 PSI), Add	1.69	
For DR 15.5 (110 PSI), Add	2.47	
For DR 13.5 (128 PSI), Add	3.86	
For DR 11 (160 PSI), Add	6.21	
33 11 13 23-0432 LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.62	4.94
For DR 26 (65 PSI), Deduct	-2.17	
For DR 19 (89 PSI), Add	1.06	
For DR 17 (100 PSI), Add	2.63	
For DR 15.5 (110 PSI), Add	3.85	
For DR 13.5 (128 PSI), Add	6.00	
For DR 11 (160 PSI), Add	9.66	
33 11 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	32.31	5.18
For DR 26 (65 PSI), Deduct	-3.12	
For DR 19 (89 PSI), Add	1.53	
For DR 17 (100 PSI), Add	3.79	
For DR 15.5 (110 PSI), Add	5.54	
For DR 13.5 (128 PSI), Add	8.65	
For DR 11 (160 PSI), Add	13.93	
33 11 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	37.13	5.71
For DR 26 (65 PSI), Deduct	-3.67	
For DR 19 (89 PSI), Add	1.80	
For DR 17 (100 PSI), Add	4.45	
For DR 15.5 (110 PSI), Add	6.52	
For DR 13.5 (128 PSI), Add	10.17	
For DR 11 (160 PSI), Add	16.37	
33 11 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.98	6.28
For DR 26 (65 PSI), Deduct	-4.80	
For DR 19 (89 PSI), Add	2.36	
For DR 17 (100 PSI), Add	5.81	
For DR 15.5 (110 PSI), Add	8.52	
For DR 13.5 (128 PSI), Add	13.29	
For DR 11 (160 PSI), Add	21.39	
33 11 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	53.42	6.78
For DR 26 (65 PSI), Deduct	-6.06	
For DR 19 (89 PSI), Add	2.98	
For DR 17 (100 PSI), Add	7.35	
For DR 15.5 (110 PSI), Add	10.76	
For DR 13.5 (128 PSI), Add	16.80	
For DR 11 (160 PSI), Add	27.03	
33 11 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	50.04	7.44
For DR 26 (65 PSI), Deduct	-5.07	
For DR 19 (89 PSI), Add	2.49	
For DR 17 (100 PSI), Add	6.14	
For DR 15.5 (110 PSI), Add	8.99	
For DR 13.5 (128 PSI), Add	14.04	
For DR 11 (160 PSI), Add	22.60	
33 11 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	83.27	8.15
For DR 26 (65 PSI), Deduct	-10.79	
For DR 19 (89 PSI), Add	5.30	
For DR 17 (100 PSI), Add	13.07	
For DR 15.5 (110 PSI), Add	19.15	
For DR 13.5 (128 PSI), Add	29.88	
For DR 11 (160 PSI), Add	48.10	
33 11 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping^{(33 11}		
^{13 23-0428)}		
33 11 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	58.36	13.68
For DR 26 (65 PSI), Deduct	-3.17	
For DR 19 (89 PSI), Add	1.56	
For DR 17 (100 PSI), Add	3.85	
For DR 15.5 (110 PSI), Add	5.63	
For DR 13.5 (128 PSI), Add	8.79	
For DR 11 (160 PSI), Add	14.15	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	66.23	15.22
		<i>For DR 26 (65 PSI), Deduct</i>	-3.78	
		<i>For DR 19 (89 PSI), Add</i>	1.86	
		<i>For DR 17 (100 PSI), Add</i>	4.58	
		<i>For DR 15.5 (110 PSI), Add</i>	6.71	
		<i>For DR 13.5 (128 PSI), Add</i>	10.47	
		<i>For DR 11 (160 PSI), Add</i>	16.86	
33 11 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	106.95	17.38
		<i>For DR 26 (65 PSI), Deduct</i>	-10.06	
		<i>For DR 19 (89 PSI), Add</i>	4.94	
		<i>For DR 17 (100 PSI), Add</i>	12.19	
		<i>For DR 15.5 (110 PSI), Add</i>	17.85	
		<i>For DR 13.5 (128 PSI), Add</i>	27.86	
		<i>For DR 11 (160 PSI), Add</i>	44.85	
33 11 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	175.52	20.29
		<i>For DR 26 (65 PSI), Deduct</i>	-21.02	
		<i>For DR 19 (89 PSI), Add</i>	10.32	
		<i>For DR 17 (100 PSI), Add</i>	25.48	
		<i>For DR 15.5 (110 PSI), Add</i>	37.32	
		<i>For DR 13.5 (128 PSI), Add</i>	58.25	
		<i>For DR 11 (160 PSI), Add</i>	93.75	
33 11 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	272.50	27.10
		<i>For DR 26 (65 PSI), Deduct</i>	-35.08	
		<i>For DR 19 (89 PSI), Add</i>	17.23	
		<i>For DR 17 (100 PSI), Add</i>	42.53	
		<i>For DR 15.5 (110 PSI), Add</i>	62.28	
		<i>For DR 13.5 (128 PSI), Add</i>	97.21	
		<i>For DR 11 (160 PSI), Add</i>	156.47	
33 11 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	401.88	40.55
		<i>For DR 26 (65 PSI), Deduct</i>	-51.38	
		<i>For DR 19 (89 PSI), Add</i>	25.23	
		<i>For DR 17 (100 PSI), Add</i>	62.28	
		<i>For DR 15.5 (110 PSI), Add</i>	91.20	
		<i>For DR 13.5 (128 PSI), Add</i>	142.35	
		<i>For DR 11 (160 PSI), Add</i>	229.13	
33 11 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	496.38	54.11
		<i>For DR 26 (65 PSI), Deduct</i>	-61.24	
		<i>For DR 19 (89 PSI), Add</i>	30.07	
		<i>For DR 17 (100 PSI), Add</i>	74.24	
		<i>For DR 15.5 (110 PSI), Add</i>	108.72	
		<i>For DR 13.5 (128 PSI), Add</i>	169.70	
		<i>For DR 11 (160 PSI), Add</i>	273.14	
33 11 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	643.32	81.10
		<i>For DR 26 (65 PSI), Deduct</i>	-73.34	
		<i>For DR 19 (89 PSI), Add</i>	36.01	
		<i>For DR 17 (100 PSI), Add</i>	88.91	
		<i>For DR 15.5 (110 PSI), Add</i>	130.20	
		<i>For DR 13.5 (128 PSI), Add</i>	203.22	
		<i>For DR 11 (160 PSI), Add</i>	327.10	
33 11 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	818.19	91.23
		<i>For DR 26 (65 PSI), Deduct</i>	-99.81	
		<i>For DR 19 (89 PSI), Add</i>	49.01	
		<i>For DR 17 (100 PSI), Add</i>	120.99	
		<i>For DR 15.5 (110 PSI), Add</i>	177.18	
		<i>For DR 13.5 (128 PSI), Add</i>	276.55	
		<i>For DR 11 (160 PSI), Add</i>	445.13	
33 11 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,132.61	103.54
		<i>For DR 26 (65 PSI), Deduct</i>	-150.09	
		<i>For DR 19 (89 PSI), Add</i>	73.69	
		<i>For DR 17 (100 PSI), Add</i>	181.94	
		<i>For DR 15.5 (110 PSI), Add</i>	266.44	
		<i>For DR 13.5 (128 PSI), Add</i>	415.87	
		<i>For DR 11 (160 PSI), Add</i>	669.38	
33 11 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,458.03	121.70
		<i>For DR 26 (65 PSI), Deduct</i>	-200.37	
		<i>For DR 19 (89 PSI), Add</i>	98.38	
		<i>For DR 17 (100 PSI), Add</i>	242.89	
		<i>For DR 15.5 (110 PSI), Add</i>	355.70	
		<i>For DR 13.5 (128 PSI), Add</i>	555.20	
		<i>For DR 11 (160 PSI), Add</i>	893.63	
33 11 13 23-0451		Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 11 13 23-0426)</small>		
33 11 13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	65.52	14.33
		<i>For DR 26 (65 PSI), Deduct</i>	-4.15	
		<i>For DR 19 (89 PSI), Add</i>	2.04	
		<i>For DR 17 (100 PSI), Add</i>	5.03	
		<i>For DR 15.5 (110 PSI), Add</i>	7.37	
		<i>For DR 13.5 (128 PSI), Add</i>	11.50	
		<i>For DR 11 (160 PSI), Add</i>	18.51	
33 11 13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	75.28	16.22
		<i>For DR 26 (65 PSI), Deduct</i>	-4.88	
		<i>For DR 19 (89 PSI), Add</i>	2.40	
		<i>For DR 17 (100 PSI), Add</i>	5.92	
		<i>For DR 15.5 (110 PSI), Add</i>	8.67	
		<i>For DR 13.5 (128 PSI), Add</i>	13.54	
		<i>For DR 11 (160 PSI), Add</i>	21.79	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	125.77	18.72
For DR 26 (65 PSI), Deduct	-12.77	
For DR 19 (89 PSI), Add	6.27	
For DR 17 (100 PSI), Add	15.48	
For DR 15.5 (110 PSI), Add	22.67	
For DR 13.5 (128 PSI), Add	35.38	
For DR 11 (160 PSI), Add	56.95	
33 11 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	243.04	22.13
For DR 26 (65 PSI), Deduct	-32.39	
For DR 19 (89 PSI), Add	15.90	
For DR 17 (100 PSI), Add	39.27	
For DR 15.5 (110 PSI), Add	57.50	
For DR 13.5 (128 PSI), Add	89.76	
For DR 11 (160 PSI), Add	144.47	
33 11 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	330.14	32.48
For DR 26 (65 PSI), Deduct	-42.68	
For DR 19 (89 PSI), Add	20.95	
For DR 17 (100 PSI), Add	51.73	
For DR 15.5 (110 PSI), Add	75.76	
For DR 13.5 (128 PSI), Add	118.25	
For DR 11 (160 PSI), Add	190.33	
33 11 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	463.89	48.72
For DR 26 (65 PSI), Deduct	-58.27	
For DR 19 (89 PSI), Add	28.61	
For DR 17 (100 PSI), Add	70.64	
For DR 15.5 (110 PSI), Add	103.44	
For DR 13.5 (128 PSI), Add	161.46	
For DR 11 (160 PSI), Add	259.88	
33 11 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	556.45	60.85
For DR 26 (65 PSI), Deduct	-68.55	
For DR 19 (89 PSI), Add	33.66	
For DR 17 (100 PSI), Add	83.10	
For DR 15.5 (110 PSI), Add	121.70	
For DR 13.5 (128 PSI), Add	189.95	
For DR 11 (160 PSI), Add	305.75	
33 11 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	717.92	91.23
For DR 26 (65 PSI), Deduct	-81.41	
For DR 19 (89 PSI), Add	39.97	
For DR 17 (100 PSI), Add	98.68	
For DR 15.5 (110 PSI), Add	144.52	
For DR 13.5 (128 PSI), Add	225.57	
For DR 11 (160 PSI), Add	363.07	
33 11 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	935.88	106.28
For DR 26 (65 PSI), Deduct	-113.11	
For DR 19 (89 PSI), Add	55.54	
For DR 17 (100 PSI), Add	137.12	
For DR 15.5 (110 PSI), Add	200.80	
For DR 13.5 (128 PSI), Add	313.43	
For DR 11 (160 PSI), Add	504.48	
33 11 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,332.17	125.53
For DR 26 (65 PSI), Deduct	-174.38	
For DR 19 (89 PSI), Add	85.62	
For DR 17 (100 PSI), Add	211.39	
For DR 15.5 (110 PSI), Add	309.57	
For DR 13.5 (128 PSI), Add	483.20	
For DR 11 (160 PSI), Add	777.74	
33 11 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,741.75	152.16
For DR 26 (65 PSI), Deduct	-235.65	
For DR 19 (89 PSI), Add	115.71	
For DR 17 (100 PSI), Add	285.66	
For DR 15.5 (110 PSI), Add	418.34	
For DR 13.5 (128 PSI), Add	652.97	
For DR 11 (160 PSI), Add	1,050.99	
33 11 13 26 Galvanized Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 11 13 36 Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 36-0001 Steel Piping <small>(33 11 13 36)</small>		
33 11 13 36-0002 Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0001)</small>		
Note: ASTM A252 steel pipe.		
33 11 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	47.83	23.00
For >1,000, Deduct	-2.39	
33 11 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	51.97	23.00
For >1,000, Deduct	-2.60	
33 11 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	54.29	25.10
For >1,000, Deduct	-2.71	
33 11 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	59.52	25.10
For >1,000, Deduct	-2.98	
33 11 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	60.97	26.29
For >1,000, Deduct	-3.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	65.03	26.29
<i>For >1,000, Deduct</i>	-3.25	
33 11 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	90.97	29.06
<i>For >1,000, Deduct</i>	-4.55	
33 11 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	73.88	29.06
<i>For >1,000, Deduct</i>	-3.69	
33 11 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	74.76	30.68
<i>For >1,000, Deduct</i>	-3.74	
33 11 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	77.27	30.68
<i>For >1,000, Deduct</i>	-3.86	
33 11 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	88.58	34.51
<i>For >1,000, Deduct</i>	-4.43	
33 11 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	92.70	34.51
<i>For >1,000, Deduct</i>	-4.64	
33 11 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	78.52	45.41
<i>For >1,000, Deduct</i>	-3.93	
33 11 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	90.21	49.96
<i>For >1,000, Deduct</i>	-4.51	
33 11 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	97.99	52.23
<i>For >1,000, Deduct</i>	-4.90	
33 11 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	110.41	59.04
<i>For >1,000, Deduct</i>	-5.52	
33 11 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	113.20	59.04
<i>For >1,000, Deduct</i>	-5.66	
33 11 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	115.78	59.04
<i>For >1,000, Deduct</i>	-5.79	
33 11 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	118.75	59.04
<i>For >1,000, Deduct</i>	-5.94	
33 11 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	136.86	68.12
<i>For >1,000, Deduct</i>	-6.84	
33 11 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	146.06	68.12
<i>For >1,000, Deduct</i>	-7.30	
33 11 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	168.64	68.12
<i>For >1,000, Deduct</i>	-8.43	
33 11 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	165.95	79.47
<i>For >1,000, Deduct</i>	-8.30	
33 11 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	169.71	79.47
<i>For >1,000, Deduct</i>	-8.49	
33 11 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	205.20	79.47
<i>For >1,000, Deduct</i>	-10.26	
33 11 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	185.46	79.47
<i>For >1,000, Deduct</i>	-9.27	
33 11 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	219.20	95.37
<i>For >1,000, Deduct</i>	-10.96	
33 11 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	246.73	95.37
<i>For >1,000, Deduct</i>	-12.34	
33 11 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	239.85	95.37
<i>For >1,000, Deduct</i>	-11.99	
33 11 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	335.15	106.72
<i>For >1,000, Deduct</i>	-16.76	
33 11 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	236.99	106.72
<i>For >1,000, Deduct</i>	-11.85	
33 11 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	382.48	120.35
<i>For >1,000, Deduct</i>	-19.12	
33 11 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	409.84	136.24
<i>For >1,000, Deduct</i>	-20.49	
33 11 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	262.40	120.35
<i>For >1,000, Deduct</i>	-13.12	
33 11 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	441.20	136.24
<i>For >1,000, Deduct</i>	-22.06	
33 11 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	498.67	158.95
<i>For >1,000, Deduct</i>	-24.93	
33 11 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	387.18	158.95
<i>For >1,000, Deduct</i>	-19.36	
33 11 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	485.43	129.37
<i>For >1,000, Deduct</i>	-24.27	
33 11 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	737.21	129.37
<i>For >1,000, Deduct</i>	-36.86	
33 11 13 36-0044 Flexible Couplings (Dresser Style 38) <small>(33 11 13 36-0001)</small>		
33 11 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	108.19	25.90
33 11 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	160.56	49.81
33 11 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	213.69	65.75
33 11 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	340.20	99.61
33 11 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	444.78	125.51
33 11 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	568.21	131.64
33 11 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	673.35	164.98
33 11 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	725.17	164.98
33 11 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	765.87	188.69

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe	839.81	201.85
33 11 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe	916.12	228.17
33 11 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe	1,160.89	241.33
33 11 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe	1,395.36	263.27
33 11 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe	1,638.04	296.19
33 11 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe	1,892.72	333.48
33 11 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe	2,201.59	383.95
33 11 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe	2,440.07	438.79
33 11 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe	2,803.68	548.50
33 11 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe	3,227.41	666.96
33 11 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe	3,846.11	789.83

33 11 13 39 Copper Public Water Utility Distribution Piping (33 11 13)**33 11 13 39-0001 Type K Copper Water Distribution Piping (33 11 13 39)**

See CSI section 23 05 23 00-0001 for gate valve at tap.

33 11 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe	5.84	1.80
33 11 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe	7.46	2.02
33 11 13 39-0004 LF 1" Type K Copper Water Distribution Pipe	9.53	2.25
33 11 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe	11.24	2.69
33 11 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe	14.02	3.59
33 11 13 39-0007 LF 2" Type K Copper Water Distribution Pipe	19.11	4.48
33 11 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe	27.67	5.39
33 11 13 39-0009 LF 3" Type K Copper Water Distribution Pipe	35.50	5.92
33 11 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe	47.09	7.44
33 11 13 39-0011 LF 4" Type K Copper Water Distribution Pipe	60.09	9.42
33 11 13 39-0012 LF 5" Type K Copper Water Distribution Pipe	129.55	11.76
33 11 13 39-0013 LF 6" Type K Copper Water Distribution Pipe	180.15	14.18
33 11 13 39-0014 LF 8" Type K Copper Water Distribution Pipe	314.32	15.88

33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 11 13)**33 11 13 43-0001 Pipe Coatings (33 11 13 43)****33 11 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 11 13 43-0001)**

33 11 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	2.66	
33 11 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.16	
33 11 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.73	
33 11 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	4.96	
33 11 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.66	
33 11 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.95	
33 11 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.41	
33 11 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.46	
33 11 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	9.80	
33 11 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	15.48	
33 11 13 43-0013 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	33.37	
33 11 13 43-0014 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	38.14	
33 11 13 43-0015 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	42.91	
33 11 13 43-0016 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	47.68	
33 11 13 43-0017 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	52.44	
33 11 13 43-0018 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	57.19	
33 11 13 43-0019 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	61.98	

33 11 13 43-0020 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 11 13 43-0001)

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 11 13 43-0021 LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh	7.36	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0022 LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh	9.06	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0023 LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh	11.32	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0024 LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh	12.61	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0025 LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh	14.24	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0026 LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh	16.67	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0027 LF 16" Diameter Cement Coated Pipe 1" To 2" Mesh	18.94	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0028 LF 18" Diameter Cement Coated Pipe 1" To 2" Mesh	21.36	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0029 LF 20" Diameter Cement Coated Pipe 1" To 2" Mesh	23.74	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0030 LF 24" Diameter Cement Coated Pipe 1" To 2" Mesh	28.48	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0031 LF 30" Diameter Cement Coated Pipe 1" To 2" Mesh	35.60	
Note: Reinforcing applied at fabrication shop.		
33 11 13 43-0032 LF 36" Diameter Cement Coated Pipe 1" To 2" Mesh	42.73	
Note: Reinforcing applied at fabrication shop.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 43-0033 LF 42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.10	
33 11 13 43-0034 LF 48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.68	
33 11 13 43-0035 LF 54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.27	
33 11 13 43-0036 LF 60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.85	
33 11 13 43-0037 LF 66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	39.44	
33 11 13 43-0038 LF 72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.02	
33 11 13 43-0039 LF 78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	
33 11 13 43-0040 Pipe Lining <small>(33 11 13 43)</small>		
33 11 13 43-0041 Cement Pipe Lining <small>(33 11 13 43-0040)</small> Note: Shop applied.		
33 11 13 43-0042 LF 4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	10.38 0.98	
33 11 13 43-0043 LF 6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	12.87 1.21	
33 11 13 43-0044 LF 8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	15.74 1.51	
33 11 13 43-0045 LF 10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	20.35 1.89	
33 11 13 43-0046 LF 12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	25.00 2.27	
33 11 13 43-0047 LF 14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	31.72 2.66	
33 11 13 43-0048 LF 16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	40.69 3.02	
33 11 13 43-0049 LF 18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	48.43 2.89	
33 11 13 43-0050 LF 20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	58.17 3.22	
33 11 13 43-0051 LF 24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	70.48 3.86	
33 11 13 43-0052 LF 30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	85.04 4.82	
33 11 13 43-0053 LF 36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	102.32 5.79	
33 11 13 43-0054 LF 42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	119.39 4.96	
33 11 13 43-0055 LF 48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	136.41 5.67	
33 11 13 43-0056 LF 54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	153.47 6.38	
33 11 13 43-0057 LF 60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	170.55 7.09	
33 11 13 43-0058 LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	187.56 4.16	
33 11 13 43-0059 LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	204.63 4.54	
33 11 13 43-0060 LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	221.71 4.92	
33 11 13 43-0061 Cement Fitting Lining <small>(33 11 13 43-0040)</small> Note: Shop applied.		
33 11 13 43-0062 EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	10.38 0.98	
33 11 13 43-0063 EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	12.87 1.21	
33 11 13 43-0064 EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	20.05 1.96	
33 11 13 43-0065 EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	32.84 3.02	
33 11 13 43-0066 EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	50.00 4.54	
33 11 13 43-0067 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	73.55 6.11	
33 11 13 43-0068 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	107.51 7.85	
33 11 13 43-0069 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining..... <i>For 1/2" Thick, Add</i>	145.28 8.68	
33 11 13 43-0070 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	193.82 10.71	
33 11 13 43-0071 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	281.95 15.43	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 43-0072	8 Mil Polyethylene Encasement Tubing ^(33 11 13 43)		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.			
33 11 13 43-0073	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.61
33 11 13 43-0074	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.05
33 11 13 43-0075	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.36
33 11 13 43-0076	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.74
33 11 13 43-0077	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.46
33 11 13 43-0078	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.21
33 11 13 43-0079	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.05
33 11 13 43-0080	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.85
33 11 13 43-0081	LF	54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.10

33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters ^(33 11 13 53)

33 11 13 53-0001	Double Stud Stainless Steel Service Saddles ^(33 11 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.			
33 11 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	219.53
33 11 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	313.73
33 11 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	323.51
33 11 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	264.90
33 11 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	335.13
33 11 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	276.43
33 11 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	350.71
33 11 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	312.44
33 11 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	369.43
33 11 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	325.51
33 11 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	379.74

33 11 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles ^(33 11 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 11 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	180.01
33 11 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	180.14
33 11 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	191.61
33 11 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	183.42
33 11 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	196.30
33 11 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	217.89
33 11 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	231.82
33 11 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	211.44
33 11 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	233.21
33 11 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	244.96
33 11 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	223.01
33 11 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	245.52
33 11 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	257.20
33 11 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	235.04
33 11 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	256.85
33 11 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	268.37
33 11 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	401.92
33 11 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	411.70
33 11 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	255.12
33 11 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	281.69
33 11 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	292.31
33 11 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	477.94
33 11 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	287.04
33 11 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	319.13
33 11 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	535.51
33 11 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	313.12
33 11 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	347.13
33 11 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	359.38
33 11 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	599.60
33 11 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	368.16
33 11 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	394.58
33 11 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	425.71
33 11 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	741.89
33 11 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	377.94
33 11 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	432.64
33 11 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	450.69
33 11 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	798.39
33 11 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	394.97
33 11 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	451.73
33 11 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	470.27
33 11 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	830.98
33 11 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	438.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	509.48	
33 11 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	502.77	
33 11 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	557.45	
33 11 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	525.28	
33 11 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	594.62	
33 11 13 53-0061 Double Bale Bronze Service Saddles <small>(33 11 13 53)</small>		
33 11 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	252.85	
33 11 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	277.03	
33 11 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	287.79	
33 11 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	312.20	
33 11 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	321.85	
33 11 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	338.27	
33 11 13 53-0068 EA 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	310.34	
33 11 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	330.42	
33 11 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	398.28	
33 11 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	431.50	
33 11 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	609.07	
33 11 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	512.00	
33 11 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	710.04	
33 11 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	585.02	
33 11 13 53-0080 Stainless Steel Double Straps, Bronze Body Service Saddle <small>(33 11 13 53)</small>		
Note: Taps are compression or NPT.		
33 11 13 53-0081 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	266.54	
33 11 13 53-0082 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	294.31	
33 11 13 53-0083 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	303.97	
33 11 13 53-0084 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	330.69	
33 11 13 53-0085 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	341.85	
33 11 13 53-0086 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	359.33	
33 11 13 53-0087 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	386.58	
33 11 13 53-0088 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	414.19	
33 11 13 53-0089 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	416.62	
33 11 13 53-0090 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	452.19	
33 11 13 53-0091 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	654.49	
33 11 13 53-0092 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	544.82	
33 11 13 53-0093 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	763.93	
33 11 13 53-0094 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	624.14	
33 11 13 53-0099 Ductile Iron Mechanical Joint Tapping Sleeve <small>(33 11 13 53)</small>		
33 11 13 53-0100 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,214.50	
33 11 13 53-0101 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,465.20	
33 11 13 53-0102 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,754.58	
33 11 13 53-0103 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,859.17	
33 11 13 53-0104 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,860.62	
33 11 13 53-0105 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,007.78	
33 11 13 53-0106 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,069.77	
33 11 13 53-0107 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,007.27	
33 11 13 53-0108 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,153.82	
33 11 13 53-0109 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,513.75	
33 11 13 53-0110 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,603.64	
33 11 13 53-0111 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,097.75	
33 11 13 53-0112 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,263.61	
33 11 13 53-0113 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,337.10	
33 11 13 53-0114 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,367.57	
33 11 13 53-0115 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,601.63	
33 11 13 53-0116 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,588.02	
33 11 13 53-0117 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,607.58	
33 11 13 53-0118 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,793.16	
33 11 13 53-0119 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,835.41	
33 11 13 53-0120 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,882.10	
33 11 13 53-0121 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,629.44	
33 11 13 53-0122 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,216.98	
33 11 13 53-0123 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,201.05	
33 11 13 53-0124 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,622.56	
33 11 13 53-0125 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,735.97	
33 11 13 53-0126 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,085.10	
33 11 13 53-0127 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,578.38	
33 11 13 53-0128 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,254.70	
33 11 13 53-0129 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,414.24	
33 11 13 53-0130 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,475.34	
33 11 13 53-0131 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,787.59	
33 11 13 53-0132 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,948.14	
33 11 13 53-0133 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,176.16	
33 11 13 53-0134 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,379.93	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 53-0135	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,522.05
33 11 13 53-0136	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,561.96
33 11 13 53-0137	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,708.40
33 11 13 53-0138	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,896.56
33 11 13 53-0139	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,935.66
33 11 13 53-0140	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	15,347.36
33 11 13 53-0141	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	15,540.88

33 11 13 53-0142 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 11 13 53)

33 11 13 53-0143	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,002.07
33 11 13 53-0144	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,058.43
33 11 13 53-0145	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,160.55
33 11 13 53-0146	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,189.40
33 11 13 53-0147	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,239.20
33 11 13 53-0148	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,431.81
33 11 13 53-0149	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,295.51
33 11 13 53-0150	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,343.94
33 11 13 53-0151	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,512.98
33 11 13 53-0152	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,119.55
33 11 13 53-0153	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,452.77
33 11 13 53-0154	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,524.83
33 11 13 53-0155	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,691.15
33 11 13 53-0156	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,234.30
33 11 13 53-0157	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,443.40
33 11 13 53-0158	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,925.40
33 11 13 53-0159	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,984.63
33 11 13 53-0160	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,344.05
33 11 13 53-0161	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,790.19
33 11 13 53-0162	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,079.52
33 11 13 53-0163	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,292.91
33 11 13 53-0164	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,354.14
33 11 13 53-0165	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,591.32
33 11 13 53-0166	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,230.36
33 11 13 53-0167	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,379.71
33 11 13 53-0168	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,420.06
33 11 13 53-0169	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,532.77
33 11 13 53-0170	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,690.21
33 11 13 53-0171	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,442.58
33 11 13 53-0172	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,591.75
33 11 13 53-0173	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,931.49
33 11 13 53-0174	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,992.57
33 11 13 53-0175	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,348.65
33 11 13 53-0176	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,952.26
33 11 13 53-0177	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,207.11
33 11 13 53-0178	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,157.80
33 11 13 53-0179	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,294.31
33 11 13 53-0180	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,479.42
33 11 13 53-0181	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,337.06
33 11 13 53-0182	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,492.70

33 11 13 53-0183 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 11 13 53)

33 11 13 53-0184	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,166.66
33 11 13 53-0185	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,266.31
33 11 13 53-0186	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,341.69
33 11 13 53-0187	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,363.28
33 11 13 53-0188	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,450.44
33 11 13 53-0189	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,715.20
33 11 13 53-0190	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,564.71
33 11 13 53-0191	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,661.60
33 11 13 53-0192	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,898.66
33 11 13 53-0193	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,586.42
33 11 13 53-0194	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,783.25
33 11 13 53-0195	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,916.13
33 11 13 53-0196	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,230.02
33 11 13 53-0197	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,639.65
33 11 13 53-0198	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,952.31
33 11 13 53-0199	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,034.29
33 11 13 53-0200	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,197.78
33 11 13 53-0201	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,551.50
33 11 13 53-0202	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,961.54
33 11 13 53-0203	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,177.36
33 11 13 53-0204	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,490.71
33 11 13 53-0205	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,715.03
33 11 13 53-0206	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,885.43
33 11 13 53-0207	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,326.47
33 11 13 53-0208	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,624.95
33 11 13 53-0209	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,739.34
33 11 13 53-0210	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,075.69
33 11 13 53-0211	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,253.63



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0212 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,640.92	
33 11 13 53-0213 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,154.04	
33 11 13 53-0214 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,950.34	
33 11 13 53-0215 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,285.83	
33 11 13 53-0216 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,429.99	
33 11 13 53-0217 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,152.61	
33 11 13 53-0218 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,553.85	
33 11 13 53-0219 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,506.00	
33 11 13 53-0220 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,551.83	
33 11 13 53-0221 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,725.14	
33 11 13 53-0222 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,588.12	
33 11 13 53-0223 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,047.69	
33 11 13 53-0224 Ductile Iron Body, Flanged Coupling Adapter (33 11 13 53)		
33 11 13 53-0225 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	306.16	57.95
33 11 13 53-0226 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	383.64	73.07
33 11 13 53-0227 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	504.90	100.78
33 11 13 53-0228 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	653.18	118.42
33 11 13 53-0229 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,020.79	133.54
33 11 13 53-0230 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,140.55	151.18
33 11 13 53-0231 Steel Body, Flanged Coupling Adapter (33 11 13 53)		
33 11 13 53-0232 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	444.22	57.95
33 11 13 53-0233 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	525.70	73.07
33 11 13 53-0234 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	702.22	100.78
33 11 13 53-0235 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	858.55	118.42
33 11 13 53-0236 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,047.14	133.54
33 11 13 53-0237 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,219.77	151.18
33 11 13 53-0238 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,447.94	166.29
33 11 13 53-0239 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,713.38	181.41
33 11 13 53-0240 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,022.04	199.56
33 11 13 53-0241 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,387.94	219.51
33 11 13 53-0242 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 11 13 53)		
33 11 13 53-0243 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	392.88	73.07
33 11 13 53-0244 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	527.69	100.78
33 11 13 53-0245 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	584.98	118.42
33 11 13 53-0246 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	850.28	133.54
33 11 13 53-0247 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,081.11	151.18
33 11 13 53-0248 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,212.27	166.29
33 11 13 53-0249 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,423.63	181.41
33 11 13 53-0250 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,597.24	199.56
33 11 13 53-0251 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,917.57	219.51
33 11 13 53-0252 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,307.71	241.48
33 11 13 53-0253 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,783.25	265.57
33 11 13 53-0254 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,448.93	292.18
33 11 13 53-0255 Ductile Iron Body, Omni Coupling System (33 11 13 53)		
33 11 13 53-0256 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	139.81	40.31
33 11 13 53-0257 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	172.26	47.87
33 11 13 53-0258 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	213.13	57.95
33 11 13 53-0259 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	267.68	73.07
33 11 13 53-0260 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	357.45	100.78
33 11 13 53-0261 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	433.89	118.42
33 11 13 53-0262 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	540.66	133.54
33 11 13 53-0263 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	631.77	151.18
33 11 13 53-0264 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	883.67	166.29
33 11 13 53-0265 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,099.80	181.41
33 12 Water Utility Distribution Equipment (33 10)		
33 12 13 Water Service Connections (33 12)		
See CSI section 22 11 19 00-0153 for backflow preventer assemblies.		
33 12 13 23 Water Service Hydrants (33 12 13)		
33 12 13 23-0001 Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0002 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	199.15	32.46
33 12 13 23-0003 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	209.13	32.46
33 12 13 23-0004 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	219.12	32.46
33 12 13 23-0005 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	251.95	41.13
33 12 13 23-0006 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	261.89	41.13
33 12 13 23-0007 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	271.84	41.13

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 13 23-0008 Sanitary Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0009 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	697.36	67.64
33 12 13 23-0010 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	728.55	67.64
33 12 13 23-0011 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	759.75	67.64
33 12 13 23-0012 Flushing Hydrants (33 12 13 23)		
33 12 13 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	493.43	41.65
33 12 16 Water Utility Distribution Valves (33 12)		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0509 for bolt and gasket sets.		
33 12 16 00-0001 Water Utility Distribution Valves (33 12 16)		
33 12 16 00-0002 Angle Valves (33 12 16 00-0001)		
Note: For connecting meters to water service.		
33 12 16 00-0003 Threaded, Class 150, Bronze Angle Valve (33 12 16 00-0002)		
Note: Nibco T-335Y		
33 12 16 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	58.02	17.32
33 12 16 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	78.23	23.27
33 12 16 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve.....	101.34	28.69
33 12 16 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	129.74	36.04
33 12 16 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	157.70	41.67
33 12 16 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve.....	219.05	48.71
33 12 16 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	335.26	66.44
33 12 16 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve.....	478.55	76.71
33 12 16 00-0012 Butterfly Valves (33 12 16 00-0001)		
33 12 16 00-0013 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 12 16 00-0012)		
33 12 16 00-0014 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,159.28	184.22
33 12 16 00-0015 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,316.28	184.22
33 12 16 00-0016 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,300.76	284.61
33 12 16 00-0017 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,457.76	284.61
33 12 16 00-0018 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,568.73	365.39
33 12 16 00-0019 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,725.73	365.39
33 12 16 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,770.95	417.56
33 12 16 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,928.95	417.56
33 12 16 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,314.42	511.54
33 12 16 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,714.42	511.54
33 12 16 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	2,729.06	620.04
33 12 16 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	3,056.06	620.04
33 12 16 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12).....	3,512.01	772.00
33 12 16 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	4,048.01	772.00
33 12 16 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	4,164.50	849.21
33 12 16 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	4,506.50	849.21



	Utilities	33
	Water Utilities	33 10
	Water Utility Distribution Equipment	33 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16)	5,160.43	943.54
33 12 16 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	5,497.43	943.54
33 12 16 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30)	6,076.88	1,061.50
33 12 16 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20)	6,292.88	1,061.50
33 12 16 00-0034 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MS-7-HD30)	8,901.09	1,306.47
33 12 16 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MS-7-CW20)	9,117.09	1,306.47
33 12 16 00-0036 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	20,220.30	2,200.24
33 12 16 00-0037 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	23,552.38	3,000.33
33 12 16 00-0038 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32)	30,519.59	4,400.48
33 12 16 00-0039 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24)	37,432.76	5,500.60
33 12 16 00-0043 Check Valves <small>(33 12 16 00-0001)</small>		
33 12 16 00-0044 Flanged, Swing Type Gravity Operated Check Valves <small>(33 12 16 00-0043)</small>		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 12 16 00-0045 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve	685.32	134.48
33 12 16 00-0046 EA 3" Flanged, Swing Type Gravity Operated Check Valve	741.11	159.38
33 12 16 00-0047 EA 4" Flanged, Swing Type Gravity Operated Check Valve	942.39	214.17
33 12 16 00-0048 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,271.13	244.05
33 12 16 00-0049 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,387.25	278.92
33 12 16 00-0050 EA 6" Flanged, Swing Type Gravity Operated Check Valve	1,276.10	249.04
33 12 16 00-0051 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,601.55	273.94
33 12 16 00-0052 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,679.69	298.84
33 12 16 00-0053 EA 8" Flanged, Swing Type Gravity Operated Check Valve	1,736.48	298.84
33 12 16 00-0054 EA 10" Flanged, Swing Type Gravity Operated Check Valve	2,740.62	348.65
33 12 16 00-0055 EA 12" Flanged, Swing Type Gravity Operated Check Valve	4,035.29	418.38
33 12 16 00-0056 EA 14" Flanged, Swing Type Gravity Operated Check Valve	5,469.70	472.86
33 12 16 00-0057 EA 16" Flanged, Swing Type Gravity Operated Check Valve	7,192.96	530.75
33 12 16 00-0058 EA 18" Flanged, Swing Type Gravity Operated Check Valve	10,260.61	588.66
33 12 16 00-0059 EA 20" Flanged, Swing Type Gravity Operated Check Valve	11,922.49	663.44
33 12 16 00-0060 Combination Air Release Valves <small>(33 12 16 00-0001)</small>		
33 12 16 00-0061 EA 1" Combination Air Release Valve	431.52	20.92
33 12 16 00-0062 EA 2" Combination Air Release Valve	697.74	35.86
33 12 16 00-0063 Corporation Stop And Curb Valve <small>(33 12 16 00-0001)</small>		
Note: AWWA C800		
33 12 16 00-0064 Ball Corporation Valves <small>(33 12 16 00-0063)</small>		
Note: Mueller B-25000.		
33 12 16 00-0065 EA 3/4" Ball Corporation Valve	76.78	20.92
33 12 16 00-0066 EA 1" Ball Corporation Valve	96.38	25.90
33 12 16 00-0067 EA 1-1/2" Ball Corporation Valve	171.01	37.86
33 12 16 00-0068 EA 2" Ball Corporation Valve	255.36	44.82
33 12 16 00-0069 Gate Valve, AWWA C500 And C509 <small>(33 12 16 00-0001)</small>		
33 12 16 00-0070 Gate Valve, Flanged <small>(33 12 16 00-0069)</small>		
Note: Mueller A-2380-6.		
33 12 16 00-0071 EA 2" Gate Valve, Flanged	448.77	106.09
33 12 16 00-0072 EA 2-1/2" Gate Valve, Flanged	548.48	132.98
33 12 16 00-0073 EA 3" Gate Valve, Flanged	657.02	159.38
33 12 16 00-0074 EA 4" Gate Valve, Flanged	799.00	212.18
33 12 16 00-0075 EA 6" Gate Valve, Flanged	998.89	249.04
33 12 16 00-0076 EA 8" Gate Valve, Flanged	1,380.31	298.84
33 12 16 00-0077 EA 10" Gate Valve, Flanged	1,940.97	348.65
33 12 16 00-0078 EA 12" Gate Valve, Flanged	2,338.31	418.38
33 12 16 00-0079 EA 14" Gate Valve, Flanged	4,531.81	472.86
33 12 16 00-0080 EA 16" Gate Valve, Flanged	5,853.58	530.75
33 12 16 00-0081 EA 18" Gate Valve, Flanged	9,023.05	588.66

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0082 EA 20" Gate Valve, Flanged.....	10,747.45	663.44
33 12 16 00-0083 Resilient Wedge Gate Valve, Flanged (33 12 16 00-0069) Note: Mueller A-2360-6.		
33 12 16 00-0084 EA 2" Resilient Wedge Gate Valve, Flanged.....	435.39	106.09
33 12 16 00-0085 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	532.49	132.98
33 12 16 00-0086 EA 3" Resilient Wedge Gate Valve, Flanged.....	638.04	160.87
33 12 16 00-0087 EA 4" Resilient Wedge Gate Valve, Flanged.....	777.79	212.18
33 12 16 00-0088 EA 6" Resilient Wedge Gate Valve, Flanged.....	970.53	249.04
33 12 16 00-0089 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,336.02	298.84
33 12 16 00-0090 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,870.58	348.65
33 12 16 00-0091 EA 12" Resilient Wedge Gate Valve, Flanged.....	2,253.32	418.38
33 12 16 00-0092 Gate Valve, Mechanical Joint (33 12 16 00-0069) Note: Mueller A-2380-20.		
33 12 16 00-0093 EA 2" Gate Valve, Mechanical Joint.....	482.11	106.09
33 12 16 00-0094 EA 2-1/2" Gate Valve, Mechanical Joint.....	543.03	132.98
33 12 16 00-0095 EA 3" Gate Valve, Mechanical Joint.....	675.18	160.87
33 12 16 00-0096 EA 4" Gate Valve, Mechanical Joint.....	828.62	212.18
33 12 16 00-0097 EA 6" Gate Valve, Mechanical Joint.....	1,021.36	249.04
33 12 16 00-0098 EA 8" Gate Valve, Mechanical Joint.....	1,411.78	298.84
33 12 16 00-0099 EA 10" Gate Valve, Mechanical Joint.....	1,962.45	348.65
33 12 16 00-0100 EA 12" Gate Valve, Mechanical Joint.....	2,435.86	418.38
33 12 16 00-0101 EA 14" Gate Valve, Mechanical Joint.....	4,797.84	472.86
33 12 16 00-0102 EA 16" Gate Valve, Mechanical Joint.....	6,126.12	530.75
33 12 16 00-0103 EA 18" Gate Valve, Mechanical Joint.....	9,509.76	588.66
33 12 16 00-0104 EA 20" Gate Valve, Mechanical Joint.....	11,274.16	663.44
33 12 16 00-0105 Resilient Wedge Gate Valve, Mechanical Joint (33 12 16 00-0069) Note: Mueller A-2360-20.		
33 12 16 00-0106 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	466.83	106.09
33 12 16 00-0107 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	655.17	160.87
33 12 16 00-0108 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	805.73	212.18
33 12 16 00-0109 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	991.75	249.04
33 12 16 00-0110 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,365.71	298.84
33 12 16 00-0111 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,890.84	348.65
33 12 16 00-0112 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,345.33	418.38
33 12 16 00-0113 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 12 16 00-0069) Note: Mueller A-2361.		
33 12 16 00-0114 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,418.08	472.86
33 12 16 00-0115 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,828.79	530.75
33 12 16 00-0116 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,344.63	588.66
33 12 16 00-0117 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,733.36	663.44
33 12 16 00-0118 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X FL.....	14,280.48	772.00
33 12 16 00-0119 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 12 16 00-0069) Note: NIBCO T-113.		
33 12 16 00-0120 EA 1/4" Gate Valve, Bronze, Threaded.....	40.84	17.43
33 12 16 00-0121 EA 3/8" Gate Valve, Bronze, Threaded.....	42.49	17.43
33 12 16 00-0122 EA 1/2" Gate Valve, Bronze, Threaded.....	43.36	17.43
33 12 16 00-0123 EA 3/4" Gate Valve, Bronze, Threaded.....	57.11	23.54
33 12 16 00-0124 EA 1" Gate Valve, Bronze, Threaded.....	69.76	28.46
33 12 16 00-0125 EA 1-1/4" Gate Valve, Bronze, Threaded.....	91.60	36.04
33 12 16 00-0126 EA 1-1/2" Gate Valve, Bronze, Threaded.....	105.99	41.67
33 12 16 00-0127 EA 2" Gate Valve, Bronze, Threaded.....	127.00	48.71
33 12 16 00-0128 EA 2-1/2" Gate Valve, Bronze, Threaded.....	209.84	66.44
33 12 16 00-0129 EA 3" Gate Valve, Bronze, Threaded.....	247.87	76.20
33 12 16 00-0130 Globe Valve, AWWA (33 12 16 00-0001)		
33 12 16 00-0131 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 12 16 00-0130) Note: NIBCO T-235.		
33 12 16 00-0132 EA 1/8" Globe Valve, Threaded.....	51.79	17.43
33 12 16 00-0133 EA 1/4" Globe Valve, Threaded.....	48.46	17.43
33 12 16 00-0134 EA 3/8" Globe Valve, Threaded.....	50.11	17.43
33 12 16 00-0135 EA 1/2" Globe Valve, Threaded.....	51.79	17.43
33 12 16 00-0136 EA 3/4" Globe Valve, Threaded.....	70.18	23.54
33 12 16 00-0137 EA 1" Globe Valve, Threaded.....	92.87	28.46
33 12 16 00-0138 EA 1-1/4" Globe Valve, Threaded.....	128.93	36.04
33 12 16 00-0139 EA 1-1/2" Globe Valve, Threaded.....	152.18	41.67
33 12 16 00-0140 EA 2" Globe Valve, Threaded.....	200.82	48.71
33 12 16 00-0141 EA 2-1/2" Globe Valve, Threaded.....	340.36	66.44
33 12 16 00-0142 EA 3" Globe Valve, Threaded.....	448.44	76.61



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Equipment	33 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0143 Tapping Valve, AWWA C500 And C509 <small>(33 12 16 00-0001)</small>		
33 12 16 00-0144 Tapping Valve, AWWA C500 And C509 <small>(33 12 16 00-0143)</small>		
Note: Tapping inlet X mechanical joint, Mueller H-667.		
33 12 16 00-0145 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	630.12	132.98
33 12 16 00-0146 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	791.80	160.87
33 12 16 00-0147 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	929.20	212.18
33 12 16 00-0148 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,197.84	249.04
33 12 16 00-0149 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,635.46	298.84
33 12 16 00-0150 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,251.04	348.65
33 12 16 00-0151 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,211.42	418.38
33 12 16 00-0152 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,429.88	472.86
33 12 16 00-0153 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,804.57	530.75
33 12 16 00-0154 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,709.31	589.62
33 12 16 00-0155 Accessories For Valves <small>(33 12 16)</small>		
33 12 16 00-0156 EA 1' Valve Extension Stem	81.38	
For Each Additional LF, Add 5.41		
33 12 16 00-0157 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly	912.91	99.61
Note: Excludes valve.		
33 12 16 00-0158 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,032.49	109.57
Note: Excludes valve.		
33 12 16 00-0159 EA Adjust Water Valve Box To Grade	99.61	
33 12 16 00-0160 Roadway Or Curb Valve Boxes <small>(33 12 16)</small>		
See CSI section 22 05 19 00-0000 for metering.		
33 12 16 00-0161 Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 12 16 00-0160)</small>		
33 12 16 00-0162 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	140.10	13.15
Note: Includes cover, top section and bottom section.		
33 12 16 00-0163 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	160.11	13.15
Note: Includes cover, top section and bottom section.		
33 12 16 00-0164 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	161.03	13.15
Note: Includes cover, top section and bottom section.		
33 12 16 00-0165 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	45.39	6.58
33 12 16 00-0166 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	50.68	6.58
33 12 16 00-0167 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	58.65	6.58
33 12 16 00-0168 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box	207.03	16.44
Note: Includes cover, top section and bottom section.		
33 12 16 00-0169 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	351.74	23.01
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0170 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	389.06	23.01
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0171 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	214.43	16.44
Note: Includes cover, top section and bottom section.		
33 12 16 00-0172 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	223.34	16.44
Note: Includes cover, top section and bottom section.		
33 12 16 00-0173 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	216.53	16.44
Note: Includes cover, top section and bottom section.		
33 12 16 00-0174 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	79.25	6.58
33 12 16 00-0175 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	141.86	27.06
33 12 16 00-0176 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	145.91	28.14
33 12 16 00-0177 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	162.12	29.22
33 12 16 00-0178 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes	213.42	30.85
33 12 16 00-0179 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	254.49	32.46
33 12 16 00-0180 EA 18" Cast Iron Service Box Extension Section	57.80	
33 12 16 00-0181 Plastic Roadway Grade Water Meter Box And Cover <small>(33 12 16 00-0160)</small>		
33 12 16 00-0182 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	188.68	37.88
33 12 16 00-0183 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	140.60	27.06
33 12 16 00-0184 EA Cast Iron Lid For Plastic Meter Box	39.51	
33 12 16 00-0185 Traffic Valve Box And Lid <small>(33 12 16 00-0160)</small>		
33 12 16 00-0186 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	146.28	
33 12 16 00-0187 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	406.39	
33 12 16 00-0188 Utility Box <small>(33 12 16)</small>		
Note: Christy Concrete Products.		
33 12 16 00-0189 B3 Utility Box, 9-3/8" x 15-1/2" <small>(33 12 16 00-0188)</small>		
33 12 16 00-0190 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box	72.62	49.32
33 12 16 00-0191 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	49.58	5.48
33 12 16 00-0192 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	24.55	5.48
33 12 16 00-0193 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	100.48	5.48
33 12 16 00-0194 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	38.69	10.96
33 12 16 00-0195 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	49.76	10.96

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 12 16 00-0196		B9 Utility Box, 10-1/4" x 17-1/4" (33 12 16 00-0188)			
33 12 16 00-0197	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box.....	91.72		65.76
33 12 16 00-0198	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	58.27		6.57
33 12 16 00-0199	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	27.84		6.57
33 12 16 00-0200	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	105.08		5.48
33 12 16 00-0201	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	41.74		10.96
33 12 16 00-0202	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	58.04		16.44
33 12 16 00-0203	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	81.81		30.13
33 12 16 00-0204		B12 Utility Box, 12" x 20" (33 12 16 00-0188)			
33 12 16 00-0205	EA	12" x 20" Precast Concrete Utility Box.....	100.19		71.24
33 12 16 00-0206	EA	Cast Iron Lid For 12" x 20" Utility Box.....	100.50		8.22
33 12 16 00-0207	EA	Reinforced Concrete Lid For 12" x 20" Utility Box.....	39.96		10.96
33 12 16 00-0208	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box.....	145.72		10.96
33 12 16 00-0209	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....	105.52		38.36
33 12 16 00-0210		B16 Utility Box, 12" x 22-1/4" (33 12 16 00-0188)			
33 12 16 00-0211	EA	12" x 22-1/4" Precast Concrete Utility Box.....	116.11		83.29
33 12 16 00-0212	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box.....	115.60		10.96
33 12 16 00-0213	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	46.23		10.96
33 12 16 00-0214	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....	146.47		10.96
33 12 16 00-0215	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....	68.88		18.63
33 12 16 00-0216	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....	106.56		38.36
33 12 16 00-0217		B30 Utility Box, 13-1/4" x 24" (33 12 16 00-0188)			
33 12 16 00-0218	EA	13-1/4" x 24" Precast Concrete Utility Box.....	138.83		98.63
33 12 16 00-0219	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box.....	65.67		17.53
33 12 16 00-0220	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box.....	181.92		14.25
33 12 16 00-0221	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box.....	68.88		18.63
33 12 16 00-0222	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box.....	108.14		30.68
33 12 16 00-0223	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	80.62		20.82
33 12 16 00-0224	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box.....	137.60		49.32
33 12 16 00-0225		B36 Utility Box, 17-1/4" x 30" (33 12 16 00-0188)			
33 12 16 00-0226	EA	17-1/4" x 30" Precast Concrete Utility Box.....	179.01		124.94
33 12 16 00-0227	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box.....	108.90		30.13
33 12 16 00-0228	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box.....	231.67		20.82
33 12 16 00-0229	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box.....	113.13		39.46
33 12 16 00-0230	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box.....	163.46		43.84
33 12 16 00-0231	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box.....	180.94		63.57
33 12 16 00-0232		B40 Utility Box, 24-1/2" x 36" (33 12 16 00-0188)			
33 12 16 00-0233	EA	24-1/2" x 36" Precast Concrete Utility Box.....	330.36		192.89
33 12 16 00-0234	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	285.62		72.33
33 12 16 00-0235	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	331.75		31.78
33 12 16 00-0236	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	244.27		67.95
33 12 16 00-0237	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	258.12		71.24
33 12 16 00-0238		B48 Utility Box, 30-1/4" x 48-1/4" (33 12 16 00-0188)			
33 12 16 00-0239	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box.....	445.49		219.19
33 12 16 00-0240	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	417.81		119.46
33 12 16 00-0241	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	488.78		119.46
33 12 16 00-0242	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	530.67		54.80
33 12 16 00-0243	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	415.03		147.95
33 12 16 00-0244	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	333.29		99.73
33 12 19		Water Utility Distribution Fire Hydrants (33 12)			
33 12 19 00-0001		Fire Hydrants (33 12 19) Note: Breakaway type.			
33 12 19 00-0002		Three Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001) Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 12 19 00-0003	EA	1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,789.91		255.77
33 12 19 00-0004	EA	2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,821.01		255.77
33 12 19 00-0005	EA	2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,852.19		255.77
33 12 19 00-0006	EA	3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,901.49		274.04
33 12 19 00-0007	EA	3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,932.62		274.04
33 12 19 00-0008	EA	4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,986.61		296.87
33 12 19 00-0009	EA	4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,017.69		296.87
33 12 19 00-0010	EA	5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,071.70		319.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0011 EA 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,102.83	319.71
33 12 19 00-0012 EA 6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,156.75	342.55
33 12 19 00-0013 EA 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,210.71	365.39
33 12 19 00-0014 EA 7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,287.45	411.06
33 12 19 00-0015 EA 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,818.29	255.77
33 12 19 00-0016 EA 2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,858.65	255.77
33 12 19 00-0017 EA 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,898.91	255.77
33 12 19 00-0018 EA 3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,957.44	274.04
33 12 19 00-0019 EA 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,997.70	274.04
33 12 19 00-0020 EA 4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,060.94	296.87
33 12 19 00-0021 EA 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,101.15	296.87
33 12 19 00-0022 EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,164.29	319.71
33 12 19 00-0023 EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,204.54	319.71
33 12 19 00-0024 EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,267.57	342.55
33 12 19 00-0025 EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,330.77	365.39
33 12 19 00-0026 EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,416.63	411.06
33 12 19 00-0027 Two Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0028 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,619.20	255.77
33 12 19 00-0029 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,650.19	255.77
33 12 19 00-0030 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,681.36	255.77
33 12 19 00-0031 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,730.79	274.04
33 12 19 00-0032 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,761.82	274.04
33 12 19 00-0033 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,815.74	296.87
33 12 19 00-0034 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,846.87	296.87
33 12 19 00-0035 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,900.91	319.71
33 12 19 00-0036 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,931.97	319.71
33 12 19 00-0037 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,986.06	342.55
33 12 19 00-0038 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,039.82	365.39
33 12 19 00-0039 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,116.63	411.06
33 12 19 00-0040 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,663.04	255.77
33 12 19 00-0041 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,703.31	255.77
33 12 19 00-0042 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,743.52	255.77
33 12 19 00-0043 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,802.15	274.04
33 12 19 00-0044 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,842.31	274.04
33 12 19 00-0045 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,905.48	296.87
33 12 19 00-0046 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,945.66	296.87
33 12 19 00-0047 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,008.93	319.71
33 12 19 00-0048 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,049.09	319.71
33 12 19 00-0049 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,112.26	342.55
33 12 19 00-0050 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,175.26	365.39
33 12 19 00-0051 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,261.34	411.06
33 12 19 00-0052 Three Way, Modern Model Fire Hydrant (33 12 19 00-0001)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0053 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,862.49	255.77
33 12 19 00-0054 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,902.70	255.77
33 12 19 00-0055 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,943.03	255.77
33 12 19 00-0056 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,001.58	274.04
33 12 19 00-0057 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,041.82	274.04
33 12 19 00-0058 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,104.91	296.87
33 12 19 00-0059 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,145.20	296.87
33 12 19 00-0060 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,208.31	319.71
33 12 19 00-0061 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,248.56	319.71
33 12 19 00-0062 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,311.66	319.71
33 12 19 00-0063 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,374.88	365.39
33 12 19 00-0064 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,460.32	365.39
33 12 19 00-0065 Two Way, Modern Model Fire Hydrant (33 12 19 00-0001)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0066 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,358.30	255.77
33 12 19 00-0067 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,388.90	255.77
33 12 19 00-0068 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,419.84	255.77
33 12 19 00-0069 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,468.35	274.04
33 12 19 00-0070 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,498.94	274.04
33 12 19 00-0071 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,552.36	296.87
33 12 19 00-0072 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,582.94	296.87
33 12 19 00-0073 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,636.41	319.71
33 12 19 00-0074 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,666.91	319.71
33 12 19 00-0075 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,720.35	342.55
33 12 19 00-0076 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,773.82	365.39
33 12 19 00-0077 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,849.70	411.06
33 12 19 00-0078 Fire Hydrant Extension Kits (33 12 19 00-0001)		
33 12 19 00-0079 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	300.45	22.84
33 12 19 00-0080 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	359.56	28.54

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0081 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	397.83	34.26
33 12 19 00-0082 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	458.20	42.25
33 12 19 00-0083 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	655.93	43.96
33 12 19 00-0084 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	698.25	45.67
33 12 19 00-0085 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	711.75	47.96
33 12 19 00-0086 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	753.09	51.38
33 12 19 00-0087 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	839.34	61.66
33 12 19 00-0088 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	902.34	74.22
33 12 19 00-0089 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	333.72	25.57
33 12 19 00-0090 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	398.38	31.06
33 12 19 00-0091 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	459.90	37.45
33 12 19 00-0092 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	522.23	46.59
33 12 19 00-0093 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	687.17	48.41
33 12 19 00-0094 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	730.20	50.24
33 12 19 00-0095 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	762.10	52.98
33 12 19 00-0096 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	882.21	56.63
33 12 19 00-0097 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	977.29	67.60
33 12 19 00-0098 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,045.91	81.30
33 12 19 00-0099 Remove And Reinstall Standard Fire Hydrant (33 12 19 00-0001)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 12 19 00-0100 EA Up To 5' Burial Section, Remove And Reinstall Fire Hydrant	730.76	
33 12 19 00-0101 EA >5' Burial Section, Remove And Reinstall Fire Hydrant	1,065.71	
33 12 19 00-0102 EA Reset Fire Hydrant Upper Barrel	869.79	
Note: Includes Safety Repair Kit		
33 12 33 Water Utility Metering (33 12)		
33 12 33 00-0001 Bronze Disk Type Water Service Meters (33 12 33)		
33 12 33 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	149.79	56.28
33 12 33 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	185.94	67.10
33 12 33 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	241.70	76.84
33 12 33 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	449.40	114.72
33 12 33 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	605.56	149.36
33 12 33 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 12 33)		
33 12 33 00-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	315.36	56.28
For Owner Furnished Material, Deduct		
	-258.40	
33 12 33 00-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	360.76	67.10
For Owner Furnished Material, Deduct		
	-293.12	
33 12 33 00-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	527.06	76.84
For Owner Furnished Material, Deduct		
	-449.76	
33 12 33 00-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	885.21	114.72
For Owner Furnished Material, Deduct		
	-770.08	
33 12 33 00-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,099.28	149.36
For Owner Furnished Material, Deduct		
	-948.96	
33 12 33 00-0013 EA Electronic Transmitter	247.25	27.06
Note: For use with transmitting meter valve.		
For Owner Furnished Material, Deduct		
	-220.19	
33 12 33 00-0014 Flanged Compound Type Water Service Meter (33 12 33)		
33 12 33 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,707.12	174.23
33 12 33 00-0016 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	2,113.32	231.41
33 12 33 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,384.65	320.76
33 12 33 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,793.36	474.16
33 12 33 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,408.20	622.59
33 12 33 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,694.08	754.58
33 12 33 00-0021 Flanged Turbine Water Service Meter (33 12 33)		
33 12 33 00-0022 Vertical Turbine Meters (33 12 33 00-0021)		
33 12 33 00-0023 EA 1-1/2" Diameter, 0-100 GPM Vertical Turbine Meter, Flanged	529.25	137.47
33 12 33 00-0024 EA 2" Diameter, 0-160 GPM Vertical Turbine Meter, Flanged	719.53	174.23
33 12 33 00-0025 EA 3" Diameter, 0-350 GPM Vertical Turbine Meter, Flanged	1,234.94	285.00
33 12 33 00-0026 EA 4" Diameter, 0-650 GPM Vertical Turbine Meter, Flanged	1,782.14	394.67
33 12 33 00-0027 EA 6" Diameter, 0-1300 GPM Vertical Turbine Meter, Flanged	3,223.65	580.85
33 12 33 00-0028 Horizontal Turbine Meters (33 12 33 00-0021)		
33 12 33 00-0029 EA 1-1/2" Diameter, 0-120 GPM Horizontal Turbine Meter, Flanged	732.66	137.47
33 12 33 00-0030 EA 2" Diameter, 0-160 GPM Horizontal Turbine Meter, Flanged	1,009.91	174.23
33 12 33 00-0031 EA 3" Diameter, 0-600 GPM Horizontal Turbine Meter, Flanged	1,351.37	285.00
33 12 33 00-0032 EA 4" Diameter, 0-1,000 GPM Horizontal Turbine Meter, Flanged	1,936.03	394.67
33 12 33 00-0033 EA 6" Diameter, 0-2,000 GPM Horizontal Turbine Meter, Flanged	3,784.36	580.85
33 12 33 00-0034 EA 8" Diameter, 0-3,500 GPM Horizontal Turbine Meter, Flanged	5,060.39	762.36



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Equipment	33 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 33 00-0035 EA 10" Diameter, 0-5,500 GPM Horizontal Turbine Meter, Flanged	6,907.62	924.02
33 12 33 00-0036 EA 12" Diameter, 0-6,600 GPM Horizontal Turbine Meter, Flanged	8,158.57	1,125.65

33 13 Disinfecting of Water Utility Distribution (33 10)

33 13 00 00-0001 Water Main Disinfection/Sterilization (33 13)

Note: Gas chlorination. Continuous or plug method.

33 13 00 00-0002 EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	775.23	
33 13 00 00-0003 EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	387.61	
33 13 00 00-0004 LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.29	
For >250 To 500, Deduct	-0.01	
For >500 To 1,000, Deduct	-0.03	
For >1,000 To 2,000, Deduct	-0.04	
For >2,000 To 5,000, Deduct	-0.06	
For >5,000, Deduct	-0.07	
33 13 00 00-0005 LF 6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.45	
For >250 To 500, Deduct	-0.02	
For >500 To 1,000, Deduct	-0.05	
For >1,000 To 2,000, Deduct	-0.07	
For >2,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.11	
33 13 00 00-0006 LF 8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.58	
For >250 To 500, Deduct	-0.03	
For >500 To 1,000, Deduct	-0.06	
For >1,000 To 2,000, Deduct	-0.09	
For >2,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.15	
33 13 00 00-0007 LF 10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.69	
For >250 To 500, Deduct	-0.03	
For >500 To 1,000, Deduct	-0.07	
For >1,000 To 2,000, Deduct	-0.10	
For >2,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.17	
33 13 00 00-0008 LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.89	
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.13	
For >2,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.22	
33 13 00 00-0009 LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization.....	1.01	
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.10	
For >1,000 To 2,000, Deduct	-0.15	
For >2,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.25	
33 13 00 00-0010 LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization.....	1.16	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.12	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000 To 5,000, Deduct	-0.23	
For >5,000, Deduct	-0.29	
33 13 00 00-0011 LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization.....	1.37	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.14	
For >1,000 To 2,000, Deduct	-0.21	
For >2,000 To 5,000, Deduct	-0.27	
For >5,000, Deduct	-0.34	
33 13 00 00-0012 LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization.....	1.76	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.44	
33 13 00 00-0013 LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization.....	2.58	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.26	
For >1,000 To 2,000, Deduct	-0.39	
For >2,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-0.65	
33 13 00 00-0014 LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.58	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000 To 5,000, Deduct	-0.72	
For >5,000, Deduct	-0.90	

33 16 Water Utility Storage Tanks (33 10)

33 16 13 Aboveground Water Utility Storage Tanks (33 16)

33 16 13 13 Steel Aboveground Water Utility Storage Tanks (33 16 13)

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 16 16 Underground Water Utility Storage Tanks (33 16)

33 Utilities**33 10 Water Utilities****33 16 Water Utility Storage Tanks**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 20 Wells ⁽³³⁾**33 21 Water Supply Wells** ^(33 20)**33 21 13 Public Water Supply Wells** ^(33 21)33 21 13 00-0001 Drill And Test Water Well ^(33 21 13)33 21 13 00-0002 Drill Hole ^(33 21 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization ^(33 21 13 00-0002)

33 21 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	731.51
33 21 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	906.78
33 21 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,360.16

33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. ^(33 21 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 21 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.57
		For >100 To 250, Add	0.44
		For >250 To 400, Add	0.88
		For >400 To 600, Add	1.32
		For >600 To 750, Add	1.76
		For >750, Add	2.20
33 21 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.86
		For >100 To 250, Add	0.52
		For >250 To 400, Add	1.04
		For >400 To 600, Add	1.56
		For >600 To 750, Add	2.09
		For >750, Add	2.61
33 21 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.88
		For >100 To 250, Add	0.70
		For >250 To 400, Add	1.39
		For >400 To 600, Add	2.09
		For >600 To 750, Add	2.79
		For >750, Add	3.49
33 21 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.64
		For >100 To 250, Add	1.09
		For >250 To 400, Add	2.18
		For >400 To 600, Add	3.27
		For >600 To 750, Add	4.36
		For >750, Add	5.46
33 21 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.79
		For >100 To 250, Add	1.57
		For >250 To 400, Add	3.14
		For >400 To 600, Add	4.71
		For >600 To 750, Add	6.28
		For >750, Add	7.85
33 21 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	82.07
		For >100 To 250, Add	2.05
		For >250 To 400, Add	4.10
		For >400 To 600, Add	6.16
		For >600 To 750, Add	8.21
		For >750, Add	10.26
33 21 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	97.48
		For >100 To 250, Add	2.44
		For >250 To 400, Add	4.87
		For >400 To 600, Add	7.31
		For >600 To 750, Add	9.75
		For >750, Add	12.19
33 21 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	113.35
		For >100 To 250, Add	2.83
		For >250 To 400, Add	5.67
		For >400 To 600, Add	8.50
		For >600 To 750, Add	11.34
		For >750, Add	14.17
33 21 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	133.19
		For >100 To 250, Add	3.33
		For >250 To 400, Add	6.66
		For >400 To 600, Add	9.99
		For >600 To 750, Add	13.32
		For >750, Add	16.65
33 21 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	156.99
		For >100 To 250, Add	3.92
		For >250 To 400, Add	7.85
		For >400 To 600, Add	11.77
		For >600 To 750, Add	15.70
		For >750, Add	19.62
33 21 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	169.68
		For >100 To 250, Add	4.24
		For >250 To 400, Add	8.48
		For >400 To 600, Add	12.73
		For >600 To 750, Add	16.97
		For >750, Add	21.21



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	186.68	
For >100 To 250, Add	4.67	
For >250 To 400, Add	9.33	
For >400 To 600, Add	14.00	
For >600 To 750, Add	18.67	
For >750, Add	23.34	
33 21 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	204.48	
For >100 To 250, Add	5.11	
For >250 To 400, Add	10.22	
For >400 To 600, Add	15.34	
For >600 To 750, Add	20.45	
For >750, Add	25.56	
33 21 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	254.36	
For >100 To 250, Add	6.36	
For >250 To 400, Add	12.72	
For >400 To 600, Add	19.08	
For >600 To 750, Add	25.44	
For >750, Add	31.80	
33 21 13 00-0022 Drill Hole In Sedimentary Rock (33 21 13 00-0002)		
33 21 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	35.82	
For >100 To 250, Add	0.90	
For >250 To 400, Add	1.79	
For >400 To 600, Add	2.69	
For >600 To 750, Add	3.58	
For >750, Add	4.48	
33 21 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	41.71	
For >100 To 250, Add	1.04	
For >250 To 400, Add	2.09	
For >400 To 600, Add	3.13	
For >600 To 750, Add	4.17	
For >750, Add	5.21	
33 21 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	66.78	
For >100 To 250, Add	1.67	
For >250 To 400, Add	3.34	
For >400 To 600, Add	5.01	
For >600 To 750, Add	6.68	
For >750, Add	8.35	
33 21 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	87.32	
For >100 To 250, Add	2.18	
For >250 To 400, Add	4.37	
For >400 To 600, Add	6.55	
For >600 To 750, Add	8.73	
For >750, Add	10.92	
33 21 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	125.68	
For >100 To 250, Add	3.14	
For >250 To 400, Add	6.28	
For >400 To 600, Add	9.43	
For >600 To 750, Add	12.57	
For >750, Add	15.71	
33 21 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	164.04	
For >100 To 250, Add	4.10	
For >250 To 400, Add	8.20	
For >400 To 600, Add	12.30	
For >600 To 750, Add	16.40	
For >750, Add	20.51	
33 21 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	195.05	
For >100 To 250, Add	4.88	
For >250 To 400, Add	9.75	
For >400 To 600, Add	14.63	
For >600 To 750, Add	19.51	
For >750, Add	24.38	
33 21 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	226.33	
For >100 To 250, Add	5.66	
For >250 To 400, Add	11.32	
For >400 To 600, Add	16.97	
For >600 To 750, Add	22.63	
For >750, Add	28.29	
33 21 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	266.59	
For >100 To 250, Add	6.66	
For >250 To 400, Add	13.33	
For >400 To 600, Add	19.99	
For >600 To 750, Add	26.66	
For >750, Add	33.32	
33 21 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	307.95	
For >100 To 250, Add	7.70	
For >250 To 400, Add	15.40	
For >400 To 600, Add	23.10	
For >600 To 750, Add	30.80	
For >750, Add	38.49	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	339.37	
For >100 To 250, Add	8.48	
For >250 To 400, Add	16.97	
For >400 To 600, Add	25.45	
For >600 To 750, Add	33.94	
For >750, Add	42.42	
33 21 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	373.37	
For >100 To 250, Add	9.33	
For >250 To 400, Add	18.67	
For >400 To 600, Add	28.00	
For >600 To 750, Add	37.34	
For >750, Add	46.67	
33 21 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	408.95	
For >100 To 250, Add	10.22	
For >250 To 400, Add	20.45	
For >400 To 600, Add	30.67	
For >600 To 750, Add	40.90	
For >750, Add	51.12	
33 21 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	508.70	
For >100 To 250, Add	12.72	
For >250 To 400, Add	25.44	
For >400 To 600, Add	38.15	
For >600 To 750, Add	50.87	
For >750, Add	63.59	
33 21 13 00-0037 Drill Hole In Crystalline Rock (33 21 13 00-0002)		
33 21 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock	73.68	
For >100 To 250, Add	1.84	
For >250 To 400, Add	3.68	
For >400 To 600, Add	5.53	
For >600 To 750, Add	7.37	
For >750, Add	9.21	
33 21 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock	85.01	
For >100 To 250, Add	2.13	
For >250 To 400, Add	4.25	
For >400 To 600, Add	6.38	
For >600 To 750, Add	8.50	
For >750, Add	10.63	
33 21 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock	97.48	
For >100 To 250, Add	2.44	
For >250 To 400, Add	4.87	
For >400 To 600, Add	7.31	
For >600 To 750, Add	9.75	
For >750, Add	12.19	
33 21 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock	123.55	
For >100 To 250, Add	3.09	
For >250 To 400, Add	6.18	
For >400 To 600, Add	9.27	
For >600 To 750, Add	12.36	
For >750, Add	15.44	
33 21 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock	159.82	
For >100 To 250, Add	4.00	
For >250 To 400, Add	7.99	
For >400 To 600, Add	11.99	
For >600 To 750, Add	15.98	
For >750, Add	19.98	
33 21 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock	232.36	
For >100 To 250, Add	5.81	
For >250 To 400, Add	11.62	
For >400 To 600, Add	17.43	
For >600 To 750, Add	23.24	
For >750, Add	29.05	
33 21 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock	276.56	
For >100 To 250, Add	6.91	
For >250 To 400, Add	13.83	
For >400 To 600, Add	20.74	
For >600 To 750, Add	27.66	
For >750, Add	34.57	
33 21 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock	320.78	
For >100 To 250, Add	8.02	
For >250 To 400, Add	16.04	
For >400 To 600, Add	24.06	
For >600 To 750, Add	32.08	
For >750, Add	40.10	
33 21 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock	377.45	
For >100 To 250, Add	9.44	
For >250 To 400, Add	18.87	
For >400 To 600, Add	28.31	
For >600 To 750, Add	37.75	
For >750, Add	47.18	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	436.39	
<i>For >100 To 250, Add</i>	10.91	
<i>For >250 To 400, Add</i>	21.82	
<i>For >400 To 600, Add</i>	32.73	
<i>For >600 To 750, Add</i>	43.64	
<i>For >750, Add</i>	54.55	
33 21 13 00-0048 Furnish And Install Casing <small>(33 21 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 21 13 00-0049 Steel Well Casing <small>(33 21 13 00-0048)</small>		
33 21 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	25.00	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 400, Deduct</i>	-1.43	
<i>For >400 To 600, Deduct</i>	-2.14	
<i>For >600 To 750, Deduct</i>	-2.85	
<i>For >750, Deduct</i>	-3.79	
33 21 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	31.10	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 400, Deduct</i>	-1.77	
<i>For >400 To 600, Deduct</i>	-2.66	
<i>For >600 To 750, Deduct</i>	-3.55	
<i>For >750, Deduct</i>	-4.72	
33 21 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	45.17	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 400, Deduct</i>	-2.52	
<i>For >400 To 600, Deduct</i>	-3.78	
<i>For >600 To 750, Deduct</i>	-5.04	
<i>For >750, Deduct</i>	-6.65	
33 21 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	74.00	
<i>For >100 To 250, Deduct</i>	-2.17	
<i>For >250 To 400, Deduct</i>	-4.02	
<i>For >400 To 600, Deduct</i>	-6.02	
<i>For >600 To 750, Deduct</i>	-8.03	
<i>For >750, Deduct</i>	-10.45	
33 21 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	84.21	
<i>For >100 To 250, Deduct</i>	-2.54	
<i>For >250 To 400, Deduct</i>	-4.65	
<i>For >400 To 600, Deduct</i>	-6.98	
<i>For >600 To 750, Deduct</i>	-9.30	
<i>For >750, Deduct</i>	-12.20	
33 21 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	99.26	
<i>For >100 To 250, Deduct</i>	-3.03	
<i>For >250 To 400, Deduct</i>	-5.51	
<i>For >400 To 600, Deduct</i>	-8.26	
<i>For >600 To 750, Deduct</i>	-11.02	
<i>For >750, Deduct</i>	-14.48	
33 21 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	114.15	
<i>For >100 To 250, Deduct</i>	-3.54	
<i>For >250 To 400, Deduct</i>	-6.39	
<i>For >400 To 600, Deduct</i>	-9.59	
<i>For >600 To 750, Deduct</i>	-12.79	
<i>For >750, Deduct</i>	-16.87	
33 21 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	131.03	
<i>For >100 To 250, Deduct</i>	-4.12	
<i>For >250 To 400, Deduct</i>	-7.40	
<i>For >400 To 600, Deduct</i>	-11.09	
<i>For >600 To 750, Deduct</i>	-14.79	
<i>For >750, Deduct</i>	-19.58	
33 21 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	152.61	
<i>For >100 To 250, Deduct</i>	-4.76	
<i>For >250 To 400, Deduct</i>	-8.58	
<i>For >400 To 600, Deduct</i>	-12.87	
<i>For >600 To 750, Deduct</i>	-17.16	
<i>For >750, Deduct</i>	-22.68	
33 21 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.91	
<i>For >100 To 250, Deduct</i>	-0.04	
<i>For >250 To 400, Deduct</i>	-0.06	
<i>For >400 To 600, Deduct</i>	-0.09	
<i>For >600 To 750, Deduct</i>	-0.12	
<i>For >750, Deduct</i>	-0.16	
33 21 13 00-0060 Stainless Steel Well Casing, Flush Threaded <small>(33 21 13 00-0048)</small>		
33 21 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush.....	55.98	
<i>For >100 To 250, Deduct</i>	-1.58	
<i>For >250 To 400, Deduct</i>	-2.97	
<i>For >400 To 600, Deduct</i>	-4.46	
<i>For >600 To 750, Deduct</i>	-5.95	
<i>For >750, Deduct</i>	-7.67	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush.....	83.73	
For >100 To 250, Deduct	-2.31	
For >250 To 400, Deduct	-4.41	
For >400 To 600, Deduct	-6.61	
For >600 To 750, Deduct	-8.81	
For >750, Deduct	-11.30	
33 21 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush.....	116.79	
For >100 To 250, Deduct	-3.20	
For >250 To 400, Deduct	-6.12	
For >400 To 600, Deduct	-9.18	
For >600 To 750, Deduct	-12.24	
For >750, Deduct	-15.67	
33 21 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush.....	135.87	
For >100 To 250, Deduct	-3.73	
For >250 To 400, Deduct	-7.13	
For >400 To 600, Deduct	-10.69	
For >600 To 750, Deduct	-14.25	
For >750, Deduct	-18.25	
33 21 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 21 13 00-0048)		
33 21 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	125.22	
For >100 To 250, Deduct	-3.62	
For >250 To 400, Deduct	-6.75	
For >400 To 600, Deduct	-10.13	
For >600 To 750, Deduct	-13.51	
For >750, Deduct	-17.52	
33 21 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	145.01	
For >100 To 250, Deduct	-4.19	
For >250 To 400, Deduct	-7.81	
For >400 To 600, Deduct	-11.72	
For >600 To 750, Deduct	-15.63	
For >750, Deduct	-20.26	
33 21 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	173.94	
For >100 To 250, Deduct	-4.98	
For >250 To 400, Deduct	-9.33	
For >400 To 600, Deduct	-13.99	
For >600 To 750, Deduct	-18.66	
For >750, Deduct	-24.15	
33 21 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	199.13	
For >100 To 250, Deduct	-5.70	
For >250 To 400, Deduct	-10.68	
For >400 To 600, Deduct	-16.02	
For >600 To 750, Deduct	-21.35	
For >750, Deduct	-27.63	
33 21 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	220.13	
For >100 To 250, Deduct	-6.33	
For >250 To 400, Deduct	-11.83	
For >400 To 600, Deduct	-17.75	
For >600 To 750, Deduct	-23.67	
For >750, Deduct	-30.66	
33 21 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	287.70	
For >100 To 250, Deduct	-8.18	
For >250 To 400, Deduct	-15.37	
For >400 To 600, Deduct	-23.05	
For >600 To 750, Deduct	-30.74	
For >750, Deduct	-39.70	
33 21 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	378.57	
For >100 To 250, Deduct	-10.69	
For >250 To 400, Deduct	-20.16	
For >400 To 600, Deduct	-30.24	
For >600 To 750, Deduct	-40.32	
For >750, Deduct	-52.00	
33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 (33 21 13 00-0048)		
33 21 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	24.89	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.39	
For >400 To 600, Deduct	-2.08	
For >600 To 750, Deduct	-2.77	
For >750, Deduct	-3.65	
33 21 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	39.49	
For >100 To 250, Deduct	-1.21	
For >250 To 400, Deduct	-2.19	
For >400 To 600, Deduct	-3.29	
For >600 To 750, Deduct	-4.39	
For >750, Deduct	-5.77	
33 21 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	59.70	
For >100 To 250, Deduct	-1.83	
For >250 To 400, Deduct	-3.32	
For >400 To 600, Deduct	-4.98	
For >600 To 750, Deduct	-6.64	
For >750, Deduct	-8.73	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	70.59	
<i>For >100 To 250, Deduct</i>	-2.17	
<i>For >250 To 400, Deduct</i>	-3.93	
<i>For >400 To 600, Deduct</i>	-5.90	
<i>For >600 To 750, Deduct</i>	-7.87	
<i>For >750, Deduct</i>	-10.36	
33 21 13 00-0078 Furnish And Install Well Screen Assembly (33 21 13 00-0001)		
33 21 13 00-0079 Stainless Steel Well Screen (33 21 13 00-0078)		
33 21 13 00-0080 LF 2" Stainless Steel Well Screen	18.29	1.40
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 400, Deduct</i>	-1.09	
<i>For >400 To 600, Deduct</i>	-1.64	
<i>For >600 To 750, Deduct</i>	-2.19	
<i>For >750, Deduct</i>	-2.97	
33 21 13 00-0081 LF 3" Stainless Steel Well Screen	28.40	1.40
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 400, Deduct</i>	-1.61	
<i>For >400 To 600, Deduct</i>	-2.42	
<i>For >600 To 750, Deduct</i>	-3.23	
<i>For >750, Deduct</i>	-4.29	
33 21 13 00-0082 LF 4" Stainless Steel Well Screen	35.69	2.11
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 400, Deduct</i>	-2.03	
<i>For >400 To 600, Deduct</i>	-3.05	
<i>For >600 To 750, Deduct</i>	-4.06	
<i>For >750, Deduct</i>	-5.40	
33 21 13 00-0083 LF 5" Stainless Steel Well Screen	45.00	2.11
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 400, Deduct</i>	-2.54	
<i>For >400 To 600, Deduct</i>	-3.81	
<i>For >600 To 750, Deduct</i>	-5.09	
<i>For >750, Deduct</i>	-6.74	
33 21 13 00-0084 LF 6" Stainless Steel Well Screen	54.24	2.81
<i>For >100 To 250, Deduct</i>	-1.75	
<i>For >250 To 400, Deduct</i>	-3.10	
<i>For >400 To 600, Deduct</i>	-4.65	
<i>For >600 To 750, Deduct</i>	-6.21	
<i>For >750, Deduct</i>	-8.26	
33 21 13 00-0085 LF 8" Stainless Steel Well Screen	70.73	3.51
<i>For >100 To 250, Deduct</i>	-2.27	
<i>For >250 To 400, Deduct</i>	-4.04	
<i>For >400 To 600, Deduct</i>	-6.05	
<i>For >600 To 750, Deduct</i>	-8.07	
<i>For >750, Deduct</i>	-10.74	
33 21 13 00-0086 LF 10" Stainless Steel Well Screen.....	90.01	5.62
<i>For >100 To 250, Deduct</i>	-2.92	
<i>For >250 To 400, Deduct</i>	-5.17	
<i>For >400 To 600, Deduct</i>	-7.76	
<i>For >600 To 750, Deduct</i>	-10.35	
<i>For >750, Deduct</i>	-13.81	
33 21 13 00-0087 LF 12" Stainless Steel Well Screen.....	105.58	7.03
<i>For >100 To 250, Deduct</i>	-3.43	
<i>For >250 To 400, Deduct</i>	-6.07	
<i>For >400 To 600, Deduct</i>	-9.10	
<i>For >600 To 750, Deduct</i>	-12.13	
<i>For >750, Deduct</i>	-16.19	
33 21 13 00-0088 LF 14" Stainless Steel Well Screen.....	116.19	7.74
<i>For >100 To 250, Deduct</i>	-3.81	
<i>For >250 To 400, Deduct</i>	-6.72	
<i>For >400 To 600, Deduct</i>	-10.07	
<i>For >600 To 750, Deduct</i>	-13.43	
<i>For >750, Deduct</i>	-17.97	
33 21 13 00-0089 LF 16" Stainless Steel Well Screen.....	126.01	9.14
<i>For >100 To 250, Deduct</i>	-4.17	
<i>For >250 To 400, Deduct</i>	-7.32	
<i>For >400 To 600, Deduct</i>	-10.98	
<i>For >600 To 750, Deduct</i>	-14.64	
<i>For >750, Deduct</i>	-19.62	
33 21 13 00-0090 LF 18" Stainless Steel Well Screen.....	151.47	10.54
<i>For >100 To 250, Deduct</i>	-5.04	
<i>For >250 To 400, Deduct</i>	-8.83	
<i>For >400 To 600, Deduct</i>	-13.24	
<i>For >600 To 750, Deduct</i>	-17.66	
<i>For >750, Deduct</i>	-23.70	
33 21 13 00-0091 LF 20" Stainless Steel Well Screen.....	191.01	13.35
<i>For >100 To 250, Deduct</i>	-6.35	
<i>For >250 To 400, Deduct</i>	-11.13	
<i>For >400 To 600, Deduct</i>	-16.69	
<i>For >600 To 750, Deduct</i>	-22.26	
<i>For >750, Deduct</i>	-29.87	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0092 LF 24" Stainless Steel Well Screen.....	247.93	17.58
For >100 To 250, Deduct	-8.27	
For >250 To 400, Deduct	-14.46	
For >400 To 600, Deduct	-21.70	
For >600 To 750, Deduct	-28.93	
For >750, Deduct	-38.85	
33 21 13 00-0093 LF 26" Stainless Steel Well Screen.....	285.62	20.39
For >100 To 250, Deduct	-9.48	
For >250 To 400, Deduct	-16.62	
For >400 To 600, Deduct	-24.94	
For >600 To 750, Deduct	-33.25	
For >750, Deduct	-44.61	
33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 21 13 00-0078)</small>		
33 21 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.52	
For >100 To 250, Deduct	-0.33	
For >250 To 400, Deduct	-0.54	
For >400 To 600, Deduct	-0.81	
For >600 To 750, Deduct	-1.09	
For >750, Deduct	-1.51	
For Schedule 80, Add	1.54	
33 21 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.59	
For >100 To 250, Deduct	-0.36	
For >250 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.91	
For >600 To 750, Deduct	-1.21	
For >750, Deduct	-1.67	
For Schedule 80, Add	1.84	
33 21 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	14.31	
For >100 To 250, Deduct	-0.58	
For >250 To 400, Deduct	-0.94	
For >400 To 600, Deduct	-1.41	
For >600 To 750, Deduct	-1.88	
For >750, Deduct	-2.64	
For Schedule 80, Add	2.15	
33 21 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	19.61	
For >100 To 250, Deduct	-0.73	
For >250 To 400, Deduct	-1.22	
For >400 To 600, Deduct	-1.83	
For >600 To 750, Deduct	-2.44	
For >750, Deduct	-3.37	
For Schedule 80, Add	3.99	
33 21 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	24.69	
For >100 To 250, Deduct	-0.92	
For >250 To 400, Deduct	-1.54	
For >400 To 600, Deduct	-2.31	
For >600 To 750, Deduct	-3.08	
For >750, Deduct	-4.24	
For Schedule 80, Add	5.00	
33 21 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	30.62	
For >100 To 250, Deduct	-1.13	
For >250 To 400, Deduct	-1.89	
For >400 To 600, Deduct	-2.84	
For >600 To 750, Deduct	-3.79	
For >750, Deduct	-5.21	
For Schedule 80, Add	6.44	
33 21 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	35.07	
For >100 To 250, Deduct	-1.36	
For >250 To 400, Deduct	-2.24	
For >400 To 600, Deduct	-3.36	
For >600 To 750, Deduct	-4.47	
For >750, Deduct	-6.22	
For Schedule 80, Add	6.29	
33 21 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	49.31	
For >100 To 250, Deduct	-1.85	
For >250 To 400, Deduct	-3.08	
For >400 To 600, Deduct	-4.63	
For >600 To 750, Deduct	-6.17	
For >750, Deduct	-8.52	
For Schedule 80, Add	9.82	
33 21 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 21 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 21 13 00-0104 Artificial Gravel Pack <small>(33 21 13 00-0103)</small>		
Note: Excludes casing.		
33 21 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	12.87	
For >100 To 250, Deduct	-0.52	
For >250 To 400, Deduct	-0.85	
For >400 To 600, Deduct	-1.27	
For >600 To 750, Deduct	-1.69	
For >750, Deduct	-2.38	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	19.20	
For >100 To 250, Deduct	-0.80	
For >250 To 400, Deduct	-1.28	
For >400 To 600, Deduct	-1.92	
For >600 To 750, Deduct	-2.55	
For >750, Deduct	-3.60	
33 21 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	27.11	
For >100 To 250, Deduct	-1.15	
For >250 To 400, Deduct	-1.83	
For >400 To 600, Deduct	-2.74	
For >600 To 750, Deduct	-3.66	
For >750, Deduct	-5.18	
33 21 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	34.52	
For >100 To 250, Deduct	-1.45	
For >250 To 400, Deduct	-2.31	
For >400 To 600, Deduct	-3.47	
For >600 To 750, Deduct	-4.62	
For >750, Deduct	-6.54	
33 21 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	42.32	
For >100 To 250, Deduct	-1.76	
For >250 To 400, Deduct	-2.82	
For >400 To 600, Deduct	-4.22	
For >600 To 750, Deduct	-5.63	
For >750, Deduct	-7.95	
33 21 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	54.30	
For >100 To 250, Deduct	-2.22	
For >250 To 400, Deduct	-3.58	
For >400 To 600, Deduct	-5.37	
For >600 To 750, Deduct	-7.16	
For >750, Deduct	-10.07	
33 21 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	62.10	
For >100 To 250, Deduct	-2.53	
For >250 To 400, Deduct	-4.08	
For >400 To 600, Deduct	-6.12	
For >600 To 750, Deduct	-8.16	
For >750, Deduct	-11.47	
33 21 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	74.13	
For >100 To 250, Deduct	-3.05	
For >250 To 400, Deduct	-4.90	
For >400 To 600, Deduct	-7.35	
For >600 To 750, Deduct	-9.80	
For >750, Deduct	-13.79	
33 21 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	84.08	
For >100 To 250, Deduct	-3.47	
For >250 To 400, Deduct	-5.57	
For >400 To 600, Deduct	-8.36	
For >600 To 750, Deduct	-11.14	
For >750, Deduct	-15.71	
33 21 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	90.08	
For >100 To 250, Deduct	-3.68	
For >250 To 400, Deduct	-5.93	
For >400 To 600, Deduct	-8.90	
For >600 To 750, Deduct	-11.87	
For >750, Deduct	-16.69	
33 21 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	108.04	
For >100 To 250, Deduct	-4.46	
For >250 To 400, Deduct	-7.16	
For >400 To 600, Deduct	-10.74	
For >600 To 750, Deduct	-14.32	
For >750, Deduct	-20.18	
33 21 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	126.25	
For >100 To 250, Deduct	-5.30	
For >250 To 400, Deduct	-8.46	
For >400 To 600, Deduct	-12.68	
For >600 To 750, Deduct	-16.91	
For >750, Deduct	-23.93	
33 21 13 00-0117 Develop Well <small>(33 21 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 21 13 00-0118 HR Develop Well.....	256.20	
33 21 13 00-0119 Pump Test <small>(33 21 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 21 13 00-0120 HR Pump Test Well	230.36	
33 21 13 00-0121 Test Well <small>(33 21 13 00-0001)</small>		
33 21 13 00-0122 VLF 2-1/2" Diameter Test Well.....	73.51	
33 21 13 00-0123 Surface Seal, Concrete Filled <small>(33 21 13)</small>		
33 21 13 00-0124 SF Surface Seal Well, Concrete Filled.....	25.21	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0125 Other Water Well <small>(33 21 13)</small>		
33 21 13 00-0126 SF Patch Hole In Well Casing	71.79	
33 21 13 00-0127 SF 1/2" Pressure Grout Well	2.01	
33 21 13 00-0128 SF 1" Pressure Grout Well	3.29	
33 21 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.39	
33 21 13 00-0130 Sterilization Of Well <small>(33 21 13)</small>		
33 21 13 00-0131 EA Well Sterilization, Chlorine	1,326.70	
33 21 13 00-0132 Submersible Well Pumps <small>(33 21 13)</small>		
Note: Includes pump end, motor and control box.		
33 21 13 00-0133 4" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,222.82	406.04
33 21 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,395.14	450.05
33 21 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,548.31	500.05
33 21 13 00-0138 Stainless Steel Case And Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,387.85	400.05
33 21 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,583.93	450.05
33 21 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,776.63	500.05
33 21 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,039.40	550.06
33 21 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,312.35	600.06
33 21 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,851.46	700.07
33 21 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,601.93	800.09
33 21 13 00-0146 6" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,460.57	1,000.11
33 21 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,000.69	1,100.12
33 21 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,562.52	1,200.13
33 21 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,772.99	1,400.15
33 26 Relief Wells <small>(33 20)</small>		
33 26 00 00-0001 Drainage Wells <small>(33 26)</small>		
33 26 00 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner	21.75	
33 26 00 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner	26.26	
33 26 00 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner	34.56	
33 30 Sanitary Sewerage Utilities <small>(33)</small>		
33 31 Sanitary Utility Sewerage Piping <small>(33 30)</small>		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill.		
33 31 00 00-0001 Plastic Sewer And Drain Piping <small>(33 31)</small>		
33 31 00 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 00 00-0001)</small>		
33 31 00 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.96	3.01
33 31 00 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.02	3.65
33 31 00 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.98	5.20
33 31 00 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.18	5.66
33 31 00 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.83	7.29
33 31 00 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.12	9.76
33 31 00 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	27.00	12.95
33 31 00 00-0010 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 00 00-0001)</small>		
Note: D-2729 PVC pipe.		
33 31 00 00-0011 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.18	5.68
33 31 00 00-0012 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.49	7.17
33 31 00 00-0013 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	17.61	10.76
33 31 00 00-0014 Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 00 00-0001)</small>		
33 31 00 00-0015 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0014)</small>		
33 31 00 00-0016 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.70	12.13
33 31 00 00-0017 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.11	15.69
33 31 00 00-0018 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.59	21.07
33 31 00 00-0019 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.59	24.36
33 31 00 00-0020 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	72.50	31.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0021 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	106.64	42.60
33 31 00 00-0022 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	141.56	56.74
33 31 00 00-0023 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0024 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	18.81	12.13
33 31 00 00-0025 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.10	15.69
33 31 00 00-0026 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.42	21.07
33 31 00 00-0027 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.76	24.36
33 31 00 00-0028 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.38	31.65
33 31 00 00-0029 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	101.73	42.60
33 31 00 00-0030 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	127.11	56.74
33 31 00 00-0031 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0032 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.85	11.95
33 31 00 00-0033 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.91	15.69
33 31 00 00-0034 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.33	21.53
33 31 00 00-0035 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.20	26.28
33 31 00 00-0036 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	63.26	30.38
33 31 00 00-0037 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.31	34.66
33 31 00 00-0038 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	116.92	40.41
33 31 00 00-0039 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0040 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.05	12.13
33 31 00 00-0041 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.35	15.69
33 31 00 00-0042 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.12	21.07
33 31 00 00-0043 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.07	24.36
33 31 00 00-0044 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	79.53	31.65
33 31 00 00-0045 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	116.88	42.60
33 31 00 00-0046 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.88	56.74
33 31 00 00-0047 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0048 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.47	15.69
33 31 00 00-0049 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.49	21.53
33 31 00 00-0050 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.98	21.53
33 31 00 00-0051 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.68	24.36
33 31 00 00-0052 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.92	24.36
33 31 00 00-0053 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.53	31.65
33 31 00 00-0054 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	106.26	37.40
33 31 00 00-0055 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.33	67.60
33 31 00 00-0056 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	140.31	67.60
33 31 00 00-0057 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	134.78	67.60
33 31 00 00-0058 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0059 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.36	18.34
33 31 00 00-0060 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.77	23.72
33 31 00 00-0061 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.31	31.29
33 31 00 00-0062 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.61	38.87
33 31 00 00-0063 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	100.91	42.60
33 31 00 00-0064 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	133.03	56.74
33 31 00 00-0065 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0066 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.24	18.34
33 31 00 00-0067 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.28	23.72
33 31 00 00-0068 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.97	31.29
33 31 00 00-0069 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.69	38.87
33 31 00 00-0070 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	96.91	42.60
33 31 00 00-0071 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	125.44	56.74
33 31 00 00-0072 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	166.40	75.72
33 31 00 00-0073 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0074 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.61	18.34
33 31 00 00-0075 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.62	23.72
33 31 00 00-0076 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.07	31.29
33 31 00 00-0077 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.22	38.87
33 31 00 00-0078 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.22	38.87
33 31 00 00-0079 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0080 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.26	23.72
33 31 00 00-0081 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.78	31.29
33 31 00 00-0082 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	75.72	42.24
33 31 00 00-0083 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	101.80	51.09

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0084 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.37	31.29
33 31 00 00-0085 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.55	42.24
33 31 00 00-0086 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	96.56	51.09
33 31 00 00-0087 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0088 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.33	18.34
33 31 00 00-0089 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.99	23.72
33 31 00 00-0090 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	56.10	31.29
33 31 00 00-0091 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.20	38.87
33 31 00 00-0092 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.71	23.72
33 31 00 00-0093 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	59.47	31.29
33 31 00 00-0094 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.79	31.29
33 31 00 00-0095 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	75.62	38.87
33 31 00 00-0096 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.06	38.87
33 31 00 00-0097 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0098 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.11	23.72
33 31 00 00-0099 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	51.88	31.29
33 31 00 00-0100 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	71.82	42.24
33 31 00 00-0101 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	121.48	51.09
33 31 00 00-0102 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	247.63	56.56
33 31 00 00-0103 Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0104 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	170.67	95.26
33 31 00 00-0105 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	264.96	122.90
33 31 00 00-0106 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	360.24	173.19
33 31 00 00-0107 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	551.01	278.60
33 31 00 00-0108 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0109 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	18.68	12.13
33 31 00 00-0110 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	23.84	15.60
33 31 00 00-0111 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	32.61	20.89
33 31 00 00-0112 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	38.51	24.36
33 31 00 00-0113 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	58.67	31.65
33 31 00 00-0114 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	96.08	42.60
33 31 00 00-0115 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	135.09	56.74
33 31 00 00-0116 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0117 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	109.08	69.93
33 31 00 00-0118 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	81.13	53.20
33 31 00 00-0119 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	81.74	53.20
33 31 00 00-0120 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	83.38	53.20
33 31 00 00-0121 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	109.53	69.93
33 31 00 00-0122 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	108.22	69.93
33 31 00 00-0123 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	106.07	69.93
33 31 00 00-0124 EA 4" Drain Grate, Drain And Sewer Fitting	55.45	35.97
33 31 00 00-0125 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0126 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	23.35	13.04
33 31 00 00-0127 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	32.82	16.24
33 31 00 00-0128 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	51.76	20.98
33 31 00 00-0129 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0014)		
33 31 00 00-0130 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	18.95	12.13
33 31 00 00-0131 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.52	15.69
33 31 00 00-0132 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.08	21.07
33 31 00 00-0133 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.16	24.36
33 31 00 00-0134 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.84	31.65
33 31 00 00-0135 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.20	42.60
33 31 00 00-0136 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0137 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	9.37	4.22
33 31 00 00-0138 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	12.09	4.56
33 31 00 00-0139 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	16.13	5.17
33 31 00 00-0140 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	21.37	6.09
33 31 00 00-0141 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	26.35	6.28
33 31 00 00-0142 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	41.06	10.33
33 31 00 00-0143 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	55.12	13.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0144 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	71.30	15.51
33 31 00 00-0145 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	86.47	17.72
33 31 00 00-0146 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	105.06	19.94
33 31 00 00-0147 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0148 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	8.39	4.22
33 31 00 00-0149 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	10.34	4.56
33 31 00 00-0150 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	13.29	5.17
33 31 00 00-0151 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 00 00-0001)		
Note: ASTM 3034.		
33 31 00 00-0152 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0153 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	53.45	21.80
33 31 00 00-0154 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	73.74	25.36
33 31 00 00-0155 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	135.21	28.74
33 31 00 00-0156 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	349.08	33.81
33 31 00 00-0157 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	450.62	43.10
33 31 00 00-0158 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0159 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	49.93	21.80
33 31 00 00-0160 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	69.86	25.36
33 31 00 00-0161 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	125.41	28.74
33 31 00 00-0162 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	256.78	33.81
33 31 00 00-0163 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	362.86	43.10
33 31 00 00-0164 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	753.07	60.86
33 31 00 00-0165 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,186.68	86.22
33 31 00 00-0166 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,956.57	114.11
33 31 00 00-0167 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,665.11	152.14
33 31 00 00-0168 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0169 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.68	32.72
33 31 00 00-0170 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.05	36.26
33 31 00 00-0171 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	129.43	38.04
33 31 00 00-0172 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	141.17	39.81
33 31 00 00-0173 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	158.53	41.58
33 31 00 00-0174 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	275.28	43.37
33 31 00 00-0175 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	343.86	44.37
33 31 00 00-0176 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	386.72	46.49
33 31 00 00-0177 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	555.13	48.26
33 31 00 00-0178 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	714.07	50.71
33 31 00 00-0179 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	422.64	54.02
33 31 00 00-0180 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	447.46	55.79
33 31 00 00-0181 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	621.27	57.56
33 31 00 00-0182 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	878.13	60.01
33 31 00 00-0183 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	987.29	64.67
33 31 00 00-0184 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0185 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	77.95	32.72
33 31 00 00-0186 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.96	36.26
33 31 00 00-0187 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	117.22	38.04
33 31 00 00-0188 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	137.27	39.81
33 31 00 00-0189 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	153.88	41.58
33 31 00 00-0190 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	219.72	43.37
33 31 00 00-0191 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	317.72	44.72
33 31 00 00-0192 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	324.78	46.49
33 31 00 00-0193 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	471.73	48.26
33 31 00 00-0194 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	519.93	50.71
33 31 00 00-0195 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	400.62	54.02
33 31 00 00-0196 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	413.26	55.79
33 31 00 00-0197 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	574.40	57.56
33 31 00 00-0198 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	684.81	60.01
33 31 00 00-0199 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	716.61	64.67
33 31 00 00-0200 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	881.63	77.77
33 31 00 00-0201 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	975.12	82.41
33 31 00 00-0202 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,209.98	91.29
33 31 00 00-0203 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0151)		
33 31 00 00-0204 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	53.14	21.80
33 31 00 00-0205 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	75.81	25.36
33 31 00 00-0206 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	105.15	28.91
33 31 00 00-0207 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	182.79	33.81
33 31 00 00-0208 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	255.55	43.10
33 31 00 00-0209 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	481.50	60.86

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0210 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	883.54	86.22
33 31 00 00-0211 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,451.06	114.11
33 31 00 00-0212 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,090.41	152.14
33 31 00 00-0213 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0214 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	87.52	23.59
33 31 00 00-0215 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	118.81	25.36
33 31 00 00-0216 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	125.59	27.13
33 31 00 00-0217 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	258.23	29.58
33 31 00 00-0218 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	294.71	31.36
33 31 00 00-0219 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	328.70	34.24
33 31 00 00-0220 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	374.68	36.01
33 31 00 00-0221 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	427.39	38.46
33 31 00 00-0222 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	638.86	51.98
33 31 00 00-0223 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0224 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	76.99	
33 31 00 00-0225 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	99.29	
33 31 00 00-0226 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	100.97	
33 31 00 00-0227 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	155.50	
33 31 00 00-0228 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	162.55	
33 31 00 00-0229 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	283.84	
33 31 00 00-0230 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	179.21	
33 31 00 00-0231 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	192.43	
33 31 00 00-0232 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	388.24	
33 31 00 00-0233 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	451.88	
33 31 00 00-0234 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	214.56	
33 31 00 00-0235 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	226.10	
33 31 00 00-0236 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0151)</small>		
33 31 00 00-0237 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	80.94	
33 31 00 00-0238 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	99.29	
33 31 00 00-0239 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	106.34	
33 31 00 00-0240 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.04	
33 31 00 00-0241 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	161.70	
33 31 00 00-0242 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	231.19	
33 31 00 00-0243 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	178.37	
33 31 00 00-0244 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	191.63	
33 31 00 00-0245 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	270.37	
33 31 00 00-0246 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	321.76	
33 31 00 00-0247 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	214.05	
33 31 00 00-0248 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	222.19	
33 31 00 00-0249 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	338.62	
33 31 00 00-0250 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	369.63	
33 31 00 00-0251 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	502.92	
33 31 00 00-0252 Couplings And Plug Fittings <small>(33 31)</small>		
33 31 00 00-0253 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 00 00-0252)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.		
33 31 00 00-0254 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.13	6.57
33 31 00 00-0255 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	18.82	7.67
33 31 00 00-0256 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	21.50	8.77
33 31 00 00-0257 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	24.13	9.31
33 31 00 00-0258 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	28.72	9.86
33 31 00 00-0259 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	33.34	10.96
33 31 00 00-0260 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	41.05	12.05
33 31 00 00-0261 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	49.48	12.60
33 31 00 00-0262 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	89.84	13.15
33 31 00 00-0263 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	121.25	14.25
33 31 00 00-0264 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	230.60	14.79
33 31 00 00-0265 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	267.50	15.62
33 31 00 00-0266 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	296.11	16.44
33 31 00 00-0267 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	354.31	17.53
33 31 00 00-0268 Cast Iron Service Saddles With U Bolt <small>(33 31)</small>		
33 31 00 00-0269 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	95.28	
33 31 00 00-0270 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	95.71	
33 31 00 00-0271 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	105.50	
33 31 00 00-0272 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	101.81	
33 31 00 00-0273 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	114.56	
33 31 00 00-0274 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	128.38	
33 31 00 00-0275 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	151.90	



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Utility Sewerage Piping	33 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0276 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	127.92	
33 31 00 00-0277 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	137.23	
33 31 00 00-0278 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	161.48	
33 31 00 00-0279 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	104.26	
33 31 00 00-0280 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	114.04	
33 31 00 00-0281 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	134.10	
33 31 00 00-0282 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	158.93	
33 31 00 00-0283 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	170.23	

33 32 Wastewater Utility Pumping Stations (33 30)

33 32 16 Packaged Utility Wastewater Pumping Stations (33 32)

33 32 16 13 Packaged Sewage Grinder Pumping Units (33 32 16)

33 32 16 13-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16 13)

33 32 16 13-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,067.34	324.89
Note: Zoeller 840 series.		
33 32 16 13-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,038.04	324.89
Note: Zoeller 840 series.		
33 32 16 13-0004 EA Simplex Control Panel With Auto Reversing Switch.....	977.43	108.26
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,521.99	108.26
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,305.25	

33 32 16 13-0007 Submersible Grinder Pumps (33 32 16 13)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 13-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,500.88	600.06
33 32 16 13-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,277.65	700.07
33 32 16 13-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,453.13	900.10

33 36 Utility Septic Tanks (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 36 13 Utility Septic Tank And Effluent Wet Wells (33 36)

33 36 13 00-0001 Septic Tank (33 36 13)

Note: Excludes excavation or piping.

33 36 13 00-0002 Precast Concrete Septic Tank (33 36 13 00-0001)

Note: Includes external coating.

33 36 13 00-0003 EA 1,000 Gallon Precast Septic Tank.....	2,383.90	600.06
For Non-Traffic Rated, Deduct	-411.75	
33 36 13 00-0004 EA 1,250 Gallon Precast Septic Tank.....	2,837.86	662.38
For Non-Traffic Rated, Deduct	-506.16	
33 36 13 00-0005 EA 1,500 Gallon Precast Septic Tank.....	3,275.46	724.58
For Non-Traffic Rated, Deduct	-596.46	
33 36 13 00-0006 EA 2,000 Gallon Precast Septic Tank.....	4,137.83	787.58
For Non-Traffic Rated, Deduct	-793.42	
33 36 13 00-0007 EA 2,500 Gallon Precast Septic Tank.....	4,998.47	1,087.62
For Non-Traffic Rated, Deduct	-916.94	
33 36 13 00-0008 EA 4,000 Gallon Precast Septic Tank.....	12,656.30	1,500.16
For Non-Traffic Rated, Deduct	-2,704.02	
33 36 13 00-0009 EA 5,000 Gallon Precast Septic Tank.....	22,791.95	2,250.25
For Non-Traffic Rated, Deduct	-5,009.88	
33 36 13 00-0010 EA 7,500 Gallon Precast Septic Tank.....	25,835.12	3,150.35
For Non-Traffic Rated, Deduct	-5,500.34	
33 36 13 00-0011 EA 10,000 Gallon Precast Septic Tank.....	31,641.39	3,769.21
For Non-Traffic Rated, Deduct	-6,760.22	
33 36 13 00-0012 EA 12,500 Gallon Precast Septic Tank.....	37,508.52	4,669.30
For Non-Traffic Rated, Deduct	-7,939.47	

33 36 13 00-0013 High Density Polyethylene Septic Tank (33 36 13 00-0001)

33 36 13 00-0014 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	827.74	199.23
33 36 13 00-0015 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,206.79	224.14
33 36 13 00-0016 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,647.05	273.94
33 36 13 00-0017 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,705.72	298.84
33 36 13 00-0018 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,958.13	323.75
33 36 13 00-0019 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,316.92	348.65
33 36 13 00-0020 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,636.49	249.04
33 36 13 00-0021 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,807.03	298.84
33 36 13 00-0022 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,102.49	323.75
33 36 13 00-0023 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,443.56	348.65

33 36 13 00-0024 Fiberglass Septic Tank (33 36 13 00-0001)

33 36 13 00-0025 EA 1,000 Gallon Fiberglass Septic Tank.....	1,150.60	450.05
33 36 13 00-0026 EA 1,250 Gallon Fiberglass Septic Tank.....	1,471.63	600.06

33 Utilities**33 30 Sanitary Sewerage Utilities****33 36 Utility Septic Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 36 13 00-0027 EA 1,500 Gallon Fiberglass Septic Tank	1,519.44	543.86
33 36 13 00-0028 EA 2,000 Gallon Fiberglass Septic Tank	1,848.55	588.77
33 36 13 00-0029 EA 2,500 Gallon Fiberglass Septic Tank	2,309.72	816.09
33 36 13 00-0030 EA 4,000 Gallon Fiberglass Septic Tank	5,170.26	1,125.12
33 36 13 00-0031 EA 5,000 Gallon Fiberglass Septic Tank	9,074.58	1,687.68
33 36 13 00-0032 EA 7,500 Gallon Fiberglass Septic Tank	10,583.51	2,362.75
33 36 13 00-0033 EA 10,000 Gallon Fiberglass Septic Tank	12,933.73	2,824.01
33 36 13 00-0034 Concrete Distribution Boxes <small>(33 36 13)</small> Note: Includes internal and external coating.		
33 36 13 00-0035 EA 3 Outlet Concrete Distribution Box	228.71	63.06
33 36 13 00-0036 EA 5 Outlet Concrete Distribution Box	267.86	75.68
33 36 13 00-0037 EA 8 Outlet Concrete Distribution Box	436.19	88.29
33 36 13 00-0038 EA 12 Outlet Concrete Distribution Box	844.70	151.36
33 36 13 00-0039 Dosing Siphon <small>(33 36 13)</small>		
33 36 13 00-0040 EA Dosing Siphon With Electrical Connection And Solenoid Valve	4,082.51	
33 36 13 00-0041 EA Solar Power Control For Dosing Siphon	2,789.32	
33 36 13 00-0042 EA Electrical Power Control For Dosing Siphon	2,680.76	
33 36 13 00-0043 Pump Out Septic Tanks <small>(33 36 13)</small>		
33 36 13 00-0044 GAL Pump Out Septic Tank And Dispose	0.48	
33 36 33 Utility Septic Tank Drainage Field <small>(33 36)</small>		
33 36 33 00-0001 Leaching Field Chambers - Precast Concrete <small>(33 36 33)</small>		
33 36 33 00-0002 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	917.48	68.81
33 36 33 00-0003 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,116.00	93.82
33 36 33 00-0004 Leaching Pit - Precast Concrete <small>(33 36 33)</small> Note: Includes external coating.		
33 36 33 00-0005 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	804.90	88.01
33 36 33 00-0006 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,135.25	125.01
33 36 33 00-0007 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	1,512.16	150.02
33 36 33 00-0008 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	2,459.89	250.03
33 36 33 00-0009 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	3,594.79	350.04
33 39 Sanitary Utility Sewerage Structures <small>(33 39)</small>		
33 39 13 Sanitary Utility Sewerage Manholes, Frames, And Covers <small>(33 39)</small> See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 33 44 19 00-0000 for oil separators.		
33 39 13 00-0001 Manholes <small>(33 39 13)</small>		
33 39 13 00-0002 Cast In Place Concrete, 8" Thick <small>(33 39 13 00-0001)</small> Note: Includes base, wall, top and block-out for openings.		
33 39 13 00-0003 48" Diameter <small>(33 39 13 00-0002)</small>		
33 39 13 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick	1,576.58	491.86
33 39 13 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick	2,175.55	672.92
33 39 13 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick	3,084.13	1,008.79
33 39 13 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'	380.76	126.15
33 39 13 00-0008 Precast Concrete Manholes <small>(33 39 13 00-0001)</small> Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.		
33 39 13 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0010 EA 4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,028.88	232.80
For 6" Thick Wall, Deduct	-79.61	
33 39 13 00-0011 EA 6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,437.15	318.36
For 6" Thick Wall, Deduct	-111.88	
33 39 13 00-0012 EA 8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,992.67	477.54
For 6" Thick Wall, Deduct	-151.51	
33 39 13 00-0013 VLF Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	245.39	63.67
For 6" Thick Wall, Deduct	-18.57	
33 39 13 00-0014 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0015 EA 4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,159.97	242.75
For 6" Thick Wall, Deduct	-91.72	
33 39 13 00-0016 EA 6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,614.90	331.89
For 6" Thick Wall, Deduct	-128.30	
33 39 13 00-0017 EA 8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	2,222.61	497.43
For 6" Thick Wall, Deduct	-172.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0018 VLF Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	272.60 -21.05	63.67
33 39 13 00-0019 4' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0020 EA 4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,295.14 -104.28	250.71
33 39 13 00-0021 EA 6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,796.48 -145.16	342.24
33 39 13 00-0022 EA 8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,457.66 -194.03	517.33
33 39 13 00-0023 VLF Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	300.61 -23.59	65.66
33 39 13 00-0024 VLF Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone..... <i>For 6" Thick Wall, Deduct</i>	366.11 -30.14	65.66
33 39 13 00-0025 5' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0026 EA 4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,596.27 -131.69	278.56
33 39 13 00-0027 EA 6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,195.83 -181.43	382.02
33 39 13 00-0028 EA 8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,972.56 -240.03	573.04
33 39 13 00-0029 VLF Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	361.43 -28.98	71.63
33 39 13 00-0030 VLF Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone..... <i>For 6" Thick Wall, Deduct</i>	432.22 -36.06	71.63
33 39 13 00-0031 6' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0032 EA 4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,924.70	310.40
33 39 13 00-0033 EA 6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,626.83	421.82
33 39 13 00-0034 EA 8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	3,527.28	636.71
33 39 13 00-0035 VLF Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	425.99	79.59
33 39 13 00-0036 VLF Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	491.49	79.59
33 39 13 00-0037 Brick Manholes <small>(33 39 13 00-0001)</small>		
33 39 13 00-0038 4' Inside Diameter x 8" Wall (2 Brick) <small>(33 39 13 00-0037)</small>		
33 39 13 00-0039 EA 4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,226.15	818.11
33 39 13 00-0040 EA 4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,257.08	1,204.86
33 39 13 00-0041 EA 4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	4,310.35	1,636.24
33 39 13 00-0042 VLF 4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'.....	558.50	204.53
33 39 13 00-0043 Manhole Accessories <small>(33 39 13)</small>		
33 39 13 00-0044 Precast Concrete Manhole Tops <small>(33 39 13 00-0043)</small>		
33 39 13 00-0045 Precast Concrete Manhole Slab Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0046 EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	416.65	59.69
33 39 13 00-0047 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab	491.19	62.08
33 39 13 00-0048 EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	574.75	64.47
33 39 13 00-0049 EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	769.87	69.24
33 39 13 00-0050 EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	918.18	74.02
33 39 13 00-0051 Precast Concrete Manhole Cone Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0052 EA 3' Diameter x 8" Thick Precast Manhole Top Cone	654.21	74.62
33 39 13 00-0053 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone	725.44	77.60
33 39 13 00-0054 EA 4' Diameter x 8" Thick Precast Manhole Top Cone	796.67	80.59
33 39 13 00-0055 EA 5' Diameter x 8" Thick Precast Manhole Top Cone	935.15	85.56
33 39 13 00-0056 EA 6' Diameter x 8" Thick Precast Manhole Top Cone	1,077.61	91.53
33 39 13 00-0057 Pipe To Manhole Connector <small>(33 39 13 00-0043)</small>		
33 39 13 00-0058 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 39 13 00-0057)</small>		
33 39 13 00-0059 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	65.33	
33 39 13 00-0060 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	90.13	
33 39 13 00-0061 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	101.91	
33 39 13 00-0062 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	144.69	
33 39 13 00-0063 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	198.30	
33 39 13 00-0064 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	266.10	
33 39 13 00-0065 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	457.01	
33 39 13 00-0066 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	629.32	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0067 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	966.12	
33 39 13 00-0068 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,145.68	
33 39 13 00-0069 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 39 13 00-0057)</small> Note: Ferroc CMA.		
33 39 13 00-0070 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	73.19	
33 39 13 00-0071 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	100.82	
33 39 13 00-0072 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	127.13	
33 39 13 00-0073 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	153.35	
33 39 13 00-0074 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	178.08	
33 39 13 00-0075 Brick And Grout Pipe To Manhole Connector <small>(33 39 13 00-0057)</small>		
33 39 13 00-0076 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	184.54	
33 39 13 00-0077 Inverts For Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0078 EA Single Channel Concrete Invert For Manholes.....	341.19	
33 39 13 00-0079 EA Double Channel Concrete Invert For Manholes.....	491.95	
33 39 13 00-0080 EA Triple Channel Concrete Invert For Manholes.....	662.61	
33 39 13 00-0081 EA Quad Channel Concrete Invert For Manholes.....	833.22	
33 39 13 00-0082 EA Single Channel Brick Invert For Manholes.....	473.96	
33 39 13 00-0083 EA Double Channel Brick Invert For Manholes.....	709.80	
33 39 13 00-0084 EA Triple Channel Brick Invert For Manholes.....	949.80	
33 39 13 00-0085 EA Quad Channel Brick Invert For Manholes.....	1,186.73	
33 39 13 00-0086 Steps For Cast-In-Place Manholes <small>(33 39 13 00-0043)</small> See CSI section 33 01 30 73-0067 for installation of steps in existing manholes.		
33 39 13 00-0087 EA Cast Iron Manhole Step For New Manholes.....	53.24	
33 39 13 00-0088 EA Galvanized Steel Manhole Step For New Manholes.....	40.50	
33 39 13 00-0089 EA Aluminum Manhole Step For New Manholes.....	38.02	
33 39 13 00-0090 EA Polypropylene Manhole Step For New Manholes.....	32.46	
33 39 13 00-0091 Protective Coating For New Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0092 Polyurethane Protective Coating For New Manholes <small>(33 39 13 00-0091)</small>		
33 39 13 00-0093 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	141.75	
For 80 Mil Material, Add	18.54	
For 100 Mil Material, Add	37.07	
For 125 Mil Material, Add	58.16	
For 150 Mil Material, Add	79.25	
For 200 Mil Material, Add	115.86	
For 2 To 5 Manholes, Deduct	-9.87	
For 6 To 10 Manholes, Deduct	-16.19	
For >10 Manholes, Deduct	-32.38	
33 39 13 00-0094 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	171.57	
For 80 Mil Material, Add	22.10	
For 100 Mil Material, Add	44.20	
For 125 Mil Material, Add	69.27	
For 150 Mil Material, Add	94.35	
For 200 Mil Material, Add	137.71	
For 2 To 5 Manholes, Deduct	-11.97	
For 6 To 10 Manholes, Deduct	-19.66	
For >10 Manholes, Deduct	-39.32	
33 39 13 00-0095 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	189.00	
For 80 Mil Material, Add	24.71	
For 100 Mil Material, Add	49.43	
For 125 Mil Material, Add	77.54	
For 150 Mil Material, Add	105.66	
For 200 Mil Material, Add	154.48	
For 2 To 5 Manholes, Deduct	-13.16	
For 6 To 10 Manholes, Deduct	-21.59	
For >10 Manholes, Deduct	-43.17	
33 39 13 00-0096 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	236.28	
For 80 Mil Material, Add	30.90	
For 100 Mil Material, Add	61.81	
For 125 Mil Material, Add	96.96	
For 150 Mil Material, Add	132.12	
For 200 Mil Material, Add	193.17	
For 2 To 5 Manholes, Deduct	-16.45	
For 6 To 10 Manholes, Deduct	-26.98	
For >10 Manholes, Deduct	-53.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0097 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	273.64	
<i>For 80 Mil Material, Add</i>	36.34	
<i>For 100 Mil Material, Add</i>	72.68	
<i>For 125 Mil Material, Add</i>	114.12	
<i>For 150 Mil Material, Add</i>	155.57	
<i>For 200 Mil Material, Add</i>	227.83	
<i>For 2 To 5 Manholes, Deduct</i>	-18.99	
<i>For 6 To 10 Manholes, Deduct</i>	-31.14	
<i>For >10 Manholes, Deduct</i>	-62.29	
33 39 13 00-0098 Polyvinyl Chloride (PVC) Liner <small>(33 39 13 00-0091)</small>		
Note: For new manholes and shop applied.		
33 39 13 00-0099 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	143.86	
33 39 13 00-0100 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	176.34	
33 39 13 00-0101 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	215.19	
33 39 13 00-0102 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	270.24	
33 39 13 00-0103 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	325.28	
33 39 13 00-0104 SF Polyvinyl Chloride (PVC) Liner At Structures	22.62	
33 39 13 00-0105 Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0043)</small>		
33 39 13 00-0106 18" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0107 EA 4" High, 8" Wall, 18" Diameter Concrete Grade Extension	79.50	
33 39 13 00-0108 EA 6" High, 8" Wall, 18" Diameter Concrete Grade Extension	88.24	
33 39 13 00-0109 EA 8" High, 8" Wall, 18" Diameter Concrete Grade Extension	96.98	
33 39 13 00-0110 EA 10" High, 8" Wall, 18" Diameter Concrete Grade Extension	88.58	
33 39 13 00-0111 24" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0112 EA 4" High, 8" Wall, 24" Diameter Concrete Grade Extension	89.45	
33 39 13 00-0113 EA 6" High, 8" Wall, 24" Diameter Concrete Grade Extension	99.38	
33 39 13 00-0114 EA 8" High, 8" Wall, 24" Diameter Concrete Grade Extension	109.31	
33 39 13 00-0115 EA 10" High, 8" Wall, 24" Diameter Concrete Grade Extension	119.24	
33 39 13 00-0116 30" Diameter <small>(33 39 13 00-0105)</small>		
33 39 13 00-0117 EA 4" High, 8" Wall, 30" Diameter Concrete Grade Extension	99.14	
33 39 13 00-0118 EA 6" High, 8" Wall, 30" Diameter Concrete Grade Extension	110.22	
33 39 13 00-0119 EA 8" High, 8" Wall, 30" Diameter Concrete Grade Extension	121.29	
33 39 13 00-0120 EA 10" High, 8" Wall, 30" Diameter Concrete Grade Extension	132.36	
33 39 13 00-0121 Bentonite Collar <small>(33 39 13 00-0043)</small>		
33 39 13 00-0122 Bentonite Collar At Manhole Connections <small>(33 39 13 00-0121)</small>		
33 39 13 00-0123 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	118.01	
33 39 13 00-0124 EA >12" To 21", Bentonite Collar At Manhole Connection	187.33	
33 39 13 00-0125 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	300.78	
33 39 13 00-0126 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	707.57	
33 39 13 00-0127 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,076.96	
33 39 13 00-0128 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,947.63	
33 39 13 00-0129 Manhole Covers And Frames <small>(33 39 13)</small>		
Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 39 13 00-0130 Regular Manhole Covers And Frames, City Type <small>(33 39 13 00-0129)</small>		
33 39 13 00-0131 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	438.17	68.45
<i>For Malleable Iron Castings, Add</i>	69.37	
<i>For Ductile Iron Castings, Add</i>	161.87	
<i>For Heavy Duty, Add</i>	163.71	
33 39 13 00-0132 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	652.28	68.45
<i>For Malleable Iron Castings, Add</i>	133.61	
<i>For Ductile Iron Castings, Add</i>	311.75	
<i>For Heavy Duty, Add</i>	238.64	
33 39 13 00-0133 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	665.99	74.82
<i>For Malleable Iron Castings, Add</i>	132.32	
<i>For Ductile Iron Castings, Add</i>	308.75	
<i>For Heavy Duty, Add</i>	244.34	
33 39 13 00-0134 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	687.40	74.82
<i>For Malleable Iron Castings, Add</i>	138.74	
<i>For Ductile Iron Castings, Add</i>	323.74	
<i>For Heavy Duty, Add</i>	251.84	
33 39 13 00-0135 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	748.36	79.59
<i>For Malleable Iron Castings, Add</i>	152.87	
<i>For Ductile Iron Castings, Add</i>	356.71	
<i>For Heavy Duty, Add</i>	273.87	
33 39 13 00-0136 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	824.12	88.34
<i>For Malleable Iron Castings, Add</i>	167.65	
<i>For Ductile Iron Castings, Add</i>	391.18	
<i>For Heavy Duty, Add</i>	301.71	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0137	EA		24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	967.57	88.34
			<i>For Malleable Iron Castings, Add</i>	210.68	
			<i>For Ductile Iron Castings, Add</i>	491.60	
			<i>For Heavy Duty, Add</i>	351.91	
33 39 13 00-0138	EA		26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	962.11	95.50
			<i>For Malleable Iron Castings, Add</i>	202.34	
			<i>For Ductile Iron Castings, Add</i>	472.12	
			<i>For Heavy Duty, Add</i>	351.12	
33 39 13 00-0139	EA		30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,088.52	99.49
			<i>For Malleable Iron Castings, Add</i>	237.02	
			<i>For Ductile Iron Castings, Add</i>	553.05	
			<i>For Heavy Duty, Add</i>	395.90	
33 39 13 00-0140			Watertight Type Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0141	EA		20" Diameter x 200 LB Watertight Manhole Cover With Frame	668.13	56.51
			<i>For Malleable Iron Castings, Add</i>	132.96	
			<i>For Ductile Iron Castings, Add</i>	310.25	
33 39 13 00-0142	EA		22" Diameter x 300 LB Watertight Manhole Cover With Frame	853.74	56.51
			<i>For Malleable Iron Castings, Add</i>	183.09	
			<i>For Ductile Iron Castings, Add</i>	427.20	
33 39 13 00-0143	EA		24" Diameter x 350 LB Watertight Manhole Cover With Frame	958.99	66.06
			<i>For Malleable Iron Castings, Add</i>	208.11	
			<i>For Ductile Iron Castings, Add</i>	485.59	
33 39 13 00-0144	EA		26" Diameter x 500 LB Watertight Manhole Cover With Frame	1,178.68	74.02
			<i>For Malleable Iron Castings, Add</i>	267.31	
			<i>For Ductile Iron Castings, Add</i>	623.71	
33 39 13 00-0145	EA		30" Diameter x 550 LB Watertight Manhole Cover With Frame	1,142.68	75.61
			<i>For Malleable Iron Castings, Add</i>	253.27	
			<i>For Ductile Iron Castings, Add</i>	590.96	
33 39 13 00-0146	EA		32" Diameter x 575 LB Watertight Manhole Cover With Frame	1,227.96	77.20
			<i>For Malleable Iron Castings, Add</i>	277.68	
			<i>For Ductile Iron Castings, Add</i>	647.93	
33 39 13 00-0147	EA		36" Diameter x 600 LB Watertight Manhole Cover With Frame	1,394.76	79.59
			<i>For Malleable Iron Castings, Add</i>	326.51	
			<i>For Ductile Iron Castings, Add</i>	761.85	
33 39 13 00-0148			Aluminum Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0149	EA		12" Square Aluminum Manhole Cover With Frame	375.07	24.10
33 39 13 00-0150	EA		18" Square Aluminum Manhole Cover With Frame	644.37	26.69
33 39 13 00-0151	EA		24" Square Aluminum Manhole Cover With Frame	904.86	30.99
33 39 13 00-0152			Remove And Reinstall Manhole Cover And Frame <small>(33 39 13 00-0129)</small>		
			Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 39 13 00-0153	EA		Remove And Reinstall Manhole Cover And Frame.....	319.10	
33 39 13 00-0154			Rainguard Inflow Protectors <small>(33 39 13 00-0129)</small>		
33 39 13 00-0155	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	95.62	17.93
33 39 13 00-0156	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	107.33	17.93
33 39 13 00-0157	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	128.42	21.52
33 39 13 00-0158	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	135.82	21.52
33 39 13 00-0159	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	166.65	25.11
33 39 13 00-0160	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	175.74	25.11
33 39 13 00-0161			Waste Water Collection System Taps <small>(33 39 13)</small>		
			Note: For tapping existing structures only. Includes grout.		
33 39 13 00-0162			Brick Manhole Taps <small>(33 39 13 00-0161)</small>		
33 39 13 00-0163	EA		4" Tap In 6" Brick Manhole.....	370.58	
33 39 13 00-0164	EA		6" Tap In 6" Brick Manhole.....	414.51	
33 39 13 00-0165	EA		8" Tap In 6" Brick Manhole.....	457.64	
33 39 13 00-0166	EA		10" Tap In 6" Brick Manhole.....	500.68	
33 39 13 00-0167	EA		12" Tap In 6" Brick Manhole.....	551.57	
33 39 13 00-0168	EA		15" Tap In 6" Brick Manhole.....	594.53	
33 39 13 00-0169			Precast Concrete Manhole Tap <small>(33 39 13 00-0161)</small>		
33 39 13 00-0170	EA		4" Tap In 8" Thick Precast Concrete Manhole	542.51	
33 39 13 00-0171	EA		6" Tap In 8" Thick Precast Concrete Manhole	608.38	
33 39 13 00-0172	EA		8" Tap In 8" Thick Precast Concrete Manhole	679.30	
33 39 13 00-0173	EA		10" Tap In 8" Thick Precast Concrete Manhole	743.87	
33 39 13 00-0174	EA		12" Tap In 8" Thick Precast Concrete Manhole	808.31	
33 39 13 00-0175	EA		15" Tap In 8" Thick Precast Concrete Manhole	874.31	

33 40 Storm Drainage Utilities (33)**33 41 Storm Utility Drainage Piping** (33 40)



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Piping includes hydrostatic testing, disinfecting and warning tape.

33 41 13	Public Storm Utility Drainage Piping (33 41)		
33 41 13 00-001	Reinforced Concrete Piping (33 41 13)		
33 41 13 00-002	Class 3 Reinforced Concrete Pipe Without Gaskets (33 41 13 00-0001)		
33 41 13 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	34.01	12.66
	For >1,000, Deduct	-1.70	
	For Class 4, Add	1.51	
	For Class 5, Add	4.78	
33 41 13 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	40.50	14.09
	For >1,000, Deduct	-2.03	
	For Class 4, Add	1.94	
	For Class 5, Add	6.11	
33 41 13 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	46.53	17.57
	For >1,000, Deduct	-2.33	
	For Class 4, Add	2.04	
	For Class 5, Add	6.43	
33 41 13 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	59.51	22.16
	For >1,000, Deduct	-2.98	
	For Class 4, Add	2.65	
	For Class 5, Add	8.36	
33 41 13 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	69.97	26.90
	For >1,000, Deduct	-3.50	
	For Class 4, Add	3.00	
	For Class 5, Add	9.46	
33 41 13 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	87.38	33.32
	For >1,000, Deduct	-4.37	
	For Class 4, Add	3.78	
	For Class 5, Add	11.94	
33 41 13 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	92.76	34.40
	For >1,000, Deduct	-4.64	
	For Class 4, Add	4.09	
	For Class 5, Add	12.91	
33 41 13 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	113.65	39.09
	For >1,000, Deduct	-5.68	
	For Class 4, Add	5.55	
	For Class 5, Add	17.51	
33 41 13 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	145.29	43.00
	For >1,000, Deduct	-7.26	
	For Class 4, Add	8.02	
	For Class 5, Add	25.34	
33 41 13 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	173.17	47.89
	For >1,000, Deduct	-8.66	
	For Class 4, Add	9.95	
	For Class 5, Add	31.43	
33 41 13 00-0013	LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	214.22	54.73
	For >1,000, Deduct	-10.71	
	For Class 4, Add	12.92	
	For Class 5, Add	40.81	
33 41 13 00-0014	LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	257.99	63.48
	For >1,000, Deduct	-12.90	
	For Class 4, Add	15.89	
	For Class 5, Add	50.19	
33 41 13 00-0015	LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	390.30	70.36
	For >1,000, Deduct	-19.52	
	For Class 4, Add	27.57	
	For Class 5, Add	87.07	
33 41 13 00-0016	LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	454.01	76.62
	For >1,000, Deduct	-22.70	
	For Class 4, Add	32.73	
	For Class 5, Add	103.37	
33 41 13 00-0017	LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	544.39	86.01
	For >1,000, Deduct	-27.22	
	For Class 4, Add	40.02	
	For Class 5, Add	126.38	
33 41 13 00-0018	LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	697.22	95.77
	For >1,000, Deduct	-34.86	
	For Class 4, Add	53.24	
	For Class 5, Add	168.12	
33 41 13 00-0019	HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 41 13 00-0001)		
33 41 13 00-0020	LF 18" x 12" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	51.62	19.44
	For >1,000, Deduct	-2.58	
	For Horizontal Elliptical - II (HE- II), Add	2.39	
	For Horizontal Elliptical - III (HE- III), Add	5.25	
	For Horizontal Elliptical - IV (HE- IV), Add	11.45	
33 41 13 00-0021	LF 23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	79.77	23.37
	For >1,000, Deduct	-3.99	
	For Horizontal Elliptical - II (HE- II), Add	4.64	
	For Horizontal Elliptical - III (HE- III), Add	10.21	
	For Horizontal Elliptical - IV (HE- IV), Add	22.27	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0022	LF	30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	111.81	35.78
			<i>For >1,000, Deduct</i>	-5.59	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.07	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	13.35	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	29.13	
33 41	13 00-0023	LF	34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	131.15	44.31
			<i>For >1,000, Deduct</i>	-6.56	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.79	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	14.93	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	32.57	
33 41	13 00-0024	LF	38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	145.64	46.29
			<i>For >1,000, Deduct</i>	-7.28	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	7.95	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	17.49	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	38.16	
33 41	13 00-0025	LF	42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	166.49	48.88
			<i>For >1,000, Deduct</i>	-8.32	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	9.67	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	21.27	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	46.40	
33 41	13 00-0026	LF	45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	187.37	51.46
			<i>For >1,000, Deduct</i>	-9.37	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.39	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	25.05	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	54.65	
33 41	13 00-0027	LF	53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	227.36	56.62
			<i>For >1,000, Deduct</i>	-11.37	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	14.65	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	32.22	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	70.30	
33 41	13 00-0028	LF	60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	273.21	63.69
			<i>For >1,000, Deduct</i>	-13.66	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.22	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	40.09	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	87.47	
33 41	13 00-0029	LF	68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	331.76	72.79
			<i>For >1,000, Deduct</i>	-16.59	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	22.78	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	50.11	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	109.33	
33 41	13 00-0030	LF	76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	410.65	84.44
			<i>For >1,000, Deduct</i>	-20.53	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	29.00	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	63.81	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	139.21	
33 41	13 00-0031		Concrete Reducing Wye Without Gaskets (33 41 13 00-0001)		
33 41	13 00-0032	EA	12" Concrete Reducing Wye Without Gaskets.....	384.24	48.24
33 41	13 00-0033	EA	15" Concrete Reducing Wye Without Gaskets.....	461.07	58.79
33 41	13 00-0034	EA	18" Concrete Reducing Wye Without Gaskets.....	567.49	64.81
33 41	13 00-0035	EA	21" Concrete Reducing Wye Without Gaskets.....	652.98	79.89
33 41	13 00-0036	EA	24" Concrete Reducing Wye Without Gaskets.....	739.67	96.47
33 41	13 00-0037		Concrete Pipe Joint Gaskets (33 41 13 00-0001)		
33 41	13 00-0038	EA	12" Diameter Concrete Pipe Joint Gasket.....	3.53	
33 41	13 00-0039	EA	15" Diameter Concrete Pipe Joint Gasket.....	4.18	
33 41	13 00-0040	EA	18" Diameter Concrete Pipe Joint Gasket.....	4.84	
33 41	13 00-0041	EA	21" Diameter Concrete Pipe Joint Gasket.....	5.85	
33 41	13 00-0042	EA	24" Diameter Concrete Pipe Joint Gasket.....	6.85	
33 41	13 00-0043	EA	27" Diameter Concrete Pipe Joint Gasket.....	7.63	
33 41	13 00-0044	EA	30" Diameter Concrete Pipe Joint Gasket.....	8.39	
33 41	13 00-0045	EA	36" Diameter Concrete Pipe Joint Gasket.....	10.25	
33 41	13 00-0046	EA	42" Diameter Concrete Pipe Joint Gasket.....	11.88	
33 41	13 00-0047	EA	48" Diameter Concrete Pipe Joint Gasket.....	13.70	
33 41	13 00-0048	EA	54" Diameter Concrete Pipe Joint Gasket.....	16.80	
33 41	13 00-0049	EA	60" Diameter Concrete Pipe Joint Gasket.....	24.86	
33 41	13 00-0050	EA	66" Diameter Concrete Pipe Joint Gasket.....	12.92	
33 41	13 00-0051	EA	72" Diameter Concrete Pipe Joint Gasket.....	26.80	
33 41	13 00-0052	EA	78" Diameter Concrete Pipe Joint Gasket.....	15.42	
33 41	13 00-0053	EA	84" Diameter Concrete Pipe Joint Gasket.....	18.49	
33 41	13 00-0054		Precast Concrete End Sections (33 41 13 00-0001)		
33 41	13 00-0055		Precast Concrete End Sections (33 41 13 00-0054)		
33 41	13 00-0056	EA	12" Diameter Pipe, Precast Concrete End Section.....	587.84	88.40
33 41	13 00-0057	EA	15" Diameter Pipe, Precast Concrete End Section.....	791.24	109.43
33 41	13 00-0058	EA	18" Diameter Pipe, Precast Concrete End Section.....	978.98	138.53
33 41	13 00-0059	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,121.92	165.66
33 41	13 00-0060	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,188.76	191.74
33 41	13 00-0061	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,479.54	232.99
33 41	13 00-0062	EA	30" Diameter Pipe, Precast Concrete End Section.....	1,824.46	349.96



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0063 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,249.99	441.59
33 41 13 00-0064 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,716.70	553.93
33 41 13 00-0065 EA 48" Diameter Pipe, Precast Concrete End Section.....	2,972.53	624.69
33 41 13 00-0066 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,237.18	699.75
33 41 13 00-0067 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,508.28	777.93
33 41 13 00-0068 EA 66" Diameter Pipe Precast Concrete End Section.....	3,564.48	642.53
33 41 13 00-0069 EA 72" Diameter Pipe Precast Concrete End Section.....	4,067.13	803.13
33 41 13 00-0070 EA 78" Diameter Pipe Precast Concrete End Section.....	4,824.34	1,003.92
33 41 13 00-0071 EA 84" Diameter Pipe Precast Concrete End Section.....	5,704.62	1,204.71
33 41 13 00-0072 Flared Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0073 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	739.16	91.09
33 41 13 00-0074 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	889.27	113.52
33 41 13 00-0075 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,077.96	143.70
33 41 13 00-0076 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,229.65	171.85
33 41 13 00-0077 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,503.43	198.90
33 41 13 00-0078 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,791.61	317.66
33 41 13 00-0079 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,834.48	437.36
33 41 13 00-0080 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,489.37	551.98
33 41 13 00-0081 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	2,978.90	692.56
33 41 13 00-0082 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,214.55	781.06
33 41 13 00-0083 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,595.19	874.80
33 41 13 00-0084 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	3,982.51	971.67
33 41 13 00-0085 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	4,649.07	1,119.52
33 41 13 00-0086 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	5,438.05	1,249.54
33 41 13 00-0087 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	6,169.66	1,405.67
33 41 13 00-0088 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	7,133.55	1,561.65
33 41 13 00-0089 Elliptical Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0090 EA 18" x 12" Elliptical Precast Concrete End Section.....	1,068.97	113.52
33 41 13 00-0091 EA 23" x 14" Elliptical Precast Concrete End Section.....	1,293.50	143.70
33 41 13 00-0092 EA 30" x 19" Elliptical Precast Concrete End Section.....	1,804.62	198.90
33 41 13 00-0093 EA 34" x 22" Elliptical Precast Concrete End Section.....	2,120.27	317.66
33 41 13 00-0094 EA 38" x 24" Elliptical Precast Concrete End Section.....	2,128.91	437.36
33 41 13 00-0095 EA 42" x 27" Elliptical Precast Concrete End Section.....	2,516.73	494.90
33 41 13 00-0096 EA 45" x 29" Elliptical Precast Concrete End Section.....	2,904.54	551.98
33 41 13 00-0097 EA 53" x 34" Elliptical Precast Concrete End Section.....	3,463.71	692.56
33 41 13 00-0098 EA 60" x 38" Elliptical Precast Concrete End Section.....	3,725.02	781.06
33 41 13 00-0099 EA 68" x 43" Elliptical Precast Concrete End Section.....	4,165.64	874.80
33 41 13 00-0100 EA 76" x 48" Elliptical Precast Concrete End Section.....	4,613.28	971.67
33 41 13 00-0101 Mitered Precast Concrete End Sections (33 41 13 00-0054)		
33 41 13 00-0102 EA 12" Round Mitered Precast Concrete End Sections.....	299.98	91.09
33 41 13 00-0103 EA 15" Round Mitered Precast Concrete End Sections.....	332.82	113.52
33 41 13 00-0104 EA 18" Round Mitered Precast Concrete End Sections.....	404.28	143.70
33 41 13 00-0105 EA 24" Round Mitered Precast Concrete End Sections.....	581.41	198.90
33 41 13 00-0106 EA 18" x 12" Elliptical Mitered Precast Concrete End Sections.....	353.27	113.52
33 41 13 00-0107 EA 23" x 14" Elliptical Mitered Precast Concrete End Sections.....	440.62	143.70
33 41 13 00-0108 EA 30" x 19" Elliptical Mitered Precast Concrete End Sections.....	625.68	198.90
33 41 13 00-0109 Prestressed Concrete Cylinder Piping (33 41 13)		
33 41 13 00-0110 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 41 13 00-0109)		
33 41 13 00-0111 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 41 13 00-0110)		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 41 13 00-0112 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	86.67	12.66
For >1,000, Deduct	-4.33	
For 100 PSI, Deduct	-17.15	
33 41 13 00-0113 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	92.67	14.09
For >1,000, Deduct	-4.63	
For 100 PSI, Deduct	-18.14	
33 41 13 00-0114 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	101.61	17.57
For >1,000, Deduct	-5.08	
For 100 PSI, Deduct	-19.13	
33 41 13 00-0115 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	112.14	22.16
For >1,000, Deduct	-5.61	
For 100 PSI, Deduct	-20.12	
33 41 13 00-0116 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	122.90	26.90
For >1,000, Deduct	-6.15	
For 100 PSI, Deduct	-21.12	
33 41 13 00-0117 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	144.29	34.40
For >1,000, Deduct	-7.21	
For 100 PSI, Deduct	-23.64	
33 41 13 00-0118 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	159.95	39.09
For >1,000, Deduct	-8.00	
For 100 PSI, Deduct	-26.17	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0119	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	184.99	43.00
			<i>For >1,000, Deduct</i>	-9.25	
			<i>For 100 PSI, Deduct</i>	-31.04	
33 41	13 00-0120	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	212.06	47.89
			<i>For >1,000, Deduct</i>	-10.60	
			<i>For 100 PSI, Deduct</i>	-35.91	
33 41	13 00-0121	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	280.05	61.62
			<i>For >1,000, Deduct</i>	-14.00	
			<i>For 100 PSI, Deduct</i>	-48.01	
33 41	13 00-0122	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	336.72	71.48
			<i>For >1,000, Deduct</i>	-16.84	
			<i>For 100 PSI, Deduct</i>	-58.65	
33 41	13 00-0123	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	377.97	79.23
			<i>For >1,000, Deduct</i>	-18.90	
			<i>For 100 PSI, Deduct</i>	-66.32	
33 41	13 00-0124	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	421.02	86.27
			<i>For >1,000, Deduct</i>	-21.05	
			<i>For 100 PSI, Deduct</i>	-74.45	
33 41	13 00-0125	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	477.93	96.83
			<i>For >1,000, Deduct</i>	-23.90	
			<i>For 100 PSI, Deduct</i>	-84.82	
33 41	13 00-0126	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	534.84	107.84
			<i>For >1,000, Deduct</i>	-26.74	
			<i>For 100 PSI, Deduct</i>	-95.20	
33 41	13 00-0127	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	658.71	125.88
			<i>For >1,000, Deduct</i>	-32.94	
			<i>For 100 PSI, Deduct</i>	-119.56	
33 41	13 00-0128	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	773.85	143.75
			<i>For >1,000, Deduct</i>	-38.69	
			<i>For 100 PSI, Deduct</i>	-142.12	
33 41	13 00-0129	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	899.36	155.82
			<i>For >1,000, Deduct</i>	-44.97	
			<i>For 100 PSI, Deduct</i>	-169.19	
33 41	13 00-0130	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,012.41	165.47
			<i>For >1,000, Deduct</i>	-50.62	
			<i>For 100 PSI, Deduct</i>	-194.01	
33 41	13 00-0131	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,215.69	175.12
			<i>For >1,000, Deduct</i>	-60.78	
			<i>For 100 PSI, Deduct</i>	-241.38	
33 41	13 00-0132	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,408.77	183.96
			<i>For >1,000, Deduct</i>	-70.44	
			<i>For 100 PSI, Deduct</i>	-286.50	
33 41	13 00-0133	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,533.30	192.79
			<i>For >1,000, Deduct</i>	-76.67	
			<i>For 100 PSI, Deduct</i>	-314.47	
33 41	13 00-0134	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,659.61	201.62
			<i>For >1,000, Deduct</i>	-82.98	
			<i>For 100 PSI, Deduct</i>	-342.89	
33 41	13 00-0135	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,785.03	210.46
			<i>For >1,000, Deduct</i>	-89.25	
			<i>For 100 PSI, Deduct</i>	-371.09	
33 41	13 00-0136	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,910.44	219.29
			<i>For >1,000, Deduct</i>	-95.52	
			<i>For 100 PSI, Deduct</i>	-399.29	
33 41	13 00-0137		150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets ⁽³³⁾		
			<small>#11 13 00-0110)</small>		
33 41	13 00-0138	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	329.46	118.70
33 41	13 00-0139	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	458.28	169.58
33 41	13 00-0140	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	592.99	226.10
33 41	13 00-0141	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	727.69	282.64
33 41	13 00-0142	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	887.26	351.22
33 41	13 00-0143	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,131.46	471.06
33 41	13 00-0144	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,383.11	547.29
33 41	13 00-0145	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,611.40	638.77
33 41	13 00-0146	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,818.58	729.46
33 41	13 00-0147	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,242.64	910.85
33 41	13 00-0148	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,947.52	1,232.41
33 41	13 00-0149	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,290.82	1,364.46
33 41	13 00-0150	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,634.13	1,496.49
33 41	13 00-0151	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,324.61	1,716.57
33 41	13 00-0152	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,010.24	1,936.64
33 41	13 00-0153	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,909.48	2,200.73
33 41	13 00-0154	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,803.87	2,464.82
33 41	13 00-0155	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,026.43	3,132.79
33 41	13 00-0156	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,196.36	3,759.34
33 41	13 00-0157	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,604.39	5,012.45
33 41	13 00-0158	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,953.12	6,265.58
33 41	13 00-0159	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,131.79	6,757.86
33 41	13 00-0160	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,313.78	7,250.16
33 41	13 00-0161	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,410.90	7,742.46
33 41	13 00-0162	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	26,720.04	8,234.75



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0163 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets ⁽³³⁾		
<small>41 13 00-0110</small>		
33 41 13 00-0164 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	311.05	118.70
33 41 13 00-0165 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	434.46	169.58
33 41 13 00-0166 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	564.83	226.10
33 41 13 00-0167 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	695.21	282.64
33 41 13 00-0168 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	850.44	351.22
33 41 13 00-0169 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,080.93	439.40
33 41 13 00-0170 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,325.36	547.29
33 41 13 00-0171 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,544.63	638.77
33 41 13 00-0172 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,746.75	729.46
33 41 13 00-0173 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,135.00	910.85
33 41 13 00-0174 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,850.30	1,232.41
33 41 13 00-0175 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,186.56	1,364.46
33 41 13 00-0176 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,522.82	1,496.49
33 41 13 00-0177 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,064.79	1,716.57
33 41 13 00-0178 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,601.91	1,936.64
33 41 13 00-0179 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,394.17	2,200.73
33 41 13 00-0180 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,181.57	2,464.82
33 41 13 00-0181 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,006.23	3,081.03
33 41 13 00-0182 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,985.29	3,759.34
33 41 13 00-0183 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,098.67	5,012.45
33 41 13 00-0184 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,152.75	6,265.58
33 41 13 00-0185 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,935.02	6,757.86
33 41 13 00-0186 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,720.61	8,234.75
33 41 13 00-0187 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,510.65	7,742.46
33 41 13 00-0188 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,542.71	8,234.75
33 41 13 00-0189 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0109)		
33 41 13 00-0190 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0189)		
<small>Note: AWWA C301</small>		
33 41 13 00-0191 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	168.02	34.40
<small>For >1,000, Deduct</small>	-8.40	
33 41 13 00-0192 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	203.79	39.09
<small>For >1,000, Deduct</small>	-10.19	
33 41 13 00-0193 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	237.03	43.00
<small>For >1,000, Deduct</small>	-11.85	
33 41 13 00-0194 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 41 13 00-0189)		
<small>Note: AWWA C301</small>		
33 41 13 00-0195 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	316.59	47.85
<small>For >1,000, Deduct</small>	-15.83	
33 41 13 00-0196 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	380.38	61.62
<small>For >1,000, Deduct</small>	-19.02	
33 41 13 00-0197 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	438.62	71.48
<small>For >1,000, Deduct</small>	-21.93	
33 41 13 00-0198 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	493.36	79.23
<small>For >1,000, Deduct</small>	-24.67	
33 41 13 00-0199 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	594.92	86.27
<small>For >1,000, Deduct</small>	-29.75	
33 41 13 00-0200 Welded Joints For Prestressed Concrete Cylinder Pipe ^(33 41 13 00-0189)		
<small>Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.</small>		
33 41 13 00-0201 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,149.47	
33 41 13 00-0202 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,234.61	
33 41 13 00-0203 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,277.18	
33 41 13 00-0204 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,447.48	
33 41 13 00-0205 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,490.05	
33 41 13 00-0206 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,575.19	
33 41 13 00-0207 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,617.77	
33 41 13 00-0208 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,660.34	
33 41 13 00-0209 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 41 13 00-0210 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 41 13 00-0211 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 41 13 00-0212 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 41 13 00-0213 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 41 13 00-0214 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 41 13 00-0215 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 41 13 00-0216 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 41 13 00-0217 Quick Test Joints ^(33 41 13 00-0189)		
33 41 13 00-0218 EA 30" Quick Test Joint.....	327.18	
33 41 13 00-0219 EA 36" Quick Test Joint.....	331.09	
33 41 13 00-0220 EA 42" Quick Test Joint.....	334.99	

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0221	EA	48" Quick Test Joint.....	342.55	
33 41	13 00-0222	EA	54" Quick Test Joint.....	361.15	
33 41	13 00-0223	EA	60" Quick Test Joint.....	376.02	
33 41	13 00-0224	EA	66" Quick Test Joint.....	396.97	
33 41	13 00-0225	EA	72" Quick Test Joint.....	417.91	
33 41	13 00-0226		Harnessed Joints (33 41 13 00-0189)		
33 41	13 00-0227		Harness Clamp Restrained Joints (33 41 13 00-0226)		
33 41	13 00-0228	EA	30" Harness Clamp Restrained Joint.....	2,854.19	
33 41	13 00-0229	EA	36" Harness Clamp Restrained Joint.....	2,965.47	
33 41	13 00-0230	EA	42" Harness Clamp Restrained Joint.....	3,076.74	
33 41	13 00-0231	EA	48" Harness Clamp Restrained Joint.....	3,188.03	
33 41	13 00-0232	EA	54" Harness Clamp Restrained Joint.....	3,309.15	
33 41	13 00-0233	EA	60" Harness Clamp Restrained Joint.....	3,479.00	
33 41	13 00-0234	EA	66" Harness Clamp Restrained Joint.....	3,595.19	
33 41	13 00-0235	EA	72" Harness Clamp Restrained Joint.....	3,850.94	
33 41	13 00-0236		Snap Ring Restrained Joints (33 41 13 00-0226)		
33 41	13 00-0237	EA	30" Snap Ring Restrained Joint.....	492.03	
33 41	13 00-0238	EA	36" Snap Ring Restrained Joint.....	560.36	
33 41	13 00-0239	EA	42" Snap Ring Restrained Joint.....	746.80	
33 41	13 00-0240	EA	48" Snap Ring Restrained Joint.....	847.35	
33 41	13 00-0241	EA	54" Snap Ring Restrained Joint.....	957.73	
33 41	13 00-0242	EA	60" Snap Ring Restrained Joint.....	1,084.64	
33 41	13 00-0243	EA	66" Snap Ring Restrained Joint.....	1,200.82	
33 41	13 00-0244	EA	72" Snap Ring Restrained Joint.....	1,338.47	
33 41	13 00-0245		Pipe Repairs (33 41 13 00-0189)		
			Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 41	13 00-0246		Lined Cylinder Pipe Repair (33 41 13 00-0245)		
33 41	13 00-0247	EA	30" Lined Cylinder Pipe Repair.....	4,868.77	
33 41	13 00-0248	EA	36" Lined Cylinder Pipe Repair.....	6,035.45	
33 41	13 00-0249	EA	42" Lined Cylinder Pipe Repair.....	6,551.52	
33 41	13 00-0250		Embedded Cylinder Pipe Repair (33 41 13 00-0245)		
			Note: Field welded concrete enclosure assembly with concrete pipe.		
33 41	13 00-0251	EA	48" Embedded Cylinder Pipe Repair.....	9,599.97	
33 41	13 00-0252	EA	54" Embedded Cylinder Pipe Repair.....	11,126.44	
33 41	13 00-0253	EA	60" Embedded Cylinder Pipe Repair.....	12,666.05	
33 41	13 00-0254	EA	66" Embedded Cylinder Pipe Repair.....	14,307.52	
33 41	13 00-0255	EA	72" Embedded Cylinder Pipe Repair.....	17,133.20	
33 41	13 00-0256		High Density Polyethylene (HDPE) Drainage Piping (33 41 13)		
33 41	13 00-0257		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0256)		
			Note: Excludes couplings and gaskets.		
33 41	13 00-0258		Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0257)		
33 41	13 00-0259	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.16	5.15
			For <100, Add	2.06	
			For >1,000, Deduct	-0.56	
33 41	13 00-0260	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.16	5.98
			For <100, Add	2.40	
			For >1,000, Deduct	-0.71	
33 41	13 00-0261	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.19	6.96
			For <100, Add	2.79	
			For >1,000, Deduct	-0.86	
33 41	13 00-0262	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.12	7.20
			For <100, Add	2.88	
			For >1,000, Deduct	-0.96	
33 41	13 00-0263	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.02	7.46
			For <100, Add	2.98	
			For >1,000, Deduct	-1.00	
33 41	13 00-0264	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.30	7.73
			For <100, Add	3.09	
			For >1,000, Deduct	-1.12	
33 41	13 00-0265	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.23	8.00
			For <100, Add	3.20	
			For >1,000, Deduct	-1.31	
33 41	13 00-0266	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.02	9.38
			For <100, Add	3.75	
			For >1,000, Deduct	-1.75	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0267 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	49.28 5.05 -2.46	12.62
33 41 13 00-0268 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	64.39 6.38 -3.22	15.96
33 41 13 00-0269 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0257)</small>		
33 41 13 00-0270 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.93 2.98 -1.00	7.46
33 41 13 00-0271 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.66 3.09 -1.13	7.73
33 41 13 00-0272 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.77 3.20 -1.34	8.00
33 41 13 00-0273 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.87 3.75 -1.79	9.38
33 41 13 00-0274 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	51.62 5.05 -2.58	12.62
33 41 13 00-0275 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	66.13 6.38 -3.31	15.96
33 41 13 00-0276 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	84.21 6.96 -4.21	17.41
33 41 13 00-0277 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	92.22 7.86 -4.61	19.64
33 41 13 00-0278 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0256)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0279 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0278)</small>		
33 41 13 00-0280 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	10.83 2.06 -0.54	5.15
33 41 13 00-0281 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	13.15 2.40 -0.66	5.98
33 41 13 00-0282 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	16.00 2.79 -0.80	6.96
33 41 13 00-0283 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.25 2.88 -0.91	7.20
33 41 13 00-0284 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.69 2.98 -0.98	7.46
33 41 13 00-0285 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.40 3.09 -1.12	7.73
33 41 13 00-0286 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.90 3.20 -1.35	8.00
33 41 13 00-0287 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.75 3.75 -1.79	9.38
33 41 13 00-0288 Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0256)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0289 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0288)</small>		
33 41 13 00-0290 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	11.17 2.06 -0.56	5.15
33 41 13 00-0291 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	14.17 2.40 -0.71	5.98
33 41 13 00-0292 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	17.19 2.79 -0.86	6.96
33 41 13 00-0293 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.13 2.88 -0.96	7.20

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0294	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.02	7.46
			<i>For <100, Add</i>	2.98	
			<i>For >1,000, Deduct</i>	-1.00	
33 41	13 00-0295	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.31	7.73
			<i>For <100, Add</i>	3.09	
			<i>For >1,000, Deduct</i>	-1.12	
33 41	13 00-0296	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.24	8.00
			<i>For <100, Add</i>	3.20	
			<i>For >1,000, Deduct</i>	-1.31	
33 41	13 00-0297	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.02	9.38
			<i>For <100, Add</i>	3.75	
			<i>For >1,000, Deduct</i>	-1.75	
33 41	13 00-0298	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.43	12.62
			<i>For <100, Add</i>	5.05	
			<i>For >1,000, Deduct</i>	-2.47	
33 41	13 00-0299	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	64.39	15.96
			<i>For <100, Add</i>	6.38	
			<i>For >1,000, Deduct</i>	-3.22	
33 41 13 00-0300 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0288)					
33 41	13 00-0301	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.95	7.46
			<i>For <100, Add</i>	2.98	
			<i>For >1,000, Deduct</i>	-1.00	
33 41	13 00-0302	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.67	7.73
			<i>For <100, Add</i>	3.09	
			<i>For >1,000, Deduct</i>	-1.13	
33 41	13 00-0303	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.78	8.00
			<i>For <100, Add</i>	3.20	
			<i>For >1,000, Deduct</i>	-1.34	
33 41	13 00-0304	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.87	9.38
			<i>For <100, Add</i>	3.75	
			<i>For >1,000, Deduct</i>	-1.79	
33 41	13 00-0305	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.62	12.62
			<i>For <100, Add</i>	5.05	
			<i>For >1,000, Deduct</i>	-2.58	
33 41	13 00-0306	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	66.13	15.96
			<i>For <100, Add</i>	6.38	
			<i>For >1,000, Deduct</i>	-3.31	
33 41	13 00-0307	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	84.21	17.41
			<i>For <100, Add</i>	6.96	
			<i>For >1,000, Deduct</i>	-4.21	
33 41	13 00-0308	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	92.22	19.64
			<i>For <100, Add</i>	7.86	
			<i>For >1,000, Deduct</i>	-4.61	
33 41 13 00-0309 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 13 00-0288)					
33 41	13 00-0310	LF	4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.84	5.15
			<i>For <100, Add</i>	2.06	
			<i>For >1,000, Deduct</i>	-0.54	
33 41	13 00-0311	LF	6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.15	5.98
			<i>For <100, Add</i>	2.40	
			<i>For >1,000, Deduct</i>	-0.66	
33 41	13 00-0312	LF	8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.94	6.96
			<i>For <100, Add</i>	2.79	
			<i>For >1,000, Deduct</i>	-0.80	
33 41	13 00-0313	LF	10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.25	7.20
			<i>For <100, Add</i>	2.88	
			<i>For >1,000, Deduct</i>	-0.91	
33 41	13 00-0314	LF	12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.69	7.46
			<i>For <100, Add</i>	2.98	
			<i>For >1,000, Deduct</i>	-0.98	
33 41	13 00-0315	LF	15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.40	7.73
			<i>For <100, Add</i>	3.09	
			<i>For >1,000, Deduct</i>	-1.12	
33 41	13 00-0316	LF	18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.90	8.00
			<i>For <100, Add</i>	3.20	
			<i>For >1,000, Deduct</i>	-1.35	
33 41	13 00-0317	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.75	9.38
			<i>For <100, Add</i>	3.75	
			<i>For >1,000, Deduct</i>	-1.79	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0318 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0256)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0319 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0318)</small>		
33 41 13 00-0320 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.65	20.29
33 41 13 00-0321 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	41.28	23.68
33 41 13 00-0322 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	54.91	28.76
33 41 13 00-0323 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	73.45	35.52
33 41 13 00-0324 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	98.87	42.29
33 41 13 00-0325 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	134.05	55.26
33 41 13 00-0326 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	186.56	74.42
33 41 13 00-0327 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	225.71	84.95
33 41 13 00-0328 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	332.93	98.10
33 41 13 00-0329 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	411.90	113.32
33 41 13 00-0330 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	619.71	135.31
33 41 13 00-0331 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	766.50	160.69
33 41 13 00-0332 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0318)</small>		
33 41 13 00-0333 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	39.08	20.29
33 41 13 00-0334 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	46.15	23.68
33 41 13 00-0335 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	57.98	28.76
33 41 13 00-0336 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	76.83	35.52
33 41 13 00-0337 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	109.77	42.29
33 41 13 00-0338 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	130.71	55.26
33 41 13 00-0339 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	180.05	74.42
33 41 13 00-0340 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0318)</small>		
33 41 13 00-0341 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	22.54	13.53
33 41 13 00-0342 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	26.69	15.79
33 41 13 00-0343 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.15	19.17
33 41 13 00-0344 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	42.43	23.68
33 41 13 00-0345 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	53.93	28.19
33 41 13 00-0346 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	74.72	36.08
33 41 13 00-0347 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	101.24	49.61
33 41 13 00-0348 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	145.33	56.37
33 41 13 00-0349 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	185.90	65.40
33 41 13 00-0350 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	216.50	75.55
33 41 13 00-0351 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	268.83	90.21
33 41 13 00-0352 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	345.05	107.12
33 41 13 00-0353 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0318)</small>		
33 41 13 00-0354 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	23.02	13.53
33 41 13 00-0355 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	27.70	15.79
33 41 13 00-0356 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.67	19.17
33 41 13 00-0357 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	46.63	23.68
33 41 13 00-0358 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	53.93	28.19
33 41 13 00-0359 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	74.63	36.08
33 41 13 00-0360 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	108.01	49.61
33 41 13 00-0361 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	150.57	56.37
33 41 13 00-0362 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	186.15	65.40
33 41 13 00-0363 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	227.78	75.55
33 41 13 00-0364 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	312.35	90.21
33 41 13 00-0365 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	384.06	107.12
33 41 13 00-0366 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0256)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0367 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0366)</small>		
33 41 13 00-0368 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.66	20.29
33 41 13 00-0369 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	37.08	23.68
33 41 13 00-0370 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	48.18	28.76
33 41 13 00-0371 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	60.13	35.52
33 41 13 00-0372 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	76.32	42.29
33 41 13 00-0373 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	120.35	55.26
33 41 13 00-0374 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	154.28	74.42
33 41 13 00-0375 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	222.14	84.57
33 41 13 00-0376 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0366)</small>		
33 41 13 00-0377 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.85	20.29

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0378 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	37.68	23.68
33 41 13 00-0379 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	54.46	28.76
33 41 13 00-0380 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0366)		
33 41 13 00-0381 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	21.16	13.53
33 41 13 00-0382 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 41 13 00-0366)		
33 41 13 00-0383 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	21.36	13.53
33 41 13 00-0384 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	25.50	15.79
33 41 13 00-0385 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.57	19.17
33 41 13 00-0386 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	40.96	23.68
33 41 13 00-0387 Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0256)		
Note: For single and double wall high density polyethylene (HDPE) piping.		
33 41 13 00-0388 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0387)		
33 41 13 00-0389 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.29	
33 41 13 00-0390 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.52	
33 41 13 00-0391 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.80	
33 41 13 00-0392 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.98	
33 41 13 00-0393 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.06	
33 41 13 00-0394 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.51	
33 41 13 00-0395 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.23	
33 41 13 00-0396 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.55	
33 41 13 00-0397 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.44	
33 41 13 00-0398 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.12	
33 41 13 00-0399 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.20	
33 41 13 00-0400 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	15.15	
33 41 13 00-0401 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0387)		
33 41 13 00-0402 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.34	
33 41 13 00-0403 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.06	
33 41 13 00-0404 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.82	
33 41 13 00-0405 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.61	
33 41 13 00-0406 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.88	
33 41 13 00-0407 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.56	
33 41 13 00-0408 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.49	
33 41 13 00-0409 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.61	
33 41 13 00-0410 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	41.06	
33 41 13 00-0411 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.97	
33 41 13 00-0412 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.00	
33 41 13 00-0413 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	59.51	
33 41 13 00-0414 End Sections, Corrugated High Density Polyethylene (HDPE) Pipe (33 41 13 00-0387)		
33 41 13 00-0415 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	119.82	50.71
33 41 13 00-0416 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	137.12	57.06
33 41 13 00-0417 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	146.72	61.28
33 41 13 00-0418 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	166.01	67.62
33 41 13 00-0419 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	202.97	80.30
33 41 13 00-0420 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	325.46	90.86
33 41 13 00-0421 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	362.57	101.43
33 41 13 00-0422 Vitrified Clay Piping (33 41 13)		
33 41 13 00-0423 Extra Strength Vitrified Clay Piping (33 41 13 00-0422)		
33 41 13 00-0424 Plain Joint, Extra Strength, Vitrified Clay Piping (33 41 13 00-0423)		
Note: ASTM C700.		
33 41 13 00-0425 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe	15.60	
For 3' Lengths, Add	1.08	
For 2' Lengths, Add	1.44	
For Standard Strength, Deduct	-0.36	
For >1,000, Deduct	-0.78	
33 41 13 00-0426 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe	20.05	
For 3' Lengths, Add	1.68	
For 2' Lengths, Add	2.24	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-1.00	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0427 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	24.92	
For 3' Lengths, Add	2.40	
For 2' Lengths, Add	3.20	
For Standard Strength, Deduct	-0.80	
For >1,000, Deduct	-1.25	
33 41 13 00-0428 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	30.96	
For 3' Lengths, Add	3.68	
For 2' Lengths, Add	4.90	
For Standard Strength, Deduct	-1.23	
For >1,000, Deduct	-1.55	
33 41 13 00-0429 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	38.36	
For 3' Lengths, Add	5.19	
For 2' Lengths, Add	6.92	
For Standard Strength, Deduct	-1.73	
For >1,000, Deduct	-1.92	
33 41 13 00-0430 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	55.87	
For 3' Lengths, Add	9.73	
For 2' Lengths, Add	12.98	
For Standard Strength, Deduct	-3.24	
For >1,000, Deduct	-2.79	
33 41 13 00-0431 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	75.72	
For 3' Lengths, Add	13.95	
For 2' Lengths, Add	18.60	
For Standard Strength, Deduct	-4.65	
For >1,000, Deduct	-3.79	
33 41 13 00-0432 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	111.35	
For 3' Lengths, Add	22.35	
For 2' Lengths, Add	29.80	
For Standard Strength, Deduct	-7.45	
For >1,000, Deduct	-5.57	
33 41 13 00-0433 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	142.07	
For 3' Lengths, Add	29.20	
For 2' Lengths, Add	38.93	
For Standard Strength, Deduct	-9.73	
For >1,000, Deduct	-7.10	
33 41 13 00-0434 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	177.16	
For 3' Lengths, Add	36.41	
For 2' Lengths, Add	48.54	
For Standard Strength, Deduct	-12.14	
For >1,000, Deduct	-8.86	
33 41 13 00-0435 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	208.63	
For 3' Lengths, Add	43.98	
For 2' Lengths, Add	58.64	
For Standard Strength, Deduct	-14.66	
For >1,000, Deduct	-10.43	
33 41 13 00-0436 Compression Joint, Extra Strength, Vitrified Clay Piping <small>(33 41 13 00-0423)</small>		
Note: ASTM C425.		
33 41 13 00-0437 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	18.65	
For 3' Lengths, Add	1.28	
For 2' Lengths, Add	1.70	
For Standard Strength, Deduct	-0.43	
For >1,000, Deduct	-0.93	
33 41 13 00-0438 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	24.29	
For 3' Lengths, Add	2.08	
For 2' Lengths, Add	2.78	
For Standard Strength, Deduct	-0.69	
For >1,000, Deduct	-1.21	
33 41 13 00-0439 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	30.10	
For 3' Lengths, Add	2.94	
For 2' Lengths, Add	3.92	
For Standard Strength, Deduct	-0.98	
For >1,000, Deduct	-1.51	
33 41 13 00-0440 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	38.53	
For 3' Lengths, Add	4.83	
For 2' Lengths, Add	6.44	
For Standard Strength, Deduct	-1.61	
For >1,000, Deduct	-1.93	
33 41 13 00-0441 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	46.42	
For 3' Lengths, Add	6.35	
For 2' Lengths, Add	8.46	
For Standard Strength, Deduct	-2.12	
For >1,000, Deduct	-2.32	
33 41 13 00-0442 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	66.68	
For 3' Lengths, Add	11.57	
For 2' Lengths, Add	15.43	
For Standard Strength, Deduct	-3.86	
For >1,000, Deduct	-3.33	
33 41 13 00-0443 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	91.54	
For 3' Lengths, Add	16.94	
For 2' Lengths, Add	22.59	
For Standard Strength, Deduct	-5.65	
For >1,000, Deduct	-4.58	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0444 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	130.14	
For 3' Lengths, Add	25.77	
For 2' Lengths, Add	34.36	
For Standard Strength, Deduct	-8.59	
For >1,000, Deduct	-6.51	
33 41 13 00-0445 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	169.06	
For 3' Lengths, Add	34.61	
For 2' Lengths, Add	46.14	
For Standard Strength, Deduct	-11.54	
For >1,000, Deduct	-8.45	
33 41 13 00-0446 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	267.63	
For 3' Lengths, Add	60.20	
For 2' Lengths, Add	80.26	
For Standard Strength, Deduct	-20.07	
For >1,000, Deduct	-13.38	
33 41 13 00-0447 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	370.03	
For 3' Lengths, Add	88.67	
For 2' Lengths, Add	118.23	
For Standard Strength, Deduct	-29.56	
For >1,000, Deduct	-18.50	
33 41 13 00-0448 Extra Strength, Vitrified Clay Pipe Fittings (33 41 13 00-0422)		
33 41 13 00-0449 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0448)		
33 41 13 00-0450 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 41 13 00-0449)		
33 41 13 00-0451 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	61.74	
33 41 13 00-0452 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	82.05	
33 41 13 00-0453 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	114.43	
33 41 13 00-0454 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	154.60	
33 41 13 00-0455 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	201.38	
33 41 13 00-0456 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	459.59	
33 41 13 00-0457 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	645.18	
33 41 13 00-0458 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	999.70	
33 41 13 00-0459 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,155.56	
33 41 13 00-0460 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,344.93	
33 41 13 00-0461 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,000.44	
33 41 13 00-0462 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0449)		
33 41 13 00-0463 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	70.42	
33 41 13 00-0464 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	97.77	
33 41 13 00-0465 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	130.02	
33 41 13 00-0466 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	171.55	
33 41 13 00-0467 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	215.22	
33 41 13 00-0468 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	517.02	
33 41 13 00-0469 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	747.51	
33 41 13 00-0470 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	775.00	
33 41 13 00-0471 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,476.98	
33 41 13 00-0472 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,650.60	
33 41 13 00-0473 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,431.32	
33 41 13 00-0474 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0448)		
33 41 13 00-0475 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0474)		
33 41 13 00-0476 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	73.74	
33 41 13 00-0477 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	96.51	
33 41 13 00-0478 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	131.34	
33 41 13 00-0479 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	173.29	
33 41 13 00-0480 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	222.43	
33 41 13 00-0481 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	483.02	
33 41 13 00-0482 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	674.41	
33 41 13 00-0483 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,036.56	
33 41 13 00-0484 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,200.32	
33 41 13 00-0485 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,400.75	
33 41 13 00-0486 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,062.48	
33 41 13 00-0487 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 41 13 00-0474)		
33 41 13 00-0488 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	84.82	
33 41 13 00-0489 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	115.12	
33 41 13 00-0490 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	150.32	
33 41 13 00-0491 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	193.98	
33 41 13 00-0492 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	240.49	
33 41 13 00-0493 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	545.14	
33 41 13 00-0494 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	782.59	
33 41 13 00-0495 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,492.78	
33 41 13 00-0496 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,530.68	
33 41 13 00-0497 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,717.57	
33 41 13 00-0498 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,505.77	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0499 Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 41 13 00-0448)</small>		
33 41 13 00-0500 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 41 13 00-0499)</small>		
33 41 13 00-0501 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	82.88	
33 41 13 00-0502 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	106.65	
33 41 13 00-0503 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	141.44	
33 41 13 00-0504 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	183.52	
33 41 13 00-0505 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	228.53	
33 41 13 00-0506 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	493.93	
33 41 13 00-0507 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	686.40	
33 41 13 00-0508 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	984.51	
33 41 13 00-0509 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,361.21	
33 41 13 00-0510 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,452.04	
33 41 13 00-0511 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,063.76	
33 41 13 00-0512 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 41 13 00-0499)</small>		
33 41 13 00-0513 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	100.92	
33 41 13 00-0514 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	135.33	
33 41 13 00-0515 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	174.94	
33 41 13 00-0516 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	222.93	
33 41 13 00-0517 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	274.47	
33 41 13 00-0518 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	600.30	
33 41 13 00-0519 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	857.80	
33 41 13 00-0520 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,262.95	
33 41 13 00-0521 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,666.63	
33 41 13 00-0522 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,934.40	
33 41 13 00-0523 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	2,718.23	
33 41 13 00-0524 Corrugated Metal Piping <small>(33 41 13)</small>		
33 41 13 00-0525 Galvanized Corrugated Steel Piping <small>(33 41 13 00-0524)</small>		
33 41 13 00-0526 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0525)</small>		
33 41 13 00-0527 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0526)</small>		
33 41 13 00-0528 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.40	7.92
For Bituminous Coated Pipe, Add	2.17	
For Bituminous Coated And 25% Paved, Add	4.43	
For Smooth-Flo, Add	7.91	
33 41 13 00-0529 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	28.29	8.29
For Bituminous Coated Pipe, Add	2.72	
For Bituminous Coated And 25% Paved, Add	5.57	
For Smooth-Flo, Add	9.95	
33 41 13 00-0530 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.28	9.05
For Bituminous Coated Pipe, Add	3.30	
For Bituminous Coated And 25% Paved, Add	6.75	
For Smooth-Flo, Add	12.06	
33 41 13 00-0531 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.36	9.80
For Bituminous Coated Pipe, Add	3.95	
For Bituminous Coated And 25% Paved, Add	8.08	
For Smooth-Flo, Add	14.43	
33 41 13 00-0532 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	39.03	10.55
For Bituminous Coated Pipe, Add	4.44	
For Bituminous Coated And 25% Paved, Add	9.09	
For Smooth-Flo, Add	16.23	
33 41 13 00-0533 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	51.65	13.57
For Bituminous Coated Pipe, Add	5.77	
For Bituminous Coated And 25% Paved, Add	11.80	
For Smooth-Flo, Add	21.07	
33 41 13 00-0534 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	66.53	17.20
For Bituminous Coated Pipe, Add	7.27	
For Bituminous Coated And 25% Paved, Add	14.87	
For Smooth-Flo, Add	26.56	
33 41 13 00-0535 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	75.36	20.33
For Bituminous Coated Pipe, Add	8.61	
For Bituminous Coated And 25% Paved, Add	17.60	
For Smooth-Flo, Add	31.44	
33 41 13 00-0536 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	84.73	23.45
For Bituminous Coated Pipe, Add	9.64	
For Bituminous Coated And 25% Paved, Add	19.72	
For Smooth-Flo, Add	35.21	
33 41 13 00-0537 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0526)</small>		
33 41 13 00-0538 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	27.33	7.92
For Bituminous Coated Pipe, Add	2.20	
For Bituminous Coated And 25% Paved, Add	5.09	
For Smooth-Flo, Add	10.29	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0539	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	30.67	8.29
			<i>For Bituminous Coated Pipe, Add</i>	2.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	6.38	
			<i>For Smooth-Flo, Add</i>	12.90	
33 41	13 00-0540	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	34.16	9.05
			<i>For Bituminous Coated Pipe, Add</i>	3.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.73	
			<i>For Smooth-Flo, Add</i>	15.63	
33 41	13 00-0541	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	38.68	9.80
			<i>For Bituminous Coated Pipe, Add</i>	3.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.19	
			<i>For Smooth-Flo, Add</i>	18.58	
33 41	13 00-0542	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	42.90	10.55
			<i>For Bituminous Coated Pipe, Add</i>	4.49	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.40	
			<i>For Smooth-Flo, Add</i>	21.03	
33 41	13 00-0543	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	56.37	13.57
			<i>For Bituminous Coated Pipe, Add</i>	5.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.36	
			<i>For Smooth-Flo, Add</i>	27.01	
33 41	13 00-0544	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	72.26	17.20
			<i>For Bituminous Coated Pipe, Add</i>	7.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.75	
			<i>For Smooth-Flo, Add</i>	33.85	
33 41	13 00-0545	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	81.92	20.33
			<i>For Bituminous Coated Pipe, Add</i>	8.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	19.71	
			<i>For Smooth-Flo, Add</i>	39.85	
33 41	13 00-0546	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	92.24	23.45
			<i>For Bituminous Coated Pipe, Add</i>	9.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	22.16	
			<i>For Smooth-Flo, Add</i>	44.78	
33 41	13 00-0547	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	109.73	26.58
			<i>For Bituminous Coated Pipe, Add</i>	11.76	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.25	
			<i>For Smooth-Flo, Add</i>	55.08	
33 41	13 00-0548		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>41 13 00-0526)</small>		
33 41	13 00-0549	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.12	9.05
			<i>For Bituminous Coated Pipe, Add</i>	3.82	
			<i>For Bituminous Coated And 25% Paved, Add</i>	6.90	
			<i>For Smooth-Flo, Add</i>	13.26	
33 41	13 00-0550	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.61	9.80
			<i>For Bituminous Coated Pipe, Add</i>	4.52	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.16	
			<i>For Smooth-Flo, Add</i>	15.68	
33 41	13 00-0551	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.79	9.80
			<i>For Bituminous Coated Pipe, Add</i>	5.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.25	
			<i>For Smooth-Flo, Add</i>	17.77	
33 41	13 00-0552	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	66.12	13.57
			<i>For Bituminous Coated Pipe, Add</i>	6.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.76	
			<i>For Smooth-Flo, Add</i>	22.60	
33 41	13 00-0553	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.84	17.20
			<i>For Bituminous Coated Pipe, Add</i>	8.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	14.54	
			<i>For Smooth-Flo, Add</i>	27.94	
33 41	13 00-0554	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	95.30	20.33
			<i>For Bituminous Coated Pipe, Add</i>	9.44	
			<i>For Bituminous Coated And 25% Paved, Add</i>	17.04	
			<i>For Smooth-Flo, Add</i>	32.75	
33 41	13 00-0555	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	107.57	23.45
			<i>For Bituminous Coated Pipe, Add</i>	10.65	
			<i>For Bituminous Coated And 25% Paved, Add</i>	19.24	
			<i>For Smooth-Flo, Add</i>	36.98	
33 41	13 00-0556	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	126.65	26.58
			<i>For Bituminous Coated Pipe, Add</i>	12.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	23.07	
			<i>For Smooth-Flo, Add</i>	44.33	
33 41	13 00-0557	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	138.42	28.15
			<i>For Bituminous Coated Pipe, Add</i>	13.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.26	
			<i>For Smooth-Flo, Add</i>	48.55	
33 41	13 00-0558	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	167.54	34.40
			<i>For Bituminous Coated Pipe, Add</i>	17.03	
			<i>For Bituminous Coated And 25% Paved, Add</i>	30.76	
			<i>For Smooth-Flo, Add</i>	59.11	
33 41	13 00-0559		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>41 13 00-0526)</small>		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0560	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	94.67 10.24 17.11 24.41	17.20
33 41 13 00-0561	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	107.97 12.00 20.04 28.60	20.33
33 41 13 00-0562	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.95 13.56 22.65 32.32	23.45
33 41 13 00-0563	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	142.77 16.06 26.83 38.28	26.58
33 41 13 00-0564	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.35 17.64 29.46 42.04	28.15
33 41 13 00-0565	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	187.25 21.10 35.25 50.29	34.40
33 41 13 00-0566	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.24 22.66 37.85 54.00	50.04
33 41 13 00-0567		3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0525)</small>		
33 41 13 00-0568		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0567)</small>		
33 41 13 00-0569	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	76.47 8.00 18.16 36.15	17.20
33 41 13 00-0570	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.75 9.39 21.32 42.44	20.33
33 41 13 00-0571	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	97.56 10.53 23.91 47.60	23.45
33 41 13 00-0572	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.84 12.87 29.21 58.15	26.58
33 41 13 00-0573	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	126.21 14.02 31.82 63.35	28.15
33 41 13 00-0574	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.38 18.00 40.87 81.38	34.40
33 41 13 00-0575	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	195.46 19.19 43.56 86.74	50.04
33 41 13 00-0576	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	211.37 20.38 46.27 92.13	54.73
33 41 13 00-0577	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	225.14 21.57 48.97 97.51	58.64
33 41 13 00-0578	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.94 22.77 51.69 102.92	62.55
33 41 13 00-0579	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	253.26 23.96 54.38 108.28	66.46
33 41 13 00-0580	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	269.80 25.16 57.10 113.71	70.36
33 41 13 00-0581		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0567)</small>		

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0582 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	125.98	26.58
For Bituminous Coated Pipe, Add	14.89	
For Bituminous Coated And 25% Paved, Add	29.19	
For Smooth-Flo, Add	58.98	
33 41 13 00-0583 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	137.43	28.15
For Bituminous Coated Pipe, Add	16.26	
For Bituminous Coated And 25% Paved, Add	31.87	
For Smooth-Flo, Add	64.39	
33 41 13 00-0584 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	169.72	34.40
For Bituminous Coated Pipe, Add	20.47	
For Bituminous Coated And 25% Paved, Add	40.13	
For Smooth-Flo, Add	81.07	
33 41 13 00-0585 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	208.91	50.04
For Bituminous Coated Pipe, Add	21.88	
For Bituminous Coated And 25% Paved, Add	42.88	
For Smooth-Flo, Add	86.64	
33 41 13 00-0586 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.89	54.73
For Bituminous Coated Pipe, Add	23.29	
For Bituminous Coated And 25% Paved, Add	45.64	
For Smooth-Flo, Add	92.21	
33 41 13 00-0587 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	240.80	58.64
For Bituminous Coated Pipe, Add	24.71	
For Bituminous Coated And 25% Paved, Add	48.42	
For Smooth-Flo, Add	97.84	
33 41 13 00-0588 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	255.66	62.55
For Bituminous Coated Pipe, Add	26.11	
For Bituminous Coated And 25% Paved, Add	51.18	
For Smooth-Flo, Add	103.41	
33 41 13 00-0589 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	271.08	66.46
For Bituminous Coated Pipe, Add	27.52	
For Bituminous Coated And 25% Paved, Add	53.94	
For Smooth-Flo, Add	108.98	
33 41 13 00-0590 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	288.70	70.36
For Bituminous Coated Pipe, Add	28.94	
For Bituminous Coated And 25% Paved, Add	56.71	
For Smooth-Flo, Add	114.59	
33 41 13 00-0591 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.13	78.19
For Bituminous Coated Pipe, Add	30.35	
For Bituminous Coated And 25% Paved, Add	59.49	
For Smooth-Flo, Add	120.19	
33 41 13 00-0592 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	327.11	86.01
For Bituminous Coated Pipe, Add	31.74	
For Bituminous Coated And 25% Paved, Add	62.21	
For Smooth-Flo, Add	125.70	
33 41 13 00-0593 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-		
0597)		
33 41 13 00-0594 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	162.31	28.15
For Bituminous Coated Pipe, Add	21.24	
For Bituminous Coated And 25% Paved, Add	40.45	
For Smooth-Flo, Add	65.94	
33 41 13 00-0595 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	197.28	34.40
For Bituminous Coated Pipe, Add	25.98	
For Bituminous Coated And 25% Paved, Add	49.50	
For Smooth-Flo, Add	80.68	
33 41 13 00-0596 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.87	50.04
For Bituminous Coated Pipe, Add	27.87	
For Bituminous Coated And 25% Paved, Add	53.10	
For Smooth-Flo, Add	86.54	
33 41 13 00-0597 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	258.28	54.73
For Bituminous Coated Pipe, Add	29.76	
For Bituminous Coated And 25% Paved, Add	56.70	
For Smooth-Flo, Add	92.42	
33 41 13 00-0598 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	275.60	58.64
For Bituminous Coated Pipe, Add	31.67	
For Bituminous Coated And 25% Paved, Add	60.32	
For Smooth-Flo, Add	98.32	
33 41 13 00-0599 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	292.88	62.55
For Bituminous Coated Pipe, Add	33.56	
For Bituminous Coated And 25% Paved, Add	63.93	
For Smooth-Flo, Add	104.20	
33 41 13 00-0600 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	310.76	66.46
For Bituminous Coated Pipe, Add	35.46	
For Bituminous Coated And 25% Paved, Add	67.54	
For Smooth-Flo, Add	110.09	
33 41 13 00-0601 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	330.80	70.36
For Bituminous Coated Pipe, Add	37.36	
For Bituminous Coated And 25% Paved, Add	71.16	
For Smooth-Flo, Add	115.99	
33 41 13 00-0602 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	352.62	78.19
For Bituminous Coated Pipe, Add	39.25	
For Bituminous Coated And 25% Paved, Add	74.77	
For Smooth-Flo, Add	121.87	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0603 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	374.04	86.01
For Bituminous Coated Pipe, Add	41.13	
For Bituminous Coated And 25% Paved, Add	78.35	
For Smooth-Flo, Add	127.70	
33 41 13 00-0604 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	394.59	93.82
For Bituminous Coated Pipe, Add	43.03	
For Bituminous Coated And 25% Paved, Add	81.97	
For Smooth-Flo, Add	133.61	
33 41 13 00-0605 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0567)		
33 41 13 00-0606 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	266.81	50.04
For Bituminous Coated Pipe, Add	33.46	
For Bituminous Coated And 25% Paved, Add	63.57	
For Smooth-Flo, Add	84.99	
33 41 13 00-0607 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	288.51	54.73
For Bituminous Coated Pipe, Add	35.81	
For Bituminous Coated And 25% Paved, Add	68.04	
For Smooth-Flo, Add	90.96	
33 41 13 00-0608 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.12	58.64
For Bituminous Coated Pipe, Add	38.17	
For Bituminous Coated And 25% Paved, Add	72.52	
For Smooth-Flo, Add	96.95	
33 41 13 00-0609 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	327.70	62.55
For Bituminous Coated Pipe, Add	40.52	
For Bituminous Coated And 25% Paved, Add	76.99	
For Smooth-Flo, Add	102.93	
33 41 13 00-0610 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	347.87	66.46
For Bituminous Coated Pipe, Add	42.88	
For Bituminous Coated And 25% Paved, Add	81.47	
For Smooth-Flo, Add	108.91	
33 41 13 00-0611 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	370.21	70.36
For Bituminous Coated Pipe, Add	45.24	
For Bituminous Coated And 25% Paved, Add	85.95	
For Smooth-Flo, Add	114.90	
33 41 13 00-0612 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	394.31	78.19
For Bituminous Coated Pipe, Add	47.59	
For Bituminous Coated And 25% Paved, Add	90.42	
For Smooth-Flo, Add	120.87	
33 41 13 00-0613 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	418.01	86.01
For Bituminous Coated Pipe, Add	49.92	
For Bituminous Coated And 25% Paved, Add	94.85	
For Smooth-Flo, Add	126.80	
33 41 13 00-0614 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	440.87	93.82
For Bituminous Coated Pipe, Add	52.29	
For Bituminous Coated And 25% Paved, Add	99.34	
For Smooth-Flo, Add	132.81	
33 41 13 00-0615 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	465.17	101.64
For Bituminous Coated Pipe, Add	54.63	
For Bituminous Coated And 25% Paved, Add	103.79	
For Smooth-Flo, Add	138.76	
33 41 13 00-0616 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	491.46	109.46
For Bituminous Coated Pipe, Add	56.99	
For Bituminous Coated And 25% Paved, Add	108.28	
For Smooth-Flo, Add	144.75	
33 41 13 00-0617 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	520.14	117.27
For Bituminous Coated Pipe, Add	59.35	
For Bituminous Coated And 25% Paved, Add	112.77	
For Smooth-Flo, Add	150.75	
33 41 13 00-0618 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0525)		
33 41 13 00-0619 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0618)		
33 41 13 00-0620 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	97.86	23.45
For Bituminous Coated Pipe, Add	13.24	
For Bituminous Coated And 25% Paved, Add	30.19	
For Smooth-Flo, Add	47.93	
33 41 13 00-0621 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	116.40	26.58
For Bituminous Coated Pipe, Add	16.22	
For Bituminous Coated And 25% Paved, Add	36.99	
For Smooth-Flo, Add	58.73	
33 41 13 00-0622 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	126.71	28.15
For Bituminous Coated Pipe, Add	17.65	
For Bituminous Coated And 25% Paved, Add	40.23	
For Smooth-Flo, Add	63.87	
33 41 13 00-0623 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	156.21	34.40
For Bituminous Coated Pipe, Add	22.21	
For Bituminous Coated And 25% Paved, Add	50.64	
For Smooth-Flo, Add	80.41	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0624 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	194.16	50.04
For Bituminous Coated Pipe, Add	23.66	
For Bituminous Coated And 25% Paved, Add	53.95	
For Smooth-Flo, Add	85.66	
33 41 13 00-0625 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	209.89	54.73
For Bituminous Coated Pipe, Add	25.11	
For Bituminous Coated And 25% Paved, Add	57.25	
For Smooth-Flo, Add	90.89	
33 41 13 00-0626 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	223.45	58.64
For Bituminous Coated Pipe, Add	26.55	
For Bituminous Coated And 25% Paved, Add	60.52	
For Smooth-Flo, Add	96.09	
33 41 13 00-0627 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	237.00	62.55
For Bituminous Coated Pipe, Add	27.98	
For Bituminous Coated And 25% Paved, Add	63.79	
For Smooth-Flo, Add	101.28	
33 41 13 00-0628 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	251.21	66.46
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	67.11	
For Smooth-Flo, Add	106.55	
33 41 13 00-0629 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	267.71	70.36
For Bituminous Coated Pipe, Add	30.92	
For Bituminous Coated And 25% Paved, Add	70.50	
For Smooth-Flo, Add	111.94	
33 41 13 00-0630 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping		
(33 41 13 00-0618)		
33 41 13 00-0631 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	129.08	26.58
For Bituminous Coated Pipe, Add	15.51	
For Bituminous Coated And 25% Paved, Add	36.46	
For Smooth-Flo, Add	66.01	
33 41 13 00-0632 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	140.80	28.15
For Bituminous Coated Pipe, Add	16.93	
For Bituminous Coated And 25% Paved, Add	39.79	
For Smooth-Flo, Add	72.05	
33 41 13 00-0633 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	171.59	34.40
For Bituminous Coated Pipe, Add	20.85	
For Bituminous Coated And 25% Paved, Add	48.99	
For Smooth-Flo, Add	88.70	
33 41 13 00-0634 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	210.77	50.04
For Bituminous Coated Pipe, Add	22.25	
For Bituminous Coated And 25% Paved, Add	52.29	
For Smooth-Flo, Add	94.68	
33 41 13 00-0635 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	228.00	54.73
For Bituminous Coated Pipe, Add	23.71	
For Bituminous Coated And 25% Paved, Add	55.71	
For Smooth-Flo, Add	100.88	
33 41 13 00-0636 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	242.98	58.64
For Bituminous Coated Pipe, Add	25.14	
For Bituminous Coated And 25% Paved, Add	59.08	
For Smooth-Flo, Add	106.98	
33 41 13 00-0637 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	257.23	62.55
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	62.11	
For Smooth-Flo, Add	112.45	
33 41 13 00-0638 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	273.49	66.46
For Bituminous Coated Pipe, Add	28.00	
For Bituminous Coated And 25% Paved, Add	65.80	
For Smooth-Flo, Add	119.15	
33 41 13 00-0639 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	291.18	70.36
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	69.17	
For Smooth-Flo, Add	125.23	
33 41 13 00-0640 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	310.61	78.19
For Bituminous Coated Pipe, Add	30.85	
For Bituminous Coated And 25% Paved, Add	72.49	
For Smooth-Flo, Add	131.26	
33 41 13 00-0641 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	329.90	86.01
For Bituminous Coated Pipe, Add	32.30	
For Bituminous Coated And 25% Paved, Add	75.91	
For Smooth-Flo, Add	137.44	
33 41 13 00-0642 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping		
(33 41 13 00-0618)		
33 41 13 00-0643 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	167.19	28.15
For Bituminous Coated Pipe, Add	22.21	
For Bituminous Coated And 25% Paved, Add	42.20	
For Smooth-Flo, Add	76.19	
33 41 13 00-0644 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	200.65	34.40
For Bituminous Coated Pipe, Add	26.66	
For Bituminous Coated And 25% Paved, Add	50.65	
For Smooth-Flo, Add	91.44	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0645 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	242.60	50.04
For Bituminous Coated Pipe, Add	28.62	
For Bituminous Coated And 25% Paved, Add	54.37	
For Smooth-Flo, Add	98.16	
33 41 13 00-0646 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	262.28	54.73
For Bituminous Coated Pipe, Add	30.56	
For Bituminous Coated And 25% Paved, Add	58.07	
For Smooth-Flo, Add	104.83	
33 41 13 00-0647 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	279.73	58.64
For Bituminous Coated Pipe, Add	32.49	
For Bituminous Coated And 25% Paved, Add	61.73	
For Smooth-Flo, Add	111.45	
33 41 13 00-0648 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	297.33	62.55
For Bituminous Coated Pipe, Add	34.45	
For Bituminous Coated And 25% Paved, Add	65.45	
For Smooth-Flo, Add	118.16	
33 41 13 00-0649 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	315.43	66.46
For Bituminous Coated Pipe, Add	36.39	
For Bituminous Coated And 25% Paved, Add	69.14	
For Smooth-Flo, Add	124.82	
33 41 13 00-0650 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	335.66	70.36
For Bituminous Coated Pipe, Add	38.33	
For Bituminous Coated And 25% Paved, Add	72.82	
For Smooth-Flo, Add	131.47	
33 41 13 00-0651 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	357.79	78.19
For Bituminous Coated Pipe, Add	40.28	
For Bituminous Coated And 25% Paved, Add	76.54	
For Smooth-Flo, Add	138.17	
33 41 13 00-0652 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	379.53	86.01
For Bituminous Coated Pipe, Add	42.23	
For Bituminous Coated And 25% Paved, Add	80.23	
For Smooth-Flo, Add	144.84	
33 41 13 00-0653 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	400.28	93.82
For Bituminous Coated Pipe, Add	44.17	
For Bituminous Coated And 25% Paved, Add	83.92	
For Smooth-Flo, Add	151.50	
33 41 13 00-0654 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
Piping <small>(33 41 13 00-0618)</small>		
33 41 13 00-0655 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	273.08	50.04
For Bituminous Coated Pipe, Add	34.71	
For Bituminous Coated And 25% Paved, Add	65.96	
For Smooth-Flo, Add	103.62	
33 41 13 00-0656 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	295.59	54.73
For Bituminous Coated Pipe, Add	37.23	
For Bituminous Coated And 25% Paved, Add	70.73	
For Smooth-Flo, Add	111.12	
33 41 13 00-0657 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	315.70	58.64
For Bituminous Coated Pipe, Add	39.69	
For Bituminous Coated And 25% Paved, Add	75.40	
For Smooth-Flo, Add	118.46	
33 41 13 00-0658 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	335.70	62.55
For Bituminous Coated Pipe, Add	42.12	
For Bituminous Coated And 25% Paved, Add	80.03	
For Smooth-Flo, Add	125.73	
33 41 13 00-0659 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	356.41	66.46
For Bituminous Coated Pipe, Add	44.59	
For Bituminous Coated And 25% Paved, Add	84.71	
For Smooth-Flo, Add	133.09	
33 41 13 00-0660 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	379.15	70.36
For Bituminous Coated Pipe, Add	47.03	
For Bituminous Coated And 25% Paved, Add	89.35	
For Smooth-Flo, Add	140.37	
33 41 13 00-0661 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	403.80	78.19
For Bituminous Coated Pipe, Add	49.49	
For Bituminous Coated And 25% Paved, Add	94.02	
For Smooth-Flo, Add	147.72	
33 41 13 00-0662 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	428.10	86.01
For Bituminous Coated Pipe, Add	51.94	
For Bituminous Coated And 25% Paved, Add	98.69	
For Smooth-Flo, Add	155.04	
33 41 13 00-0663 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	451.34	93.82
For Bituminous Coated Pipe, Add	54.38	
For Bituminous Coated And 25% Paved, Add	103.32	
For Smooth-Flo, Add	162.32	
33 41 13 00-0664 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	480.05	101.64
For Bituminous Coated Pipe, Add	57.60	
For Bituminous Coated And 25% Paved, Add	109.45	
For Smooth-Flo, Add	171.95	
33 41 13 00-0665 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	507.82	109.46
For Bituminous Coated Pipe, Add	60.26	
For Bituminous Coated And 25% Paved, Add	114.49	
For Smooth-Flo, Add	179.88	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0666	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	538.49	117.27
			<i>For Bituminous Coated Pipe, Add</i>	63.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	119.74	
			<i>For Smooth-Flo, Add</i>	188.12	
33 41	13 00-0667		Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0525)		
33 41	13 00-0668		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0667)		
33 41	13 00-0669	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	35.15	9.05
			<i>For Bituminous Coated Pipe, Add</i>	4.08	
33 41	13 00-0670	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	39.90	9.80
			<i>For Bituminous Coated Pipe, Add</i>	4.86	
33 41	13 00-0671	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	44.36	10.55
			<i>For Bituminous Coated Pipe, Add</i>	5.52	
33 41	13 00-0672	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	58.34	13.57
			<i>For Bituminous Coated Pipe, Add</i>	7.11	
33 41	13 00-0673	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	74.74	17.20
			<i>For Bituminous Coated Pipe, Add</i>	8.91	
33 41	13 00-0674	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	84.91	20.33
			<i>For Bituminous Coated Pipe, Add</i>	10.51	
33 41	13 00-0675	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	95.68	23.45
			<i>For Bituminous Coated Pipe, Add</i>	11.83	
33 41	13 00-0676	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	113.70	26.58
			<i>For Bituminous Coated Pipe, Add</i>	14.49	
33 41	13 00-0677	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	124.03	28.15
			<i>For Bituminous Coated Pipe, Add</i>	15.82	
33 41	13 00-0678		14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0667)		
33 41	13 00-0679	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	38.07	9.05
			<i>For Bituminous Coated Pipe, Add</i>	4.72	
33 41	13 00-0680	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	43.32	9.80
			<i>For Bituminous Coated Pipe, Add</i>	5.61	
33 41	13 00-0681	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	48.25	10.55
			<i>For Bituminous Coated Pipe, Add</i>	6.37	
33 41	13 00-0682	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	63.18	13.57
			<i>For Bituminous Coated Pipe, Add</i>	8.17	
33 41	13 00-0683	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.56	17.20
			<i>For Bituminous Coated Pipe, Add</i>	10.18	
33 41	13 00-0684	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	91.72	20.33
			<i>For Bituminous Coated Pipe, Add</i>	11.99	
33 41	13 00-0685	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	103.45	23.45
			<i>For Bituminous Coated Pipe, Add</i>	13.53	
33 41	13 00-0686	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	122.45	26.58
			<i>For Bituminous Coated Pipe, Add</i>	16.39	
33 41	13 00-0687	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	133.77	28.15
			<i>For Bituminous Coated Pipe, Add</i>	17.93	
33 41	13 00-0688	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	163.81	34.40
			<i>For Bituminous Coated Pipe, Add</i>	22.28	
33 41	13 00-0689	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	202.57	50.04
			<i>For Bituminous Coated Pipe, Add</i>	23.81	
33 41	13 00-0690	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	219.24	54.73
			<i>For Bituminous Coated Pipe, Add</i>	25.36	
33 41	13 00-0691		12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0667)		
33 41	13 00-0692	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	72.98	13.57
			<i>For Bituminous Coated Pipe, Add</i>	8.54	
33 41	13 00-0693	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	92.27	17.20
			<i>For Bituminous Coated Pipe, Add</i>	10.54	
33 41	13 00-0694	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	105.43	20.33
			<i>For Bituminous Coated Pipe, Add</i>	12.40	
33 41	13 00-0695	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	119.10	23.45
			<i>For Bituminous Coated Pipe, Add</i>	14.02	
33 41	13 00-0696	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	140.07	26.58
			<i>For Bituminous Coated Pipe, Add</i>	16.74	
33 41	13 00-0697	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	153.37	28.15
			<i>For Bituminous Coated Pipe, Add</i>	18.38	
33 41	13 00-0698	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	185.32	34.40
			<i>For Bituminous Coated Pipe, Add</i>	22.29	
33 41	13 00-0699	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	226.01	50.04
			<i>For Bituminous Coated Pipe, Add</i>	23.91	
33 41	13 00-0700	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	244.61	54.73
			<i>For Bituminous Coated Pipe, Add</i>	25.54	
33 41	13 00-0701	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	261.03	58.64
			<i>For Bituminous Coated Pipe, Add</i>	27.17	
33 41	13 00-0702	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	277.44	62.55
			<i>For Bituminous Coated Pipe, Add</i>	28.79	
33 41	13 00-0703	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	294.42	66.46
			<i>For Bituminous Coated Pipe, Add</i>	30.42	
33 41	13 00-0704	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	312.60	70.36
			<i>For Bituminous Coated Pipe, Add</i>	31.86	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

CS

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0705 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0525)</small>		
33 41 13 00-0706 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0705)</small>		
33 41 13 00-0707 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.30 1.04	4.52
33 41 13 00-0708 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.17 1.25	4.52
33 41 13 00-0709 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.59 1.38	5.65
33 41 13 00-0710 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.70 1.65	5.65
33 41 13 00-0711 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.99 1.73	6.78
33 41 13 00-0712 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.40 2.08	6.78
33 41 13 00-0713 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0705)</small>		
33 41 13 00-0714 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.43 1.03	4.52
33 41 13 00-0715 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.27 1.23	4.52
33 41 13 00-0716 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.71 1.35	5.65
33 41 13 00-0717 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.89 1.63	5.65
33 41 13 00-0718 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.20 1.71	6.78
33 41 13 00-0719 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.64 2.05	6.78
33 41 13 00-0720 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings <small>(33 41 13 00-0705)</small>		
33 41 13 00-0721 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	6.44 1.45	
33 41 13 00-0722 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.52 1.92	
33 41 13 00-0723 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.45 2.35	
33 41 13 00-0724 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.22 3.20	
33 41 13 00-0725 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	6.27 0.73	
33 41 13 00-0726 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	7.76 1.10	
33 41 13 00-0727 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0525)</small>		
33 41 13 00-0728 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0727)</small>		
33 41 13 00-0729 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	38.18	7.92
33 41 13 00-0730 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.40	8.29
33 41 13 00-0731 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.82	9.05
33 41 13 00-0732 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	58.70	9.80
33 41 13 00-0733 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	65.34	10.55
33 41 13 00-0734 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	85.72	13.57
33 41 13 00-0735 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	109.56	17.20
33 41 13 00-0736 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	126.25	20.33
33 41 13 00-0737 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	141.75	23.45
33 41 13 00-0738 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0727)</small>		
33 41 13 00-0739 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	42.88	7.92
33 41 13 00-0740 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.23	8.29
33 41 13 00-0741 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	57.80	9.05
33 41 13 00-0742 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	66.78	9.80
33 41 13 00-0743 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	74.72	10.55
33 41 13 00-0744 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	97.24	13.57
33 41 13 00-0745 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	123.47	17.20
33 41 13 00-0746 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	142.21	20.33
33 41 13 00-0747 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	159.96	23.45
33 41 13 00-0748 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	193.03	26.58
33 41 13 00-0749 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0727)</small>		
33 41 13 00-0750 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	72.34	9.05
33 41 13 00-0751 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	83.76	9.80
33 41 13 00-0752 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.03	10.55

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 41	13 00-0753	LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		121.36	13.57
33 41	13 00-0754	LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		146.50	17.20
33 41	13 00-0755	LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		175.95	20.33
33 41	13 00-0756	LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		198.47	23.45
33 41	13 00-0757	LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		236.97	26.58
33 41	13 00-0758	LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		258.91	28.15
33 41	13 00-0759	LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		316.78	34.40
33 41	13 00-0760	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0727)}			
33 41	13 00-0761	LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		178.85	17.20
33 41	13 00-0762	LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		206.69	20.33
33 41	13 00-0763	LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		233.39	23.45
33 41	13 00-0764	LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		276.09	26.58
33 41	13 00-0765	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		302.45	28.15
33 41	13 00-0766	LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		364.60	34.40
33 41	13 00-0767	LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		418.19	50.04
33 41	13 00-0768	3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0525)}			
33 41	13 00-0769	16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0768)}			
33 41	13 00-0770	LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		136.26	17.20
33 41	13 00-0771	LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		157.04	20.33
33 41	13 00-0772	LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		176.27	23.45
33 41	13 00-0773	LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		212.67	26.58
33 41	13 00-0774	LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		231.57	28.15
33 41	13 00-0775	LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		293.89	34.40
33 41	13 00-0776	LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		340.78	50.04
33 41	13 00-0777	LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		365.47	54.73
33 41	13 00-0778	LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		388.07	58.64
33 41	13 00-0779	LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		410.70	62.55
33 41	13 00-0780	LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		433.82	66.46
33 41	13 00-0781	LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		459.23	70.36
33 41	13 00-0782	14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0768)}			
33 41	13 00-0783	LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		237.81	26.58
33 41	13 00-0784	LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		259.36	28.15
33 41	13 00-0785	LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		324.50	34.40
33 41	13 00-0786	LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		374.08	50.04
33 41	13 00-0787	LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		401.49	54.73
33 41	13 00-0788	LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		426.91	58.64
33 41	13 00-0789	LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		452.18	62.55
33 41	13 00-0790	LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		478.01	66.46
33 41	13 00-0791	LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		506.15	70.36
33 41	13 00-0792	LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		536.04	78.19
33 41	13 00-0793	LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		565.29	86.01
33 41	13 00-0794	12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0768)}			
33 41	13 00-0795	LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		322.60	28.15
33 41	13 00-0796	LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		394.85	34.40
33 41	13 00-0797	LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		450.53	50.04
33 41	13 00-0798	LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		484.07	54.73
33 41	13 00-0799	LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		515.58	58.64
33 41	13 00-0800	LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		546.99	62.55
33 41	13 00-0801	LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		579.00	66.46
33 41	13 00-0802	LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		613.24	70.36
33 41	13 00-0803	LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		649.18	78.19
33 41	13 00-0804	LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		684.64	86.01
33 41	13 00-0805	LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		719.39	93.82
33 41	13 00-0806	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0768)}			
33 41	13 00-0807	LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		520.19	50.04
33 41	13 00-0808	LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		559.40	54.73
33 41	13 00-0809	LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		596.64	58.64
33 41	13 00-0810	LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		633.75	62.55
33 41	13 00-0811	LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		671.49	66.46
33 41	13 00-0812	LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		711.44	70.36
33 41	13 00-0813	LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		753.10	78.19
33 41	13 00-0814	LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		794.25	86.01
33 41	13 00-0815	LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		834.72	93.82
33 41	13 00-0816	LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		876.52	101.64
33 41	13 00-0817	LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		920.42	109.46
33 41	13 00-0818	LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....		966.73	117.27
33 41	13 00-0819	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping ^{(33 41} _{13 00-0525)}			



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0820		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0819)</small>		
33 41	13 00-0821	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	170.85	23.45
33 41	13 00-0822	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	206.70	26.58
33 41	13 00-0823	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	224.73	28.15
33 41	13 00-0824	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	281.18	34.40
33 41	13 00-0825	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	327.04	50.04
33 41	13 00-0826	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	350.64	54.73
33 41	13 00-0827	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	372.02	58.64
33 41	13 00-0828	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	393.35	62.55
33 41	13 00-0829	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	415.46	66.46
33 41	13 00-0830	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	440.11	70.36
33 41	13 00-0831		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0819)</small>		
33 41	13 00-0832	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	236.57	26.58
33 41	13 00-0833	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	258.00	28.15
33 41	13 00-0834	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	317.46	34.40
33 41	13 00-0835	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	366.24	50.04
33 41	13 00-0836	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	393.39	54.73
33 41	13 00-0837	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	418.09	58.64
33 41	13 00-0838	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	441.09	62.55
33 41	13 00-0839	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	468.04	66.46
33 41	13 00-0840	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	495.47	70.36
33 41	13 00-0841	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	524.51	78.19
33 41	13 00-0842	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	553.68	86.01
33 41	13 00-0843		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0819)</small>		
33 41	13 00-0844	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	324.67	28.15
33 41	13 00-0845	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	391.23	34.40
33 41	13 00-0846	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	446.98	50.04
33 41	13 00-0847	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	480.25	54.73
33 41	13 00-0848	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	511.21	58.64
33 41	13 00-0849	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	542.53	62.55
33 41	13 00-0850	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	574.25	66.46
33 41	13 00-0851	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	608.02	70.36
33 41	13 00-0852	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	643.87	78.19
33 41	13 00-0853	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	679.22	86.01
33 41	13 00-0854	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	713.56	93.82
33 41	13 00-0855		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0819)</small>		
33 41	13 00-0856	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	520.16	50.04
33 41	13 00-0857	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	560.24	54.73
33 41	13 00-0858	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	597.60	58.64
33 41	13 00-0859	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	634.69	62.55
33 41	13 00-0860	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	672.60	66.46
33 41	13 00-0861	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	712.49	70.36
33 41	13 00-0862	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	754.33	78.19
33 41	13 00-0863	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	795.82	86.01
33 41	13 00-0864	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	836.20	93.82
33 41	13 00-0865	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	887.47	101.64
33 41	13 00-0866	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	933.88	109.46
33 41	13 00-0867	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	983.87	117.27
33 41	13 00-0868		Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0524)</small>		
33 41	13 00-0869		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0868)</small>		
33 41	13 00-0870		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0869)</small>		
33 41	13 00-0871	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	28.94	8.29
			<i>For Bituminous Coated Pipe, Add</i>	2.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.17	
			<i>For Smooth-Flo, Add</i>	11.83	
33 41	13 00-0872	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	31.87	9.05
			<i>For Bituminous Coated Pipe, Add</i>	3.54	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.57	
			<i>For Smooth-Flo, Add</i>	14.13	
33 41	13 00-0873	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	36.17	9.80
			<i>For Bituminous Coated Pipe, Add</i>	4.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.31	
			<i>For Smooth-Flo, Add</i>	17.01	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0874	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.40 4.91 11.88 19.59	10.55
33 41 13 00-0875	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	52.88 6.24 15.09 24.88	13.57
33 41 13 00-0876	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	68.80 8.05 19.46 32.09	17.20
33 41 13 00-0877			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0869)</small>		
33 41 13 00-0878	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	31.35 3.08 7.20 11.81	8.29
33 41 13 00-0879	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.81 3.69 8.64 14.17	9.05
33 41 13 00-0880	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	39.45 4.39 10.27 16.84	9.80
33 41 13 00-0881	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.20 5.06 11.84 19.41	10.55
33 41 13 00-0882	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	57.62 6.41 14.99 24.59	13.57
33 41 13 00-0883	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	74.44 8.16 19.09 31.32	17.20
33 41 13 00-0884	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.02 9.72 22.75 37.31	20.33
33 41 13 00-0885			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0869)</small>		
33 41 13 00-0886	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.44 3.99 8.89 13.66	9.38
33 41 13 00-0887	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.42 4.74 10.54 16.21	10.16
33 41 13 00-0888	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	56.42 5.43 12.09 18.59	10.95
33 41 13 00-0889	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	73.22 6.84 15.22 23.41	14.07
33 41 13 00-0890	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.95 8.56 19.05 29.29	17.20
33 41 13 00-0891	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	98.31 10.12 22.53 34.64	20.33
33 41 13 00-0892	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	114.29 12.00 26.72 41.08	23.45
33 41 13 00-0893	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.13 13.26 29.50 45.36	26.58
33 41 13 00-0894			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0869)</small>		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0895 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.79 10.31 21.71 27.38	17.20
33 41 13 00-0896 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	110.94 12.16 25.61 32.30	20.33
33 41 13 00-0897 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.60 14.31 30.13 38.00	23.45
33 41 13 00-0898 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	144.32 15.87 33.41 42.14	26.58
33 41 13 00-0899 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	158.02 17.42 36.68 46.26	28.15
33 41 13 00-0900 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0868)</small>		
33 41 13 00-0901 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0900)</small>		
33 41 13 00-0902 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.98 15.29 46.49 52.00	26.58
33 41 13 00-0903 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	139.81 16.74 50.88 56.90	28.15
33 41 13 00-0904 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	172.46 21.02 63.90 71.47	34.40
33 41 13 00-0905 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	212.19 22.54 68.51 76.62	50.04
33 41 13 00-0906 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.09 24.13 73.34 82.03	54.73
33 41 13 00-0907 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.91 25.73 78.21 87.48	58.64
33 41 13 00-0908 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	261.68 27.32 83.05 92.88	62.55
33 41 13 00-0909 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	278.01 28.91 87.87 98.28	66.46
33 41 13 00-0910 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0900)</small>		
33 41 13 00-0911 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	164.72 21.72 56.90 67.33	28.15
33 41 13 00-0912 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.09 26.55 69.55 82.29	34.40
33 41 13 00-0913 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	242.26 28.55 74.80 88.51	50.04
33 41 13 00-0914 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.60 30.63 80.25 94.95	54.73
33 41 13 00-0915 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	280.84 32.71 85.71 101.41	58.64
33 41 13 00-0916 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.06 34.79 91.16 107.86	62.55

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0917	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.81 36.87 96.59 114.28	66.46
33 41	13 00-0918	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.83 38.96 102.08 120.78	70.36
33 41	13 00-0919	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	361.59 41.04 107.54 127.24	78.19
33 41	13 00-0920	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	385.06 43.33 113.53 134.33	86.01
33 41	13 00-0921		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0921)</small>		
33 41	13 00-0922	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	270.20 34.14 81.25 88.25	50.04
33 41	13 00-0923	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.85 36.68 87.29 94.81	54.73
33 41	13 00-0924	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	313.38 39.22 93.35 101.39	58.64
33 41	13 00-0925	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.86 41.75 99.37 107.93	62.55
33 41	13 00-0926	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	354.92 44.29 105.41 114.48	66.46
33 41	13 00-0927	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	378.21 46.84 111.47 121.08	70.36
33 41	13 00-0928	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	403.26 49.38 117.52 127.64	78.19
33 41	13 00-0929	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	428.84 52.09 123.97 134.65	86.01
33 41	13 00-0930	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	456.15 55.34 131.71 143.06	93.82
33 41	13 00-0931		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0931)</small>		
33 41	13 00-0932		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0932)</small>		
33 41	13 00-0933	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.00 29.10 71.00 90.35	50.04
33 41	13 00-0934	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.07 31.12 75.94 96.63	54.73
33 41	13 00-0935	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	282.88 33.12 80.82 102.84	58.64
33 41	13 00-0936	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	300.70 35.12 85.70 109.05	62.55
33 41	13 00-0937	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	319.16 37.14 90.61 115.31	66.46



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0938 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	339.95	70.36
For Bituminous Coated Pipe, Add	39.19	
For Bituminous Coated And 25% Paved, Add	95.61	
For Smooth-Flo, Add	121.67	
33 41 13 00-0939 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	362.48	78.19
For Bituminous Coated Pipe, Add	41.22	
For Bituminous Coated And 25% Paved, Add	100.58	
For Smooth-Flo, Add	127.99	
33 41 13 00-0940 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	387.28	86.01
For Bituminous Coated Pipe, Add	43.78	
For Bituminous Coated And 25% Paved, Add	106.81	
For Smooth-Flo, Add	135.92	
33 41 13 00-0941 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0931)</small>		
33 41 13 00-0942 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	275.93	50.04
For Bituminous Coated Pipe, Add	35.28	
For Bituminous Coated And 25% Paved, Add	79.74	
For Smooth-Flo, Add	86.62	
33 41 13 00-0943 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	298.47	54.73
For Bituminous Coated Pipe, Add	37.80	
For Bituminous Coated And 25% Paved, Add	85.43	
For Smooth-Flo, Add	92.80	
33 41 13 00-0944 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	318.80	58.64
For Bituminous Coated Pipe, Add	40.31	
For Bituminous Coated And 25% Paved, Add	91.09	
For Smooth-Flo, Add	98.95	
33 41 13 00-0945 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	339.21	62.55
For Bituminous Coated Pipe, Add	42.82	
For Bituminous Coated And 25% Paved, Add	96.78	
For Smooth-Flo, Add	105.13	
33 41 13 00-0946 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	359.76	66.46
For Bituminous Coated Pipe, Add	45.26	
For Bituminous Coated And 25% Paved, Add	102.28	
For Smooth-Flo, Add	111.10	
33 41 13 00-0947 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	383.40	70.36
For Bituminous Coated Pipe, Add	47.88	
For Bituminous Coated And 25% Paved, Add	108.20	
For Smooth-Flo, Add	117.54	
33 41 13 00-0948 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	408.49	78.19
For Bituminous Coated Pipe, Add	50.42	
For Bituminous Coated And 25% Paved, Add	113.96	
For Smooth-Flo, Add	123.79	
33 41 13 00-0949 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	435.83	86.01
For Bituminous Coated Pipe, Add	53.49	
For Bituminous Coated And 25% Paved, Add	120.88	
For Smooth-Flo, Add	131.31	
33 41 13 00-0950 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	461.32	93.82
For Bituminous Coated Pipe, Add	56.38	
For Bituminous Coated And 25% Paved, Add	127.41	
For Smooth-Flo, Add	138.40	
33 41 13 00-0951 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0951)</small>		
33 41 13 00-0952 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0951)</small>		
33 41 13 00-0953 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	44.44	8.29
33 41 13 00-0954 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.39	9.05
33 41 13 00-0955 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.52	9.80
33 41 13 00-0956 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	66.20	10.55
33 41 13 00-0957 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.74	13.57
33 41 13 00-0958 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.48	17.20
33 41 13 00-0959 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0951)</small>		
33 41 13 00-0960 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	49.97	8.29
33 41 13 00-0961 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	57.15	9.05
33 41 13 00-0962 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	66.06	9.80
33 41 13 00-0963 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.97	10.55
33 41 13 00-0964 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.64	13.57
33 41 13 00-0965 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.45	17.20
33 41 13 00-0966 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	144.72	20.33
33 41 13 00-0967 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0951)</small>		
33 41 13 00-0968 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.72	9.05
33 41 13 00-0969 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.69	9.80
33 41 13 00-0970 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.19	10.55
33 41 13 00-0971 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.37	13.57
33 41 13 00-0972 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.95	17.20
33 41 13 00-0973 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.73	20.33

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0974 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	216.28	23.45
33 41 13 00-0975 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	240.46	26.58
33 41 13 00-0976 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0976)</small>		
33 41 13 00-0977 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.22	17.20
33 41 13 00-0978 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	214.39	20.33
33 41 13 00-0979 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	251.04	23.45
33 41 13 00-0980 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	279.76	26.58
33 41 13 00-0981 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.41	28.15
33 41 13 00-0982 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0982)</small>		
33 41 13 00-0983 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0983)</small>		
33 41 13 00-0984 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	242.75	26.58
33 41 13 00-0985 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	265.17	28.15
33 41 13 00-0986 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	331.24	34.40
33 41 13 00-0987 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	382.17	50.04
33 41 13 00-0988 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	411.88	54.73
33 41 13 00-0989 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	439.52	58.64
33 41 13 00-0990 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	467.07	62.55
33 41 13 00-0991 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	495.23	66.46
33 41 13 00-0992 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0992)</small>		
33 41 13 00-0993 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	328.53	28.15
33 41 13 00-0994 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	401.77	34.40
33 41 13 00-0995 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	458.93	50.04
33 41 13 00-0996 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	494.76	54.73
33 41 13 00-0997 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	528.55	58.64
33 41 13 00-0998 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	562.32	62.55
33 41 13 00-0999 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	596.57	66.46
33 41 13 00-1000 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	633.18	70.36
33 41 13 00-1001 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	671.48	78.19
33 41 13 00-1002 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	712.04	86.01
33 41 13 00-1003 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1003)</small>		
33 41 13 00-1004 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	528.57	50.04
33 41 13 00-1005 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	570.15	54.73
33 41 13 00-1006 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	609.70	58.64
33 41 13 00-1007 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	649.06	62.55
33 41 13 00-1008 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	689.05	66.46
33 41 13 00-1009 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	731.36	70.36
33 41 13 00-1010 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	775.39	78.19
33 41 13 00-1011 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	821.18	86.01
33 41 13 00-1012 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	872.77	93.82
33 41 13 00-1013 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1013)</small>		
33 41 13 00-1014 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1014)</small>		
33 41 13 00-1015 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	452.67	50.04
33 41 13 00-1016 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	486.93	54.73
33 41 13 00-1017 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	518.77	58.64
33 41 13 00-1018 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	550.58	62.55
33 41 13 00-1019 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	583.15	66.46
33 41 13 00-1020 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	618.31	70.36
33 41 13 00-1021 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	655.09	78.19
33 41 13 00-1022 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	697.77	86.01
33 41 13 00-1023 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1023)</small>		
33 41 13 00-1024 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.95	50.04
33 41 13 00-1025 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	567.10	54.73
33 41 13 00-1026 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	604.97	58.64
33 41 13 00-1027 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	643.01	62.55
33 41 13 00-1028 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	680.64	66.46
33 41 13 00-1029 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	722.61	70.36
33 41 13 00-1030 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	765.58	78.19
33 41 13 00-1031 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	814.43	86.01
33 41 13 00-1032 LF 142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	860.06	93.82
33 41 13 00-1033 Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0524)</small>		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1034 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1035 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1034)</small>		
33 41 13 00-1036 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.37 4.41	7.92
33 41 13 00-1037 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.79 5.56	8.29
33 41 13 00-1038 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.32 6.74	9.05
33 41 13 00-1039 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.98 8.06	9.80
33 41 13 00-1040 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.12 9.07	10.55
33 41 13 00-1041 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.95 11.77	13.57
33 41 13 00-1042 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.23 14.85	17.20
33 41 13 00-1043 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.27 17.56	20.33
33 41 13 00-1044 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	93.61 19.68	23.45
33 41 13 00-1045 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1034)</small>		
33 41 13 00-1046 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.76 4.19	7.92
33 41 13 00-1047 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.73 5.26	8.29
33 41 13 00-1048 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.82 6.36	9.05
33 41 13 00-1049 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.05 7.56	9.80
33 41 13 00-1050 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.84 8.56	10.55
33 41 13 00-1051 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.73 11.00	13.57
33 41 13 00-1052 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.22 13.78	17.20
33 41 13 00-1053 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.32 16.23	20.33
33 41 13 00-1054 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	102.78 18.23	23.45
33 41 13 00-1055 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	122.67 22.42	26.58
33 41 13 00-1056 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1034)</small>		
33 41 13 00-1057 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.20 5.93	9.05
33 41 13 00-1058 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.65 7.01	9.80
33 41 13 00-1059 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.62 7.94	10.55
33 41 13 00-1060 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.93 10.13	13.57
33 41 13 00-1061 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.94 12.57	17.20
33 41 13 00-1062 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	108.38 14.74	20.33
33 41 13 00-1063 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	122.24 16.63	23.45
33 41 13 00-1064 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	144.90 20.08	26.58
33 41 13 00-1065 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.24 21.95	28.15
33 41 13 00-1066 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	192.94 27.00	34.40
33 41 13 00-1067 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1034)</small>		
33 41 13 00-1068 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	108.18 13.77	17.20
33 41 13 00-1069 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.86 16.14	20.33
33 41 13 00-1070 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.82 18.22	23.45

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1071 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	164.61	26.58
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.72	
33 41 13 00-1072 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.18	28.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.82	
33 41 13 00-1073 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	217.03	34.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.74	
33 41 13 00-1074 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.97	50.04
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.81	
33 41 13 00-1075 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1076 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1075)</small>		
33 41 13 00-1077 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.64	17.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.51	
33 41 13 00-1078 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.18	20.33
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	19.38	
33 41 13 00-1079 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.00	23.45
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.74	
33 41 13 00-1080 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.37	26.58
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.55	
33 41 13 00-1081 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.78	28.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.93	
33 41 13 00-1082 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.52	34.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.16	
33 41 13 00-1083 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	212.66	50.04
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.60	
33 41 13 00-1084 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	229.62	54.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.06	
33 41 13 00-1085 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	244.47	58.64
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.52	
33 41 13 00-1086 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.32	62.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.98	
33 41 13 00-1087 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.73	66.46
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.44	
33 41 13 00-1088 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.35	70.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.92	
33 41 13 00-1089 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1075)</small>		
33 41 13 00-1090 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.33	26.58
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.01	
33 41 13 00-1091 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.99	28.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	25.12	
33 41 13 00-1092 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	188.06	34.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.62	
33 41 13 00-1093 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.51	50.04
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.80	
33 41 13 00-1094 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	246.75	54.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.97	
33 41 13 00-1095 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.94	58.64
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.17	
33 41 13 00-1096 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	279.06	62.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.34	
33 41 13 00-1097 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	295.74	66.46
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.51	
33 41 13 00-1098 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	314.64	70.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.70	
33 41 13 00-1099 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	335.33	78.19
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.89	
33 41 13 00-1100 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	355.57	86.01
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.04	
33 41 13 00-1101 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1075)</small>		
33 41 13 00-1102 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.37	28.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.69	
33 41 13 00-1103 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	220.59	34.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.22	
33 41 13 00-1104 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.86	50.04
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.21	
33 41 13 00-1105 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	284.98	54.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.21	
33 41 13 00-1106 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.01	58.64
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.23	
33 41 13 00-1107 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	323.00	62.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.24	
33 41 13 00-1108 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.54	66.46
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.24	
33 41 13 00-1109 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	364.29	70.36
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.25	



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Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1110 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	387.82 62.26	78.19
33 41 13 00-1111 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	410.93 65.24	86.01
33 41 13 00-1112 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	433.18 68.26	93.82
33 41 13 00-1113 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1075)</small>		
33 41 13 00-1114 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	296.84 54.27	50.04
33 41 13 00-1115 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	320.61 58.07	54.73
33 41 13 00-1116 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	342.35 61.90	58.64
33 41 13 00-1117 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	364.02 65.71	62.55
33 41 13 00-1118 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	386.30 69.53	66.46
33 41 13 00-1119 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	410.78 73.36	70.36
33 41 13 00-1120 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	436.97 77.17	78.19
33 41 13 00-1121 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	462.78 80.95	86.01
33 41 13 00-1122 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	487.76 84.79	93.82
33 41 13 00-1123 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	514.17 88.59	101.64
33 41 13 00-1124 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	542.57 92.41	109.46
33 41 13 00-1125 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	573.37 96.25	117.27
33 41 13 00-1126 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1127 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1126)</small>		
33 41 13 00-1128 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.39 26.93	23.45
33 41 13 00-1129 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.07 33.00	26.58
33 41 13 00-1130 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.38 35.88	28.15
33 41 13 00-1131 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	172.17 45.17	34.40
33 41 13 00-1132 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	211.15 48.12	50.04
33 41 13 00-1133 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.94 51.06	54.73
33 41 13 00-1134 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	242.53 53.99	58.64
33 41 13 00-1135 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	257.10 56.90	62.55
33 41 13 00-1136 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	272.37 59.86	66.46
33 41 13 00-1137 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.94 62.89	70.36
33 41 13 00-1138 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1126)</small>		
33 41 13 00-1139 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.01 31.11	26.58
33 41 13 00-1140 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	156.04 33.97	28.15
33 41 13 00-1141 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	190.31 41.80	34.40
33 41 13 00-1142 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	230.78 44.63	50.04
33 41 13 00-1143 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	249.31 47.55	54.73
33 41 13 00-1144 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.57 50.42	58.64
33 41 13 00-1145 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	280.99 53.01	62.55
33 41 13 00-1146 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	298.64 56.15	66.46
33 41 13 00-1147 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	317.63 59.03	70.36

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1148 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	338.34	78.19
For 1/2 Bituminous Coated And 25% Paved, Add	61.87	
33 41 13 00-1149 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	358.94	86.01
For 1/2 Bituminous Coated And 25% Paved, Add	64.78	
33 41 13 00-1150 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1126)</small>		
33 41 13 00-1151 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	187.17	28.15
For 1/2 Bituminous Coated And 25% Paved, Add	37.48	
33 41 13 00-1152 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	224.63	34.40
For 1/2 Bituminous Coated And 25% Paved, Add	44.98	
33 41 13 00-1153 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	268.36	50.04
For 1/2 Bituminous Coated And 25% Paved, Add	48.29	
33 41 13 00-1154 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	289.77	54.73
For 1/2 Bituminous Coated And 25% Paved, Add	51.57	
33 41 13 00-1155 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	308.98	58.64
For 1/2 Bituminous Coated And 25% Paved, Add	54.83	
33 41 13 00-1156 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	328.35	62.55
For 1/2 Bituminous Coated And 25% Paved, Add	58.13	
33 41 13 00-1157 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	348.18	66.46
For 1/2 Bituminous Coated And 25% Paved, Add	61.40	
33 41 13 00-1158 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	370.16	70.36
For 1/2 Bituminous Coated And 25% Paved, Add	64.68	
33 41 13 00-1159 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	394.04	78.19
For 1/2 Bituminous Coated And 25% Paved, Add	67.97	
33 41 13 00-1160 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	417.54	86.01
For 1/2 Bituminous Coated And 25% Paved, Add	71.25	
33 41 13 00-1161 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	440.04	93.82
For 1/2 Bituminous Coated And 25% Paved, Add	74.53	
33 41 13 00-1162 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1126)</small>		
33 41 13 00-1163 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	304.34	50.04
For 1/2 Bituminous Coated And 25% Paved, Add	58.58	
33 41 13 00-1164 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	329.11	54.73
For 1/2 Bituminous Coated And 25% Paved, Add	62.82	
33 41 13 00-1165 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	351.44	58.64
For 1/2 Bituminous Coated And 25% Paved, Add	66.97	
33 41 13 00-1166 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	373.64	62.55
For 1/2 Bituminous Coated And 25% Paved, Add	71.09	
33 41 13 00-1167 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	396.53	66.46
For 1/2 Bituminous Coated And 25% Paved, Add	75.23	
33 41 13 00-1168 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	421.50	70.36
For 1/2 Bituminous Coated And 25% Paved, Add	79.36	
33 41 13 00-1169 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	448.35	78.19
For 1/2 Bituminous Coated And 25% Paved, Add	83.51	
33 41 13 00-1170 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	474.85	86.01
For 1/2 Bituminous Coated And 25% Paved, Add	87.64	
33 41 13 00-1171 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	500.30	93.82
For 1/2 Bituminous Coated And 25% Paved, Add	91.77	
33 41 13 00-1172 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	531.93	101.64
For 1/2 Bituminous Coated And 25% Paved, Add	97.21	
33 41 13 00-1173 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	562.08	109.46
For 1/2 Bituminous Coated And 25% Paved, Add	101.69	
33 41 13 00-1174 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	595.22	117.27
For 1/2 Bituminous Coated And 25% Paved, Add	106.35	
33 41 13 00-1175 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1176 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1175)</small>		
33 41 13 00-1177 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	38.34	9.05
33 41 13 00-1178 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	43.63	9.80
33 41 13 00-1179 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	48.63	10.55
33 41 13 00-1180 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	63.67	13.57
33 41 13 00-1181 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	81.12	17.20
33 41 13 00-1182 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	92.37	20.33
33 41 13 00-1183 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	104.19	23.45
33 41 13 00-1184 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	123.30	26.58
33 41 13 00-1185 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	134.69	28.15
33 41 13 00-1186 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1175)</small>		
33 41 13 00-1187 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	41.80	9.05
33 41 13 00-1188 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	47.68	9.80
33 41 13 00-1189 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	53.22	10.55
33 41 13 00-1190 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	69.40	13.57
33 41 13 00-1191 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	88.02	17.20
33 41 13 00-1192 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	100.44	20.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1193 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	113.41	23.45
33 41 13 00-1194 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.66	26.58
33 41 13 00-1195 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	146.24	28.15
33 41 13 00-1196 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	177.65	34.40
33 41 13 00-1197 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	217.65	50.04
33 41 13 00-1198 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	235.56	54.73
33 41 13 00-1199 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1175)</small>		
33 41 13 00-1200 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	81.02	13.57
33 41 13 00-1201 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.93	17.20
33 41 13 00-1202 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.74	20.33
33 41 13 00-1203 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.00	23.45
33 41 13 00-1204 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.57	26.58
33 41 13 00-1205 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.50	28.15
33 41 13 00-1206 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	203.19	34.40
33 41 13 00-1207 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	245.48	50.04
33 41 13 00-1208 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	265.70	54.73
33 41 13 00-1209 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	283.71	58.64
33 41 13 00-1210 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	301.76	62.55
33 41 13 00-1211 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	320.31	66.46
33 41 13 00-1212 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	339.93	70.36
33 41 13 00-1213 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-0524)</small>		
33 41 13 00-1214 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1213)</small>		
33 41 13 00-1215 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1214)</small>		
33 41 13 00-1216 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	31.60	8.29
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.18	
33 41 13 00-1217 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	35.04	9.05
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.58	
33 41 13 00-1218 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	39.97	9.80
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.32	
33 41 13 00-1219 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	44.79	10.55
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.89	
33 41 13 00-1220 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	58.46	13.57
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.11	
33 41 13 00-1221 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	75.99	17.20
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.48	
33 41 13 00-1222 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1214)</small>		
33 41 13 00-1223 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	34.54	8.29
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.44	
33 41 13 00-1224 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	38.61	9.05
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.91	
33 41 13 00-1225 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	43.99	9.80
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.60	
33 41 13 00-1226 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	49.44	10.55
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.23	
33 41 13 00-1227 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	64.26	13.57
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.49	
33 41 13 00-1228 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	82.90	17.20
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.73	
33 41 13 00-1229 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	95.09	20.33
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.50	
33 41 13 00-1230 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1214)</small>		
33 41 13 00-1231 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	45.89	9.05
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.16	
33 41 13 00-1232 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	52.62	9.80
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.70	
33 41 13 00-1233 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	59.22	10.55
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.14	
33 41 13 00-1234 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	76.46	13.57
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.06	
33 41 13 00-1235 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	97.64	17.20
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	17.68	
33 41 13 00-1236 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	112.29	20.33
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.95	
33 41 13 00-1237 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	131.21	23.45
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	24.94	
33 41 13 00-1238 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	146.66	26.58
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	27.50	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1239		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1214)</small>		
33 41 13 00-1240	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.88 18.60	17.20
33 41 13 00-1241	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	127.73 21.98	20.33
33 41 13 00-1242	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	148.72 25.96	23.45
33 41 13 00-1243	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	166.46 28.74	26.58
33 41 13 00-1244	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	182.18 31.51	28.15
33 41 13 00-1245		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1213)</small>		
33 41 13 00-1246		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1245)</small>		
33 41 13 00-1247	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	141.69 41.30	26.58
33 41 13 00-1248	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	154.80 45.19	28.15
33 41 13 00-1249	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	191.30 56.76	34.40
33 41 13 00-1250	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	232.37 60.85	50.04
33 41 13 00-1251	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	251.72 65.16	54.73
33 41 13 00-1252	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	268.94 69.46	58.64
33 41 13 00-1253	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	286.14 73.76	62.55
33 41 13 00-1254	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	303.92 78.06	66.46
33 41 13 00-1255		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1245)</small>		
33 41 13 00-1256	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	184.20 51.36	28.15
33 41 13 00-1257	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	223.89 62.77	34.40
33 41 13 00-1258	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	267.86 67.51	50.04
33 41 13 00-1259	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	290.04 72.41	54.73
33 41 13 00-1260	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	310.17 77.35	58.64
33 41 13 00-1261	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	330.26 82.27	62.55
33 41 13 00-1262	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	350.88 87.18	66.46
33 41 13 00-1263	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	373.76 92.13	70.36
33 41 13 00-1264	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	398.38 97.05	78.19
33 41 13 00-1265	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	423.92 102.46	86.01
33 41 13 00-1266		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1245)</small>		
33 41 13 00-1267	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	300.81 73.07	50.04
33 41 13 00-1268	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	325.73 78.51	54.73
33 41 13 00-1269	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	348.56 83.96	58.64
33 41 13 00-1270	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	371.30 89.37	62.55
33 41 13 00-1271	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.46 95.46	66.46
33 41 13 00-1272	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	420.22 100.26	70.36
33 41 13 00-1273	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	447.56 105.70	78.19
33 41 13 00-1274	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	475.55 111.50	86.01
33 41 13 00-1275	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	505.78 118.46	93.82



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1276 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1213)</small>		
33 41 13 00-1277 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1276)</small>		
33 41 13 00-1278 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 271.19 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 66.44	271.19	50.04
33 41 13 00-1279 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 293.07 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 71.06	293.07	54.73
33 41 13 00-1280 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 312.71 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 75.64	312.71	58.64
33 41 13 00-1281 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 332.33 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 80.20	332.33	62.55
33 41 13 00-1282 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 352.59 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 84.80	352.59	66.46
33 41 13 00-1283 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 375.22 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 89.47	375.22	70.36
33 41 13 00-1284 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 399.59 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 94.13	399.59	78.19
33 41 13 00-1285 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 426.68 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 99.95	426.68	86.01
33 41 13 00-1286 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1276)</small>		
33 41 13 00-1287 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 307.69 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 73.70	307.69	50.04
33 41 13 00-1288 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 332.50 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 78.96	332.50	54.73
33 41 13 00-1289 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 355.08 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 84.18	355.08	58.64
33 41 13 00-1290 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 377.75 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 89.44	377.75	62.55
33 41 13 00-1291 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 400.51 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 94.53	400.51	66.46
33 41 13 00-1292 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 426.49 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 99.99	426.49	70.36
33 41 13 00-1293 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 453.90 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 105.33	453.90	78.19
33 41 13 00-1294 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 483.98 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 111.72	483.98	86.01
33 41 13 00-1295 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch 512.08 <i>For 1/2 Bituminous Coated And 40% Paved, Add</i> 117.75	512.08	93.82
33 41 13 00-1296 Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-0524)</small>		
33 41 13 00-1297 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1296)</small>		
33 41 13 00-1298 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1297)</small>		
33 41 13 00-1299 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 16.16 <i>For Bituminous Coated Pipe, Add</i> 1.37	16.16	4.52
33 41 13 00-1300 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 20.62 <i>For Bituminous Coated Pipe, Add</i> 1.85	20.62	5.65
33 41 13 00-1301 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 26.64 <i>For Bituminous Coated Pipe, Add</i> 2.44	26.64	6.78
33 41 13 00-1302 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1297)</small>		
33 41 13 00-1303 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 17.73 <i>For Bituminous Coated Pipe, Add</i> 1.35	17.73	4.52
33 41 13 00-1304 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 22.83 <i>For Bituminous Coated Pipe, Add</i> 1.85	22.83	5.65
33 41 13 00-1305 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 29.60 <i>For Bituminous Coated Pipe, Add</i> 2.45	29.60	6.78
33 41 13 00-1306 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1296)</small>		
33 41 13 00-1307 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1306)</small>		
33 41 13 00-1308 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 30.97 <i>For Bituminous Coated Pipe, Add</i> 2.69	30.97	7.92
33 41 13 00-1309 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 35.26 <i>For Bituminous Coated Pipe, Add</i> 3.37	35.26	8.29
33 41 13 00-1310 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 39.79 <i>For Bituminous Coated Pipe, Add</i> 4.10	39.79	9.05

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1311	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	45.48	9.80
			<i>For Bituminous Coated Pipe, Add</i>	4.89	
33 41	13 00-1312	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	50.65	10.55
			<i>For Bituminous Coated Pipe, Add</i>	5.55	
33 41	13 00-1313		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1306)</small>		
33 41	13 00-1314	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	34.33	7.92
			<i>For Bituminous Coated Pipe, Add</i>	2.63	
33 41	13 00-1315	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	39.54	8.29
			<i>For Bituminous Coated Pipe, Add</i>	3.31	
33 41	13 00-1316	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	44.92	9.05
			<i>For Bituminous Coated Pipe, Add</i>	4.01	
33 41	13 00-1317	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	51.43	9.80
			<i>For Bituminous Coated Pipe, Add</i>	4.76	
33 41	13 00-1318	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	57.48	10.55
			<i>For Bituminous Coated Pipe, Add</i>	5.41	
33 41	13 00-1319	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	74.99	13.57
			<i>For Bituminous Coated Pipe, Add</i>	6.93	
33 41	13 00-1320	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	95.13	17.20
			<i>For Bituminous Coated Pipe, Add</i>	8.62	
33 41	13 00-1321		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1306)</small>		
33 41	13 00-1322	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	70.53	10.55
			<i>For Bituminous Coated Pipe, Add</i>	5.14	
33 41	13 00-1323	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	91.24	13.57
			<i>For Bituminous Coated Pipe, Add</i>	6.53	
33 41	13 00-1324	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	114.65	17.20
			<i>For Bituminous Coated Pipe, Add</i>	8.05	
33 41	13 00-1325	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	131.73	20.33
			<i>For Bituminous Coated Pipe, Add</i>	9.47	
33 41	13 00-1326	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	148.96	23.45
			<i>For Bituminous Coated Pipe, Add</i>	10.72	
33 41	13 00-1327	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	174.96	26.58
			<i>For Bituminous Coated Pipe, Add</i>	12.72	
33 41	13 00-1328		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1306)</small>		
33 41	13 00-1329	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	135.44	17.20
			<i>For Bituminous Coated Pipe, Add</i>	7.92	
33 41	13 00-1330	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.96	20.33
			<i>For Bituminous Coated Pipe, Add</i>	9.29	
33 41	13 00-1331	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	176.72	23.45
			<i>For Bituminous Coated Pipe, Add</i>	10.55	
33 41	13 00-1332	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	206.19	26.58
			<i>For Bituminous Coated Pipe, Add</i>	12.37	
33 41	13 00-1333	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	226.58	28.15
			<i>For Bituminous Coated Pipe, Add</i>	13.64	
33 41	13 00-1334		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1296)</small>		
33 41	13 00-1335		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1334)</small>		
33 41	13 00-1336	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	73.93	13.57
33 41	13 00-1337	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	93.81	17.20
33 41	13 00-1338	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	106.99	20.33
33 41	13 00-1339	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	121.12	23.45
33 41	13 00-1340	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	142.71	26.58
33 41	13 00-1341		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1334)</small>		
33 41	13 00-1342	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	82.49	13.57
33 41	13 00-1343	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	106.02	17.20
33 41	13 00-1344	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	121.16	20.33
33 41	13 00-1345	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	136.59	23.45
33 41	13 00-1346	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	160.83	26.58
33 41	13 00-1347	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	175.81	28.15
33 41	13 00-1348	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	213.66	34.40
33 41	13 00-1349	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	256.28	50.04
33 41	13 00-1350	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	276.73	54.73
33 41	13 00-1351		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1334)</small>		



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Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1352 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	102.47	13.57
33 41 13 00-1353 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	128.48	17.20
33 41 13 00-1354 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	148.01	20.33
33 41 13 00-1355 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	167.38	23.45
33 41 13 00-1356 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	195.39	26.58
33 41 13 00-1357 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	214.08	28.15
33 41 13 00-1358 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	255.63	34.40
33 41 13 00-1359 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	302.06	50.04
33 41 13 00-1360 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	326.25	54.73
33 41 13 00-1361 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	348.36	58.64
33 41 13 00-1362 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	370.42	62.55
33 41 13 00-1363 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	393.05	66.46
33 41 13 00-1364 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1334)</small>		
33 41 13 00-1365 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	254.34	28.15
33 41 13 00-1366 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	298.22	34.40
33 41 13 00-1367 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	348.46	50.04
33 41 13 00-1368 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	376.48	54.73
33 41 13 00-1369 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	402.35	58.64
33 41 13 00-1370 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	428.23	62.55
33 41 13 00-1371 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	454.65	66.46
33 41 13 00-1372 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	483.32	70.36
33 41 13 00-1373 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	513.73	78.19
33 41 13 00-1374 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1296)</small>		
<small>Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.</small>		
33 41 13 00-1375 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1374)</small>		
33 41 13 00-1376 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.31	9.05
33 41 13 00-1377 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.21	9.80
33 41 13 00-1378 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.96	10.55
33 41 13 00-1379 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.15	12.05
33 41 13 00-1380 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.65	13.57
33 41 13 00-1381 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.05	15.07
33 41 13 00-1382 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1374)</small>		
33 41 13 00-1383 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	58.55	9.05
33 41 13 00-1384 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.34	9.80
33 41 13 00-1385 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.69	10.55
33 41 13 00-1386 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.07	12.05
33 41 13 00-1387 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.77	13.57
33 41 13 00-1388 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.41	15.07
33 41 13 00-1389 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.63	17.20
33 41 13 00-1390 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.04	20.33
33 41 13 00-1391 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	159.56	23.45
33 41 13 00-1392 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1374)</small>		
33 41 13 00-1393 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.46	13.57
33 41 13 00-1394 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.41	15.07
33 41 13 00-1395 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.05	17.20
33 41 13 00-1396 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.21	20.33
33 41 13 00-1397 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.47	23.45
33 41 13 00-1398 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.71	26.58
33 41 13 00-1399 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.80	28.15
33 41 13 00-1400 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1374)</small>		
33 41 13 00-1401 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.73	23.45
33 41 13 00-1402 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.33	26.58
33 41 13 00-1403 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	350.78	28.15
33 41 13 00-1404 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	408.04	34.40
33 41 13 00-1405 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	467.41	50.04
33 41 13 00-1406 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.99	54.73
33 41 13 00-1407 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	540.13	58.64
33 41 13 00-1408 Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-0524)</small>		
33 41 13 00-1409 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1410		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1409)</small>		
	33 41	13 00-1411	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	36.78 3.38	8.29
	33 41	13 00-1412	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	41.24 4.04	9.05
	33 41	13 00-1413	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	47.13 4.80	9.80
33 41	13 00-1414		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1409)</small>		
	33 41	13 00-1415	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	41.07 3.37	8.29
	33 41	13 00-1416	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	45.35 3.88	9.05
	33 41	13 00-1417	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	53.08 4.77	9.80
	33 41	13 00-1418	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	59.71 5.47	10.55
	33 41	13 00-1419	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	77.22 6.92	13.57
33 41	13 00-1420		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1409)</small>		
	33 41	13 00-1421	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	72.77 5.21	10.55
	33 41	13 00-1422	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	93.50 6.57	13.57
	33 41	13 00-1423	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	118.48 8.20	17.20
	33 41	13 00-1424	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	136.78 9.70	20.33
33 41	13 00-1425		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1409)</small>		
	33 41	13 00-1426	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	139.24 7.91	17.20
	33 41	13 00-1427	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	161.04 9.34	20.33
	33 41	13 00-1428	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	186.94 10.94	23.45
	33 41	13 00-1429	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	209.55 12.17	26.58
33 41	13 00-1430		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		
33 41	13 00-1431		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1430)</small>		
	33 41	13 00-1432	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	164.19	26.58
	33 41	13 00-1433	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	179.71	28.15
	33 41	13 00-1434	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	218.48	34.40
33 41	13 00-1435		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1430)</small>		
	33 41	13 00-1436	LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	198.75	26.58
	33 41	13 00-1437	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	217.98	28.15
	33 41	13 00-1438	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	260.29	34.40
	33 41	13 00-1439	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	307.06	50.04
	33 41	13 00-1440	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	331.61	54.73
	33 41	13 00-1441	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	354.07	58.64
33 41	13 00-1442		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1430)</small>		
	33 41	13 00-1443	LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	258.18	28.15
	33 41	13 00-1444	LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	302.70	34.40
	33 41	13 00-1445	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	353.29	50.04
	33 41	13 00-1446	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	381.66	54.73
	33 41	13 00-1447	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	407.88	58.64
	33 41	13 00-1448	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	434.10	62.55
33 41	13 00-1449		Corrugated Steel Pipe Fittings <small>(33 41 13 00-0524)</small> Note: Equivalent pipe-arch sizes are approximate.		
33 41	13 00-1450		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 41 13 00-1449)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
	33 41	13 00-1451	EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	67.97	



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	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1452 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	85.23	
33 41 13 00-1453 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	102.51	
33 41 13 00-1454 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	120.86	
33 41 13 00-1455 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	146.74	
33 41 13 00-1456 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	172.63	
33 41 13 00-1457 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	198.53	
33 41 13 00-1458 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	224.42	
33 41 13 00-1459 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	292.40	
33 41 13 00-1460 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	348.50	
33 41 13 00-1461 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	404.61	
33 41 13 00-1462 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	523.30	
33 41 13 00-1463 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	590.20	
33 41 13 00-1464 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	659.25	
33 41 13 00-1465 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	730.46	
33 41 13 00-1466 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	890.15	
33 41 13 00-1467 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	971.05	
33 41 13 00-1468 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,054.13	
33 41 13 00-1469 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,293.66	
33 41 13 00-1470 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,388.62	
33 41 13 00-1471 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,484.65	
33 41 13 00-1472 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,580.67	
33 41 13 00-1473 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,675.61	
33 41 13 00-1474 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,771.65	
33 41 13 00-1475 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,872.90	
33 41 13 00-1476 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,979.93	
33 41 13 00-1477 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,093.05	

33 41 13 00-1478

Fabricate Corrugated Steel Pipe Tees Or Laterals (33 41 13 00-1449)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 41 13 00-1479 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	88.47	
33 41 13 00-1480 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	113.29	
33 41 13 00-1481 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	138.09	
33 41 13 00-1482 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	162.93	
33 41 13 00-1483 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.53	
33 41 13 00-1484 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	235.20	
33 41 13 00-1485 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	271.91	
33 41 13 00-1486 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	308.56	
33 41 13 00-1487 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	404.61	
33 41 13 00-1488 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	482.30	
33 41 13 00-1489 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	561.05	
33 41 13 00-1490 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	728.28	
33 41 13 00-1491 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	820.01	
33 41 13 00-1492 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	914.94	
33 41 13 00-1493 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,012.05	
33 41 13 00-1494 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,234.32	
33 41 13 00-1495 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,344.38	
33 41 13 00-1496 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,456.59	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1497 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,792.12	
33 41 13 00-1498 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,920.53	
33 41 13 00-1499 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,048.93	
33 41 13 00-1500 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,178.39	
33 41 13 00-1501 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,307.88	
33 41 13 00-1502 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,436.25	
33 41 13 00-1503 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,571.79	
33 41 13 00-1504 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,714.86	
33 41 13 00-1505 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,865.87	
33 41 13 00-1506 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 41 13 00-1449)		
Note: Applied to pipe tasks.		
33 41 13 00-1507 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	34.26	
33 41 13 00-1508 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	43.10	
33 41 13 00-1509 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	54.20	
33 41 13 00-1510 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	66.37	
33 41 13 00-1511 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	83.98	
33 41 13 00-1512 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	102.85	
33 41 13 00-1513 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	120.46	
33 41 13 00-1514 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	139.96	
33 41 13 00-1515 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	171.90	
33 41 13 00-1516 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	204.96	
33 41 13 00-1517 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	244.55	
33 41 13 00-1518 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	300.82	
33 41 13 00-1519 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	340.50	
33 41 13 00-1520 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	383.45	
33 41 13 00-1521 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	465.01	
33 41 13 00-1522 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	515.68	
33 41 13 00-1523 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	629.19	
33 41 13 00-1524 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	685.40	
33 41 13 00-1525 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	744.93	
33 41 13 00-1526 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	803.29	
33 41 13 00-1527 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	862.80	
33 41 13 00-1528 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	923.40	
33 41 13 00-1529 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	982.92	
33 41 13 00-1530 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,042.41	
33 41 13 00-1531 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,105.50	
33 41 13 00-1532 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,172.40	
33 41 13 00-1533 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,243.36	
33 41 13 00-1534 Coupling Bands, Corrugated Metal Pipe Fitting (33 41 13 00-1449)		
33 41 13 00-1535 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	7.82	
For Bituminous Coated, Add	2.27	
33 41 13 00-1536 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	10.38	
For Bituminous Coated, Add	3.01	
33 41 13 00-1537 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	13.08	
For Bituminous Coated, Add	3.79	
33 41 13 00-1538 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	21.71	
For Bituminous Coated, Add	6.30	
33 41 13 00-1539 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	27.38	
For Bituminous Coated, Add	7.94	
33 41 13 00-1540 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	40.17	
For Bituminous Coated, Add	11.65	
33 41 13 00-1541 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	47.67	
For Bituminous Coated, Add	13.82	
33 41 13 00-1542 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	54.06	
For Bituminous Coated, Add	15.68	
33 41 13 00-1543 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	93.55	
For Bituminous Coated, Add	27.13	
33 41 13 00-1544 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	149.67	
For Bituminous Coated, Add	35.92	
33 41 13 00-1545 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	175.86	
For Bituminous Coated, Add	42.21	
33 41 13 00-1546 EA 48" Coupling Band, Corrugated Metal Pipe Fitting.....	197.06	
For Bituminous Coated, Add	47.29	
33 41 13 00-1547 EA 54" Coupling Band, Corrugated Metal Pipe Fitting.....	279.46	
For Bituminous Coated, Add	67.07	
33 41 13 00-1548 EA 60" Coupling Band, Corrugated Metal Pipe Fitting.....	399.71	
For Bituminous Coated, Add	71.95	
33 41 13 00-1549 EA 66" Coupling Band, Corrugated Metal Pipe Fitting.....	491.23	
For Bituminous Coated, Add	88.42	
33 41 13 00-1550 EA 72" Coupling Band, Corrugated Metal Pipe Fitting.....	631.02	
For Bituminous Coated, Add	88.34	
33 41 13 00-1551 EA 78" Coupling Band, Corrugated Metal Pipe Fitting.....	674.92	
For Bituminous Coated, Add	94.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1552 EA 84" Coupling Band, Corrugated Metal Pipe Fitting	719.06	
For Bituminous Coated, Add	100.67	
33 41 13 00-1553 EA 90" Coupling Band, Corrugated Metal Pipe Fitting	762.98	
For Bituminous Coated, Add	106.82	
33 41 13 00-1554 EA 96" Coupling Band, Corrugated Metal Pipe Fitting	807.01	
For Bituminous Coated, Add	112.98	
33 41 13 00-1555 EA 102" Coupling Band, Corrugated Metal Pipe Fitting	851.16	
For Bituminous Coated, Add	119.16	
33 41 13 00-1556 EA 108" Coupling Band, Corrugated Metal Pipe Fitting	895.10	
For Bituminous Coated, Add	125.31	
33 41 13 00-1557 EA 114" Coupling Band, Corrugated Metal Pipe Fitting	1,060.15	
For Bituminous Coated, Add	127.22	
33 41 13 00-1558 EA 120" Coupling Band, Corrugated Metal Pipe Fitting	982.92	
For Bituminous Coated, Add	117.95	
33 41 13 00-1559 EA 126" Coupling Band, Corrugated Metal Pipe Fitting	1,026.73	
For Bituminous Coated, Add	123.21	
33 41 13 00-1560 EA 132" Coupling Band, Corrugated Metal Pipe Fitting	1,070.85	
For Bituminous Coated, Add	128.50	
33 41 13 00-1561 EA 138" Coupling Band, Corrugated Metal Pipe Fitting	1,115.02	
For Bituminous Coated, Add	133.80	
33 41 13 00-1562 Corrugated Metal Pipe End Sections (33 41 13 00-0524)		
33 41 13 00-1563 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1562)		
33 41 13 00-1564 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1563)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1565 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	196.71	52.76
33 41 13 00-1566 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	227.10	56.53
33 41 13 00-1567 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	263.71	60.29
33 41 13 00-1568 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	317.59	65.95
33 41 13 00-1569 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	351.44	71.60
33 41 13 00-1570 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1563)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1571 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	557.99	81.03
33 41 13 00-1572 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	717.72	93.82
33 41 13 00-1573 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,093.43	109.46
33 41 13 00-1574 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,333.99	125.09
33 41 13 00-1575 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,590.63	156.37
33 41 13 00-1576 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,858.63	187.65
33 41 13 00-1577 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1563)		
Note: Stubbed with 1" of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1578 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	204.86	52.76
33 41 13 00-1579 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	235.48	56.53
33 41 13 00-1580 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	276.59	60.29
33 41 13 00-1581 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	333.04	65.95
33 41 13 00-1582 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	368.98	71.60
33 41 13 00-1583 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	611.83	81.03
33 41 13 00-1584 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	783.58	93.82
33 41 13 00-1585 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,239.42	109.46
33 41 13 00-1586 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,522.39	125.09
33 41 13 00-1587 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,781.16	156.37
33 41 13 00-1588 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,462.07	187.65
33 41 13 00-1589 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,808.74	281.46
33 41 13 00-1590 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,296.51	375.28
33 41 13 00-1591 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,589.51	402.65
33 41 13 00-1592 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,889.45	430.01
33 41 13 00-1593 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 41 13 00-1563)		
33 41 13 00-1594 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	23.25	
33 41 13 00-1595 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	25.71	
33 41 13 00-1596 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	28.73	
33 41 13 00-1597 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	31.21	
33 41 13 00-1598 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	34.85	
33 41 13 00-1599 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	59.64	
33 41 13 00-1600 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	64.21	
33 41 13 00-1601 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	86.71	
33 41 13 00-1602 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	93.11	
33 41 13 00-1603 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	113.29	
33 41 13 00-1604 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	116.46	
33 41 13 00-1605 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	125.25	
33 41 13 00-1606 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	145.29	
33 41 13 00-1607 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	162.28	
33 41 13 00-1608 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	166.89	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 13 00-1609		Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1602)</small>		
33 41 13 00-1610		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1609)</small>		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1611	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	227.10	56.53
33 41 13 00-1612	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	263.71	60.29
33 41 13 00-1613	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	317.58	65.95
33 41 13 00-1614	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	351.44	71.60
33 41 13 00-1615		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1609)</small>		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1616	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	220.07	56.53
33 41 13 00-1617	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	250.70	60.29
33 41 13 00-1618	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	280.35	65.95
33 41 13 00-1619	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	315.88	71.60
33 41 13 00-1620	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	456.61	81.03
33 41 13 00-1621	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	655.80	93.82
33 41 13 00-1622	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,013.29	109.46
33 41 13 00-1623	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,280.58	125.09
33 41 13 00-1624		Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1609)</small>		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1625	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	223.64	56.53
33 41 13 00-1626	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	258.46	60.29
33 41 13 00-1627	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	292.48	65.95
33 41 13 00-1628	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	330.26	71.60
33 41 13 00-1629	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	481.05	81.03
33 41 13 00-1630	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	689.14	93.82
33 41 13 00-1631	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,066.61	109.46
33 41 13 00-1632	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,341.95	125.09
33 41 13 00-1633	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,615.85	156.37
33 41 13 00-1634	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,120.45	187.65
33 41 13 00-1635	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,963.60	281.46
33 41 13 00-1636	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,294.45	375.28
33 41 13 00-1637		Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1609)</small>		
33 41 13 00-1638	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.71	
33 41 13 00-1639	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.73	
33 41 13 00-1640	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	31.21	
33 41 13 00-1641	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	34.85	
33 41 13 00-1642	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	59.64	
33 41 13 00-1643	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	64.21	
33 41 13 00-1644	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	86.71	
33 41 13 00-1645	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	96.61	
33 41 13 00-1646	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	113.29	
33 41 13 00-1647	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	117.86	
33 41 13 00-1648	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	136.62	
33 41 13 00-1649	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	157.81	
33 41 13 00-1650		Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1602)</small>		
33 41 13 00-1651		Corrugated Aluminum Pipe End Sections <small>(33 41 13 00-1650)</small>		
33 41 13 00-1652	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	291.40	52.76
33 41 13 00-1653	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	334.92	56.53
33 41 13 00-1654	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	395.66	60.29
33 41 13 00-1655	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	488.64	65.95
33 41 13 00-1656	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	635.13	71.60
33 41 13 00-1657	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	946.87	81.03
33 41 13 00-1658	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,279.46	93.82
33 41 13 00-1659	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,589.26	93.82
33 41 13 00-1660	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,025.48	109.46
33 41 13 00-1661	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,886.31	125.09
33 41 13 00-1662	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,199.78	156.37
33 41 13 00-1663	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,309.32	187.65
33 41 13 00-1664	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,891.30	281.46
33 41 13 00-1665	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,727.86	375.28
33 41 13 00-1666	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,254.71	402.65
33 41 13 00-1667	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,600.65	430.01
33 41 13 00-1668	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,012.49	469.10
33 41 13 00-1669	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,975.53	508.20
33 41 13 00-1670		Toe Plate Extensions For Corrugated Aluminum Pipe End Section <small>(33 41 13 00-1650)</small>		
33 41 13 00-1671	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.79	
33 41 13 00-1672	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 41 13 00-1673 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	47.80	
				33 41 13 00-1674 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	53.65	
				33 41 13 00-1675 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	57.02	
				33 41 13 00-1676 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	74.06	
				33 41 13 00-1677 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	88.40	
				33 41 13 00-1678 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	92.90	
				33 41 13 00-1679 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	101.86	
				33 41 13 00-1680 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	115.12	
				33 41 13 00-1681 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	135.82	
				33 41 13 00-1682 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	186.92	
				33 41 13 00-1683 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	202.73	
				33 41 13 00-1684 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	259.73	
				33 41 13 00-1685 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	281.42	
				33 41 13 00-1686 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	299.99	
				33 41 13 00-1687 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	319.43	
				33 41 13 00-1688 EA 96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension.....	339.19	
33 41 13 00-1689				Corrugated Aluminum Pipe-Arch End Sections <small>(33 41 13 00-1662)</small>		
33 41 13 00-1690				Corrugated Aluminum Pipe-Arch End Sections <small>(33 41 13 00-1689)</small>		
			EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	344.93	56.53
			EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	420.06	60.29
			EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	456.27	65.95
			EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	492.43	71.60
			EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	732.82	81.03
			EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,293.70	93.82
			EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,372.25	93.82
			EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,831.75	109.46
			EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,810.87	125.09
			EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,220.26	156.37
			EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,893.36	187.65
			EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	6,517.25	281.46
			EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	6,852.36	375.28
			EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,460.12	402.65
			EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,787.96	430.01
			EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,488.99	469.10
			EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,994.75	508.20
33 41 13 00-1708				Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section <small>(33 41 13 00-1689)</small>		
			EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	44.23	
			EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	47.80	
			EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	50.51	
			EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	55.28	
			EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	64.17	
			EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	82.72	
			EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	89.89	
			EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	101.86	
			EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	115.12	
			EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	135.82	
			EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	170.98	
			EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	216.08	
			EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	293.10	
			EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	332.23	
			EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	348.45	
			EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	361.95	
			EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	378.25	
33 41 13 00-1726				Low Slope Corrugated Steel Pipe End Sections And Accessories <small>(33 41 13 00-1562)</small>		
33 41 13 00-1727				4:1 Corrugated Steel Pipe End Sections <small>(33 41 13 00-1726)</small>		
			EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	398.16	56.53
			EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	507.58	60.29
			EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	618.23	65.95
			EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	736.57	71.60
33 41 13 00-1732				3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections <small>(33 41 13 00-1726)</small>		
				Note: Includes nut and bolt set.		
			EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	278.81	
			EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	548.12	
			EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	601.46	
			EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	687.51	
33 41 13 00-1737				6:1 Corrugated Steel Pipe End Sections <small>(33 41 13 00-1726)</small>		
			EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	461.44	56.53

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1739 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	602.45	60.29
33 41 13 00-1740 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	799.15	65.95
33 41 13 00-1741 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	937.84	71.60
33 41 13 00-1742 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections <small>(33 41 13 00-1726)</small>		
Note: Includes nut and bolt set.		
33 41 13 00-1743 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	534.97	
33 41 13 00-1744 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	677.27	
33 41 13 00-1745 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	744.96	
33 41 13 00-1746 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	783.03	
33 41 13 00-1747 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 41 13 00-1726)</small>		
33 41 13 00-1748 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	48.91	
33 41 13 00-1749 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	54.60	
33 41 13 00-1750 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	59.40	
33 41 13 00-1751 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	66.21	
33 41 13 00-1752 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 41 13 00-1562)</small>		
33 41 13 00-1753 4:1 Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1752)</small>		
33 41 13 00-1754 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	523.01	60.29
33 41 13 00-1755 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	654.56	65.95
33 41 13 00-1756 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	773.65	71.60
33 41 13 00-1757 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,448.70	81.03
33 41 13 00-1758 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 41 13 00-1752)</small>		
Note: Includes nut and bolt set.		
33 41 13 00-1759 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	371.46	
33 41 13 00-1760 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	673.15	
33 41 13 00-1761 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	709.40	
33 41 13 00-1762 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,042.13	
33 41 13 00-1763 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 41 13 00-1752)</small>		
33 41 13 00-1764 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	54.32	
33 41 13 00-1765 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	61.56	
33 41 13 00-1766 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	67.11	
33 41 13 00-1767 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	80.21	
33 42 Culverts <small>(33 40)</small>		
33 42 16 Concrete Culverts <small>(33 42)</small>		
33 42 16 13 Precast Concrete Culverts <small>(33 42 16)</small>		
33 42 16 13-0001 Precast Reinforced Concrete Box Culvert <small>(33 42 16 13)</small>		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 16 13-0002 LF 4' x 2' Precast Reinforced Concrete Box Culvert	203.52	39.09
For Each LF Of Cut-Off Section, Add	8.14	
33 42 16 13-0003 LF 4' x 3' Precast Reinforced Concrete Box Culvert	220.66	39.09
For Each LF Of Cut-Off Section, Add	8.83	
33 42 16 13-0004 LF 5' x 3' Precast Reinforced Concrete Box Culvert	289.37	48.86
For Each LF Of Cut-Off Section, Add	11.57	
33 42 16 13-0005 LF 5' x 4' Precast Reinforced Concrete Box Culvert	310.04	48.86
For Each LF Of Cut-Off Section, Add	12.40	
33 42 16 13-0006 LF 5' x 5' Precast Reinforced Concrete Box Culvert	330.70	48.86
For Each LF Of Cut-Off Section, Add	13.23	
33 42 16 13-0007 LF 6' x 3' Precast Reinforced Concrete Box Culvert	349.62	50.81
For Each LF Of Cut-Off Section, Add	13.98	
33 42 16 13-0008 LF 6' x 4' Precast Reinforced Concrete Box Culvert	373.78	50.81
For Each LF Of Cut-Off Section, Add	14.95	
33 42 16 13-0009 LF 6' x 6' Precast Reinforced Concrete Box Culvert	421.92	50.81
For Each LF Of Cut-Off Section, Add	16.88	
33 42 16 13-0010 LF 7' x 4' Precast Reinforced Concrete Box Culvert	455.54	58.64
For Each LF Of Cut-Off Section, Add	18.22	
33 42 16 13-0011 LF 7' x 6' Precast Reinforced Concrete Box Culvert	552.46	79.74
For Each LF Of Cut-Off Section, Add	22.10	
33 42 16 13-0012 LF 8' x 2' Precast Reinforced Concrete Box Culvert	412.63	50.81
For Each LF Of Cut-Off Section, Add	16.51	
33 42 16 13-0013 LF 8' x 3' Precast Reinforced Concrete Box Culvert	451.16	58.64
For Each LF Of Cut-Off Section, Add	18.05	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Culverts	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	483.03 19.32	58.64
33 42 16 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	549.38 21.98	78.19
33 42 16 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	576.85 23.07	78.19
33 42 16 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	670.66 26.83	97.73
33 42 16 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	598.75 23.95	78.19
33 42 16 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	699.37 27.97	97.73
33 42 16 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	686.77 27.47	97.73
33 42 16 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	719.90 28.80	97.73
33 42 16 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	794.21 31.77	117.27
33 42 16 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	828.71 33.15	117.27
33 42 16 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	863.21 34.53	117.27
33 42 16 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	897.49 35.90	117.27
33 42 16 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	777.68 31.11	136.82
33 42 16 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	986.74 39.47	136.82
33 42 16 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,069.38 42.78	136.82
33 42 16 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,152.00 46.08	136.82
33 42 16 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,438.56 57.54	156.37
33 42 16 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,769.08 70.76	156.37
33 42 16 13-0032		Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 16 13)</small>		
		<small>Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".</small>		
33 42 16 13-0033	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	734.89 29.40	39.09
33 42 16 13-0034	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	824.45 32.98	39.09
33 42 16 13-0035	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	933.52 37.34	48.86
33 42 16 13-0036	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,023.07 40.92	48.86
33 42 16 13-0037	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,112.63 44.51	48.86
33 42 16 13-0038	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,026.98 41.08	50.81
33 42 16 13-0039	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,116.54 44.66	50.81
33 42 16 13-0040	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,295.64 51.83	50.81
33 42 16 13-0041	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,221.72 48.87	58.64
33 42 16 13-0042	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,443.04 57.72	79.74
33 42 16 13-0043	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,116.54 44.66	50.81
33 42 16 13-0044	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,221.72 48.87	58.64
33 42 16 13-0045	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,311.27 52.45	58.64
33 42 16 13-0046	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,439.91 57.60	78.19
33 42 16 13-0047	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,529.46 61.18	78.19
33 42 16 13-0048	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,747.66 69.91	97.73
33 42 16 13-0049	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,544.12 61.76	78.19
33 42 16 13-0050	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,774.61 70.98	97.73
33 42 16 13-0051	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,755.12 70.20	97.73
33 42 16 13-0052	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,861.46 74.46	97.73
33 42 16 13-0053	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,006.90 80.28	117.27

33	Utilities
33 40	Storm Drainage Utilities
33 42	Culverts



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 42 16 13-0054	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,113.23	117.27
		<i>For Each LF Of Cut-Off Section, Add</i>	84.53	
33 42 16 13-0055	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	2,219.59	117.27
		<i>For Each LF Of Cut-Off Section, Add</i>	88.78	
33 42 16 13-0056	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,325.92	117.27
		<i>For Each LF Of Cut-Off Section, Add</i>	93.04	
33 42 16 13-0057	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,328.82	136.82
		<i>For Each LF Of Cut-Off Section, Add</i>	93.15	
33 42 16 13-0058	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,449.69	136.82
		<i>For Each LF Of Cut-Off Section, Add</i>	97.99	
33 42 16 13-0059	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,691.48	136.82
		<i>For Each LF Of Cut-Off Section, Add</i>	107.66	
33 42 16 13-0060	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,933.27	136.82
		<i>For Each LF Of Cut-Off Section, Add</i>	117.33	
33 42 16 13-0061	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	3,509.67	156.37
		<i>For Each LF Of Cut-Off Section, Add</i>	140.39	
33 42 16 13-0062	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	4,423.07	156.37
		<i>For Each LF Of Cut-Off Section, Add</i>	176.92	

33 44 Storm Utility Water Drains (33 40)

33 44 13 Utility Area Drains (33 44)

33 44 13 13 Catchbasins (33 44 13)

33 44 13 13-0001 Storm Drains (33 44 13 13)

See CSI section 33 39 13 00-0001 for manhole structures.

33 44 13 13-0002 Catch Basins And Inlet Basins (33 44 13 13-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 44 13 13-0003 Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0002)

Note: Inside dimensions.

33 44 13 13-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,396.80	255.73
33 44 13 13-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,669.43	299.63
33 44 13 13-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,942.06	343.47
33 44 13 13-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,214.68	387.37
33 44 13 13-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,487.31	431.20

33 44 13 13-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,808.88	254.19
33 44 13 13-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,235.29	338.92
33 44 13 13-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,848.58	462.16
33 44 13 13-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,473.76	539.19
33 44 13 13-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,961.42	616.22

33 44 13 13-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,945.07	277.30
33 44 13 13-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,695.09	385.14
33 44 13 13-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,286.66	500.68
33 44 13 13-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,795.24	577.71
33 44 13 13-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,812.42	739.46

33 44 13 13-0022 Cast In Place, Catch Basin (33 44 13 13-0002)

Note: Inside span, overall depth.

33 44 13 13-0023 3' x 3', Cast In Place, Catch Basins (33 44 13 13-0022)

33 44 13 13-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,693.67	309.18
33 44 13 13-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,797.30	328.75
33 44 13 13-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,954.52	353.10
33 44 13 13-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,205.81	390.84
33 44 13 13-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,370.86	416.02
33 44 13 13-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,484.44	436.28
33 44 13 13-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,649.62	461.48
33 44 13 13-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,760.70	481.81
33 44 13 13-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,926.88	506.92
33 44 13 13-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,039.46	527.25
33 44 13 13-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,204.57	552.44
33 44 13 13-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	400.59	69.02

33 44 13 13-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 44 13 13-0022)

33 44 13 13-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	1,952.09	357.40
33 44 13 13-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,083.20	382.52
33 44 13 13-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,247.66	407.71
33 44 13 13-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,541.23	451.53
33 44 13 13-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,723.81	480.03
33 44 13 13-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,854.78	503.68



		Utilities 33	CS
		Storm Drainage Utilities 33 40	
		Storm Utility Water Drains 33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 44 13 13-0043	EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,039.72	532.18
33 44 13 13-0044	EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,170.69	555.83
33 44 13 13-0045	EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,354.20	584.33
33 44 13 13-0046	EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,485.60	607.98
33 44 13 13-0047	EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,669.18	636.48
33 44 13 13-0048	VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	458.67	79.57
33 44 13 13-0049	4' x 4', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0050	EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,228.59	408.86
33 44 13 13-0051	EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,366.92	434.82
33 44 13 13-0052	EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,557.87	465.56
33 44 13 13-0053	EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,894.17	515.55
33 44 13 13-0054	EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,096.58	547.36
33 44 13 13-0055	EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,246.30	574.39
33 44 13 13-0056	EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,448.71	606.21
33 44 13 13-0057	EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,598.00	633.24
33 44 13 13-0058	EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,800.41	665.05
33 44 13 13-0059	EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,950.13	692.09
33 44 13 13-0060	EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,152.54	723.98
33 44 13 13-0061	VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	519.04	90.51
33 44 13 13-0062	4'-6" x 4'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0063	EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,574.16	474.10
33 44 13 13-0064	EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,735.10	500.91
33 44 13 13-0065	EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,947.32	535.57
33 44 13 13-0066	EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,330.86	592.42
33 44 13 13-0067	EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,556.42	628.31
33 44 13 13-0068	EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,729.38	659.35
33 44 13 13-0069	EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,955.37	695.25
33 44 13 13-0070	EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,128.33	726.37
33 44 13 13-0071	EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,353.89	762.26
33 44 13 13-0072	EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,525.86	793.31
33 44 13 13-0073	EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,752.85	829.20
33 44 13 13-0074	VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	594.14	103.68
33 44 13 13-0075	5' x 5', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0076	EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,303.66	601.36
33 44 13 13-0077	EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,730.78	664.52
33 44 13 13-0078	EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,976.47	703.87
33 44 13 13-0079	EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,168.57	738.39
33 44 13 13-0080	EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,411.82	777.67
33 44 13 13-0081	EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,604.91	812.18
33 44 13 13-0082	EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,849.61	851.54
33 44 13 13-0083	EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,040.27	886.05
33 44 13 13-0084	EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,285.96	925.33
33 44 13 13-0085	VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	865.03	115.69
33 44 13 13-0086	5'-6" x 5'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0087	EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,677.04	670.60
33 44 13 13-0088	EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,278.34	759.12
33 44 13 13-0089	EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,550.88	802.86
33 44 13 13-0090	EA 5'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,769.81	842.07
33 44 13 13-0091	EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,043.78	886.12
33 44 13 13-0092	EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,263.70	925.33
33 44 13 13-0093	EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,536.24	969.39
33 44 13 13-0094	EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,755.17	1,008.60
33 44 13 13-0095	EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,027.71	1,052.65
33 44 13 13-0096	VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	753.46	131.56
33 44 13 13-0097	6' x 6', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0098	EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin.....	4,070.25	743.09
33 44 13 13-0099	EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,732.70	840.22
33 44 13 13-0100	EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,025.83	887.82
33 44 13 13-0101	EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,264.91	930.57
33 44 13 13-0102	EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,557.04	978.18
33 44 13 13-0103	EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,797.57	1,020.92
33 44 13 13-0104	EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,089.26	1,068.52
33 44 13 13-0105	EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,328.79	1,111.28
33 44 13 13-0106	EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,621.92	1,158.88
33 44 13 13-0107	VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	827.78	144.88
33 44 13 13-0108	6'-6" x 6'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0109	EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,480.85	819.03
33 44 13 13-0110	EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,370.08	948.91

33 Utilities
33 40 Storm Drainage Utilities
 33 44 Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,692.51	1,001.58
33 44 13 13-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,962.25	1,049.42
33 44 13 13-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,284.68	1,102.03
33 44 13 13-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,554.43	1,149.94
33 44 13 13-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,876.86	1,202.55
33 44 13 13-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,146.60	1,250.39
33 44 13 13-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,470.46	1,303.08
33 44 13 13-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	933.77	162.91
33 44 13 13-0119 7' x 7', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin.....	4,910.01	898.29
33 44 13 13-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,882.70	1,040.02
33 44 13 13-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,226.18	1,096.41
33 44 13 13-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,515.62	1,147.86
33 44 13 13-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,860.03	1,204.17
33 44 13 13-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,149.48	1,255.70
33 44 13 13-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,492.95	1,312.01
33 44 13 13-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,783.41	1,363.54
33 44 13 13-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,126.81	1,419.85
33 44 13 13-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,015.90	177.47
33 44 13 13-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,544.63	1,008.21
33 44 13 13-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,416.44	1,134.85
33 44 13 13-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,779.55	1,194.85
33 44 13 13-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,091.05	1,250.00
33 44 13 13-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,455.07	1,310.01
33 44 13 13-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,766.57	1,365.15
33 44 13 13-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,129.67	1,425.16
33 44 13 13-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,441.18	1,480.31
33 44 13 13-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,805.28	1,540.32
33 44 13 13-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,100.63	192.57
33 44 13 13-0141 8' x 8', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	6,028.53	1,096.94
33 44 13 13-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,969.73	1,233.37
33 44 13 13-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,353.54	1,296.99
33 44 13 13-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,686.09	1,355.83
33 44 13 13-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,069.81	1,419.46
33 44 13 13-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,400.36	1,478.31
33 44 13 13-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,786.08	1,541.93
33 44 13 13-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,118.63	1,600.79
33 44 13 13-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,495.51	1,664.41
33 44 13 13-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,187.79	208.05
33 44 13 13-0152 Precast Concrete Catch Basins (33 44 13 13-0002) Note: Inside dimensions.		
33 44 13 13-0153 1'-6" Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	536.63	159.18
33 44 13 13-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	742.99	238.77
33 44 13 13-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	938.60	310.40
33 44 13 13-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,125.69	366.91
33 44 13 13-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,383.28	465.60
33 44 13 13-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,581.43	537.23
33 44 13 13-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	109.86	35.81
33 44 13 13-0161 2' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	612.38	177.08
33 44 13 13-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	843.13	262.64
33 44 13 13-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	1,061.03	346.21
33 44 13 13-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,268.69	403.91
33 44 13 13-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,567.97	517.33
33 44 13 13-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	1,790.35	596.92
33 44 13 13-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	124.40	42.97
33 44 13 13-0169 3' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	814.11	208.92
33 44 13 13-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,105.63	308.81
33 44 13 13-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,384.32	407.90
33 44 13 13-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	1,724.11	509.37
33 44 13 13-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	2,034.86	607.26
33 44 13 13-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	2,334.00	706.75
33 44 13 13-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	160.13	50.48



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33 44 13 13-0177			4' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0178	EA		4' Deep, 4' Diameter Precast Catch Basin.....	989.54	232.40
33 44 13 13-0179	EA		6' Deep, 4' Diameter Precast Catch Basin.....	1,283.24	318.36
33 44 13 13-0180	EA		8' Deep, 4' Diameter Precast Catch Basin.....	1,706.54	477.54
33 44 13 13-0181	EA		10' Deep, 4' Diameter Precast Catch Basin.....	2,129.42	596.92
33 44 13 13-0182	EA		12' Deep, 4' Diameter Precast Catch Basin.....	2,514.81	716.30
33 44 13 13-0183	EA		14' Deep, 4' Diameter Precast Catch Basin.....	2,886.93	835.68
33 44 13 13-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	197.57	59.69
33 44 13 13-0185			5' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0186	EA		4' Deep, 5' Diameter Precast Catch Basin.....	1,330.91	318.36
33 44 13 13-0187	EA		6' Deep, 5' Diameter Precast Catch Basin.....	1,812.46	477.54
33 44 13 13-0188	EA		8' Deep, 5' Diameter Precast Catch Basin.....	2,296.37	636.71
33 44 13 13-0189	EA		10' Deep, 5' Diameter Precast Catch Basin.....	2,805.02	795.89
33 44 13 13-0190	EA		12' Deep, 5' Diameter Precast Catch Basin.....	3,305.44	955.07
33 44 13 13-0191	EA		14' Deep, 5' Diameter Precast Catch Basin.....	3,845.19	1,114.25
33 44 13 13-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	262.83	79.59
33 44 13 13-0193			6' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0194	EA		4' Deep, 6' Diameter Precast Catch Basin.....	1,944.87	477.54
33 44 13 13-0195	EA		6' Deep, 6' Diameter Precast Catch Basin.....	2,620.73	716.30
33 44 13 13-0196	EA		8' Deep, 6' Diameter Precast Catch Basin.....	3,346.01	955.07
33 44 13 13-0197	EA		10' Deep, 6' Diameter Precast Catch Basin.....	4,169.26	1,193.84
33 44 13 13-0198	EA		12' Deep, 6' Diameter Precast Catch Basin.....	4,966.04	1,432.60
33 44 13 13-0199	EA		14' Deep, 6' Diameter Precast Catch Basin.....	5,742.56	1,671.37
33 44 13 13-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	391.61	119.38
33 44 13 13-0201			Precast Catch Basins Accessories (33 44 13 13-0152)		
33 44 13 13-0202	EA		Single Or Double Wing Slab Top With Throat.....	1,119.78	517.33
33 44 13 13-0203	EA		4' x 4' Weir Box, Precast Catch Basin.....	554.92	63.67
33 44 13 13-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	304.41	67.65
33 44 13 13-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring.....	376.40	99.49
			<i>For Each Additional Inch In Height, Add</i>	46.14	
33 44 13 13-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring.....	443.52	119.38
			<i>For Each Additional Inch In Height, Add</i>	54.01	
33 44 13 13-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring.....	517.37	139.28
			<i>For Each Additional Inch In Height, Add</i>	63.04	
33 44 13 13-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring.....	641.94	198.97
			<i>For Each Additional Inch In Height, Add</i>	73.86	
33 44 13 13-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade.....	477.50	
33 44 13 13-0210			Catch Basin Risers (33 44 13 13-0152)		
33 44 13 13-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	286.37	
33 44 13 13-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	319.26	
33 44 13 13-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	358.34	
33 44 13 13-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	308.23	
33 44 13 13-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	343.33	
33 44 13 13-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	386.64	
33 44 13 13-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	340.76	
33 44 13 13-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	371.94	
33 44 13 13-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	415.42	
33 44 13 13-0220			Headwalls (33 44 13 13-0001)		
			Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 44 13 13-0221			Cast In Place Concrete Headwalls (33 44 13 13-0220)		
33 44 13 13-0222			Skewed Wingwall, Cast In Place Concrete Headwall (33 44 13 13-0220)		
			Note: Sized by pipe diameter.		
33 44 13 13-0223	EA		12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,057.80	519.93
33 44 13 13-0224	EA		15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,336.10	554.60
33 44 13 13-0225	EA		18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,738.33	726.45
33 44 13 13-0226	EA		24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,689.17	1,039.87
33 44 13 13-0227	EA		30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,724.41	1,386.50
33 44 13 13-0228	EA		36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	4,664.27	1,827.56
33 44 13 13-0229	EA		42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	6,485.70	2,520.88
33 44 13 13-0230	EA		48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	7,705.35	2,971.03
33 44 13 13-0231	EA		54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	9,277.53	3,616.98
33 44 13 13-0232	EA		60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	11,154.08	4,378.40
33 44 13 13-0233			Precast Concrete Headwalls (33 44 13 13-0220)		
33 44 13 13-0234	EA		12" Pipe, Precast Concrete Headwall.....	531.37	135.67
33 44 13 13-0235	EA		15" Pipe, Precast Concrete Headwall.....	553.97	143.20

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33 44 13 13-0236 EA 18" Pipe, Precast Concrete Headwall	611.52	162.79
33 44 13 13-0237 EA 24" Pipe, Precast Concrete Headwall	672.90	173.35
33 44 13 13-0238 EA 30" Pipe, Precast Concrete Headwall	877.95	203.50
33 44 13 13-0239 EA 36" Pipe, Precast Concrete Headwall	993.03	211.03
33 44 13 13-0240 EA 42" Pipe, Precast Concrete Headwall	1,269.76	241.27
33 44 13 13-0241 EA 48" Pipe, Precast Concrete Headwall	1,396.12	265.83
33 44 13 13-0242 EA 54" Pipe, Precast Concrete Headwall	1,535.99	281.46
33 44 13 13-0243 EA 60" Pipe, Precast Concrete Headwall	1,734.08	281.46
33 44 13 13-0244 EA 72" Pipe, Precast Concrete Headwall	2,067.70	351.83
33 44 13 13-0245 EA 84" Pipe, Precast Concrete Headwall	2,882.64	422.19
33 44 13 13-0246 Precast Concrete Wingwalls <small>(33 44 13 13-0220)</small>		
33 44 13 13-0247 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	3,352.29	1,393.25
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0248 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	3,586.83	1,548.05
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0249 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	3,977.76	1,806.06
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0250 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	4,368.68	2,064.07
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 44 13 13-0251 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall	4,368.68	2,064.07
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0252 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall	4,525.04	2,167.27
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0253 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall	7,060.04	2,218.87
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0254 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall	7,294.59	2,373.67
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 44 13 13-0255 Precast Concrete Transverse Drainage Interceptor <small>(33 44 13 13-0220)</small>		
33 44 13 13-0256 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	2,802.63	547.29
33 44 13 13-0257 Catch Basin Frames And Covers <small>(33 44 13 13-0001)</small>		
33 44 13 13-0258 Cast Iron Frames And Covers <small>(33 44 13 13-0257)</small>		
33 44 13 13-0259 EA 18" Diameter Cast Iron Catch Basin Frame And Cover	399.49	79.59
33 44 13 13-0260 EA 22" Diameter Cast Iron Catch Basin Frame And Cover	496.70	89.93
33 44 13 13-0261 EA 24" Diameter Cast Iron Catch Basin Frame And Cover	554.91	93.12
33 44 13 13-0262 EA 26" Diameter Cast Iron Catch Basin Frame And Cover	622.44	108.25
33 44 13 13-0263 EA 28" Diameter Cast Iron Catch Basin Frame And Cover	720.16	123.36
33 44 13 13-0264 EA 32" Diameter Cast Iron Catch Basin Frame And Cover	1,113.52	128.93
33 44 13 13-0265 EA 16" x 16" Cast Iron Catch Basin Frame And Cover	616.90	97.90
33 44 13 13-0266 EA 18" x 24" Cast Iron Catch Basin Frame And Cover	793.34	113.01
33 44 13 13-0267 EA 20" x 27" Cast Iron Catch Basin Frame And Cover	889.96	117.79
33 44 13 13-0268 EA 23" x 23" Cast Iron Catch Basin Frame And Cover	845.62	117.79
33 44 13 13-0269 EA 24" x 24" Cast Iron Catch Basin Frame And Cover	874.68	122.57
33 44 13 13-0270 EA 26" x 26" Cast Iron Catch Basin Frame And Cover	936.28	127.34
33 44 13 13-0271 EA 24" x 36" Cast Iron Catch Basin Frame And Cover	1,113.94	136.89
33 44 13 13-0272 Curb Inlet Frames And Covers <small>(33 44 13 13-0001)</small>		
33 44 13 13-0273 Cast Iron Curb Inlet Frames And Covers <small>(33 44 13 13-0272)</small>		
33 44 13 13-0274 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	758.34	93.12
33 44 13 13-0275 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	812.53	108.25
33 44 13 13-0276 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	841.58	108.25
33 44 13 13-0277 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	922.01	127.34
33 44 13 13-0278 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	916.66	136.09
33 44 13 13-0279 Area Yard Drain <small>(33 44 13 13-0001)</small>		
See CSI section 22 14 26 16-0001 for drains.		
33 44 13 13-0280 Ductile Iron Grates <small>(33 44 13 13-0279)</small>		
Note: Not for traffic loading.		
33 44 13 13-0281 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	104.99	31.70
33 44 13 13-0282 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	124.52	33.81
33 44 13 13-0283 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	259.56	42.27
33 44 13 13-0284 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	310.32	50.71
33 44 13 13-0285 CALTRAN Concrete Drainage Inlet Structures <small>(33 44 13 13-0001)</small>		
33 44 13 13-0286 Type OS Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13 13-0287 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,161.33	
33 44 13 13-0288 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,512.51	
33 44 13 13-0289 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,839.16	
33 44 13 13-0290 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,141.29	
33 44 13 13-0291 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,418.87	



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33 44 13 13-0292 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,671.94	
33 44 13 13-0293 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,996.46	
33 44 13 13-0294 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,826.83	
33 44 13 13-0295 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,594.17	
33 44 13 13-0296 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,300.10	
33 44 13 13-0297 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,982.17	
33 44 13 13-0298 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,610.81	
33 44 13 13-0299 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,186.01	
33 44 13 13-0300 Type OL-7 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0301 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,943.10	
33 44 13 13-0302 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,271.85	
33 44 13 13-0303 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,576.07	
33 44 13 13-0304 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,855.76	
33 44 13 13-0305 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,110.12	
33 44 13 13-0306 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,340.76	
33 44 13 13-0307 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,625.93	
33 44 13 13-0308 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,437.12	
33 44 13 13-0309 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,185.27	
33 44 13 13-0310 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,871.20	
33 44 13 13-0311 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,536.81	
33 44 13 13-0312 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,148.99	
33 44 13 13-0313 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,707.72	
33 44 13 13-0314 Type OL-10 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0315 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,663.54	
33 44 13 13-0316 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,971.79	
33 44 13 13-0317 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,254.71	
33 44 13 13-0318 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,513.91	
33 44 13 13-0319 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,747.78	
33 44 13 13-0320 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,957.11	
33 44 13 13-0321 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,255.41	
33 44 13 13-0322 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,046.60	
33 44 13 13-0323 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,776.36	
33 44 13 13-0324 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,443.10	
33 44 13 13-0325 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,091.46	
33 44 13 13-0326 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,687.16	
33 44 13 13-0327 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,228.63	
33 44 13 13-0328 Type OL-14 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0329 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,690.56	
33 44 13 13-0330 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,968.65	
33 44 13 13-0331 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,222.23	
33 44 13 13-0332 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,451.26	
33 44 13 13-0333 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,655.78	
33 44 13 13-0334 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,835.76	
33 44 13 13-0335 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,147.16	
33 44 13 13-0336 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,911.11	
33 44 13 13-0337 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,612.82	
33 44 13 13-0338 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,252.30	
33 44 13 13-0339 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,878.06	
33 44 13 13-0340 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,449.58	
33 44 13 13-0341 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,967.66	
33 44 13 13-0342 Type OL-21 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0343 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,775.23	
33 44 13 13-0344 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,993.27	
33 44 13 13-0345 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,186.76	
33 44 13 13-0346 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,355.73	
33 44 13 13-0347 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,499.37	
33 44 13 13-0348 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,619.27	
33 44 13 13-0349 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,891.34	
33 44 13 13-0350 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,601.62	
33 44 13 13-0351 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,249.68	
33 44 13 13-0352 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,835.52	
33 44 13 13-0353 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,415.16	
33 44 13 13-0354 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,940.58	
33 44 13 13-0355 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,412.54	
33 44 13 13-0356 Type GOL-7 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0357 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,571.56	
33 44 13 13-0358 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,934.57	
33 44 13 13-0359 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,269.48	
33 44 13 13-0360 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,576.27	
33 44 13 13-0361 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,855.76	

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	33 44 13 13-0362	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,107.92	
	33 44 13 13-0363	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,504.58	
	33 44 13 13-0364	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,408.12	
	33 44 13 13-0365	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,241.71	
	33 44 13 13-0366	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,004.56	
	33 44 13 13-0367	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,746.11	
	33 44 13 13-0368	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,427.55	
	33 44 13 13-0369	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,048.11	
	33 44 13 13-0370		Type GOL-10 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0371	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,353.33	
	33 44 13 13-0372	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,693.11	
	33 44 13 13-0373	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,005.58	
	33 44 13 13-0374	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,290.75	
	33 44 13 13-0375	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,547.79	
	33 44 13 13-0376	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,776.75	
	33 44 13 13-0377	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,173.39	
	33 44 13 13-0378	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,056.10	
	33 44 13 13-0379	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,868.86	
	33 44 13 13-0380	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,611.66	
	33 44 13 13-0381	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,335.27	
	33 44 13 13-0382	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,998.77	
	33 44 13 13-0383	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,602.17	
	33 44 13 13-0384		Type G-1 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0385	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,456.22	
	33 44 13 13-0386	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,741.94	
	33 44 13 13-0387	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,007.22	
	33 44 13 13-0388	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,253.67	
	33 44 13 13-0389	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,481.24	
	33 44 13 13-0390	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,688.38	
	33 44 13 13-0391		Type G-2 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0392	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,008.05	
	33 44 13 13-0393	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,329.45	
	33 44 13 13-0394	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,628.43	
	33 44 13 13-0395	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,904.98	
	33 44 13 13-0396	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,159.10	
	33 44 13 13-0397	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,389.98	
	33 44 13 13-0398	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,589.93	
	33 44 13 13-0399	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,356.08	
	33 44 13 13-0400	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,065.02	
	33 44 13 13-0401	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,716.72	
	33 44 13 13-0402	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,346.46	
	33 44 13 13-0403	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,927.07	
	33 44 13 13-0404	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,457.77	
	33 44 13 13-0405		Type G-3 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0406	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,578.84	
	33 44 13 13-0407	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,860.72	
	33 44 13 13-0408	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,122.93	
	33 44 13 13-0409	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,366.29	
	33 44 13 13-0410	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,589.22	
	33 44 13 13-0411	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,793.30	
	33 44 13 13-0412		Type G-4_24 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0413	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,946.73	
	33 44 13 13-0414	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,270.07	
	33 44 13 13-0415	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,570.98	
	33 44 13 13-0416	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,848.65	
	33 44 13 13-0417	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,104.71	
	33 44 13 13-0418	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,337.53	
	33 44 13 13-0419	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,563.69	
	33 44 13 13-0420	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,331.22	
	33 44 13 13-0421	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,040.72	
	33 44 13 13-0422	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,692.99	
	33 44 13 13-0423	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,323.19	
	33 44 13 13-0424	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,904.25	
	33 44 13 13-0425	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,436.20	
	33 44 13 13-0426		Type G-4_18 Concrete Drainage Inlet Structure (33 44 13 13-0285)		
	33 44 13 13-0427	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,008.05	
	33 44 13 13-0428	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,329.45	
	33 44 13 13-0429	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,628.43	



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		Storm Drainage Utilities	33 40
		Storm Utility Water Drains	33 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13	13-0430	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,904.98	
33 44 13	13-0431	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,159.10	
33 44 13	13-0432	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,389.98	
33 44 13	13-0433	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,589.93	
33 44 13	13-0434	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,356.08	
33 44 13	13-0435	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,065.02	
33 44 13	13-0436	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,716.72	
33 44 13	13-0437	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,346.46	
33 44 13	13-0438	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,927.07	
33 44 13	13-0439	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,457.77	
33 44 13	13-0440		Type G-5 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0441	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,563.52	
33 44 13	13-0442	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,845.66	
33 44 13	13-0443	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,108.97	
33 44 13	13-0444	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,351.83	
33 44 13	13-0445	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,575.82	
33 44 13	13-0446	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,780.19	
33 44 13	13-0447		Type G-6 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0448	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,594.17	
33 44 13	13-0449	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,875.75	
33 44 13	13-0450	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,137.69	
33 44 13	13-0451	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,379.98	
33 44 13	13-0452	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,602.62	
33 44 13	13-0453	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,806.42	
33 44 13	13-0454		Type GT1 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0455	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,667.18	
33 44 13	13-0456	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,107.95	
33 44 13	13-0457	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,549.25	
33 44 13	13-0458	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,897.60	
33 44 13	13-0459	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,245.69	
33 44 13	13-0460	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,563.69	
33 44 13	13-0461		Type GT2 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0462	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,234.34	
33 44 13	13-0463	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,714.29	
33 44 13	13-0464	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,159.69	
33 44 13	13-0465	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,571.28	
33 44 13	13-0466	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,948.29	
33 44 13	13-0467	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,291.53	
33 44 13	13-0468	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,081.60	
33 44 13	13-0469	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,211.19	
33 44 13	13-0470	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,255.17	
33 44 13	13-0471	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,214.33	
33 44 13	13-0472	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,142.58	
33 44 13	13-0473	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,997.23	
33 44 13	13-0474	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,778.30	
33 44 13	13-0475		Type GT3 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0476	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,651.85	
33 44 13	13-0477	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,092.89	
33 44 13	13-0478	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,503.85	
33 44 13	13-0479	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,883.92	
33 44 13	13-0480	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,232.29	
33 44 13	13-0481	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,550.57	
33 44 13	13-0482		Type GT4 Concrete Drainage Inlet Structure <small>(33 44 13 13-0285)</small>		
33 44 13	13-0483	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,341.63	
33 44 13	13-0484	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,818.02	
33 44 13	13-0485	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,260.62	
33 44 13	13-0486	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,668.64	
33 44 13	13-0487	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,042.87	
33 44 13	13-0488	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,383.32	
33 44 13	13-0489	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,094.71	
33 44 13	13-0490	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,224.03	
33 44 13	13-0491	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,267.72	
33 44 13	13-0492	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,225.80	
33 44 13	13-0493	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,153.81	
33 44 13	13-0494	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,008.25	
33 44 13	13-0495	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,789.09	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 44 13 13-0496	Type GO Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0497	EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	1,900.75	
33 44 13 13-0498	EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,210.68	
33 44 13 13-0499	EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,498.76	
33 44 13 13-0500	EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,764.97	
33 44 13 13-0501	EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,009.33	
33 44 13 13-0502	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,232.61	
33 44 13 13-0503	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,445.67	
33 44 13 13-0504	EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,188.95	
33 44 13 13-0505	EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,875.46	
33 44 13 13-0506	EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,506.78	
33 44 13 13-0507	EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,117.87	
33 44 13 13-0508	EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,680.02	
33 44 13 13-0509	EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,194.84	
33 44 13 13-0510	Type GDO Concrete Drainage Inlet Structure (33 44 13 13-0285)		
33 44 13 13-0511	EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,483.23	
33 44 13 13-0512	EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,890.67	
33 44 13 13-0513	EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,269.49	
33 44 13 13-0514	EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,620.49	
33 44 13 13-0515	EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,942.09	
33 44 13 13-0516	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,235.84	
33 44 13 13-0517	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,717.74	
33 44 13 13-0518	EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,675.77	
33 44 13 13-0519	EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,561.71	
33 44 13 13-0520	EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,376.35	
33 44 13 13-0521	EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,163.85	
33 44 13 13-0522	EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,889.38	
33 44 13 13-0523	EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,552.92	
33 44 16	Utility Trench Drains (33 44)		
33 44 16 00-0001	Modular Trench Drains (33 44 16)		
33 44 16 00-0002	Modular Trench Drains (33 44 16 00-0001) Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.		
33 44 16 00-0003	6" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0004	6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0005	6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0006	LF 6" Wide, High Density Polyethylene, Modular Trench Drain.....	76.66	12.73
	<i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	29.64	
	<i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	59.29	
	<i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i>	94.86	
	<i>For Type 304 Stainless Steel Top Veneer Frame, Add</i>	23.72	
	<i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	11.86	
33 44 16 00-0007	Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0008	EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	37.26	
33 44 16 00-0009	EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	45.22	
33 44 16 00-0010	EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	45.22	
33 44 16 00-0011	Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0012	EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	60.56	
33 44 16 00-0013	EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	60.56	
33 44 16 00-0014	EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	276.96	
33 44 16 00-0015	EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	514.12	
33 44 16 00-0016	EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	59.29	
33 44 16 00-0017	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0018	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0019	LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	104.52	12.73
	<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
	<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
	<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0020	Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0021	EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	39.64	



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Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.60	
33 44 16 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.60	
33 44 16 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.56	
33 44 16 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.56	
33 44 16 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	276.96	
33 44 16 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	514.12	
33 44 16 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 44 16 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain	130.61	12.73
<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	58.61	
33 44 16 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.57	
33 44 16 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	66.57	
33 44 16 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.56	
33 44 16 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.56	
33 44 16 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	276.96	
33 44 16 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	514.12	
33 44 16 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 44 16 00-0043 12" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0044 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0043)		
33 44 16 00-0045 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0046 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	135.81	17.51
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0047 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0048 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	69.85	
33 44 16 00-0049 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.45	
33 44 16 00-0050 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.45	
33 44 16 00-0051 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0052 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	105.27	
33 44 16 00-0053 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	134.91	
33 44 16 00-0054 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	535.54	
33 44 16 00-0055 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,009.86	
33 44 16 00-0056 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 44 16 00-0057 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0043)		
33 44 16 00-0058 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0057)		
33 44 16 00-0059 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	165.46	17.51
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0060 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0057)		
33 44 16 00-0061 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	72.22	
33 44 16 00-0062 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.82	
33 44 16 00-0063 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.82	

33	33 Utilities
	33 40 Storm Drainage Utilities
	33 44 Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0064 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0065 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.27	
33 44 16 00-0066 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.91	
33 44 16 00-0067 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	535.54	
33 44 16 00-0068 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,009.86	
33 44 16 00-0069 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 44 16 00-0070 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	224.75	17.51
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 44 16 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	161.15	
33 44 16 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.75	
33 44 16 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.75	
33 44 16 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	105.27	
33 44 16 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	134.91	
33 44 16 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	535.54	
33 44 16 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,009.86	
33 44 16 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 44 16 00-0083 23" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0083)</small>		
33 44 16 00-0085 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	188.99	23.88
For Acid Resistant Coated Frame, Add	46.25	
For Galvanized Frame Assembly, Add	46.25	
For Type 304 Stainless Steel Top Frame, Add	284.59	
33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	199.06	
33 44 16 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	307.90	
33 44 16 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	307.90	
33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	231.40	
33 44 16 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,048.11	
33 44 16 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,996.75	
33 44 16 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 44 16 00-0096 Modular Trench Drain Grates <small>(33 44 16 00-0001)</small>		
33 44 16 00-0097 6" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0098 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.90	2.38
33 44 16 00-0099 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.95	2.38
33 44 16 00-0100 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.44	2.38
33 44 16 00-0101 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.85	2.38
33 44 16 00-0102 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	51.41	2.38
33 44 16 00-0103 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	52.00	2.38
33 44 16 00-0104 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	52.00	2.38
33 44 16 00-0105 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.41	2.38
33 44 16 00-0106 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	45.48	2.38
33 44 16 00-0107 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.48	2.38
33 44 16 00-0108 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.21	2.38
33 44 16 00-0109 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	48.21	2.38
33 44 16 00-0110 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.08	2.38
33 44 16 00-0111 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	62.08	2.38
33 44 16 00-0112 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.89	2.38
33 44 16 00-0113 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.89	2.38
33 44 16 00-0114 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.54	2.38



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0115 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	43.11	2.38
33 44 16 00-0116 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	90.54	2.38
33 44 16 00-0117 12" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0118 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.46	2.58
33 44 16 00-0119 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.35	2.58
33 44 16 00-0120 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.19	2.58
33 44 16 00-0121 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	144.01	2.58
33 44 16 00-0122 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.74	2.58
33 44 16 00-0123 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	241.84	2.58
33 44 16 00-0124 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	241.84	2.58
33 44 16 00-0125 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.94	2.58
33 44 16 00-0126 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	307.94	2.58
33 44 16 00-0127 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.43	2.58
33 44 16 00-0128 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.43	2.58
33 44 16 00-0129 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.57	2.58
33 44 16 00-0130 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	177.21	2.58
33 44 16 00-0131 23" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0132 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.54	2.78
33 44 16 00-0133 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.22	2.78
33 44 16 00-0134 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	336.80	2.78
33 44 16 00-0135 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.24	2.78
33 44 19 Utility Oil and Gas Separators (33 44)		
33 44 19 19 Utility Oil and Gas Separators (33 44 19)		
33 44 19 19-0001 Oil/Water Separator (33 44 19 19)		
Note: Complete with internal sensors and detectors.		
33 44 19 19-0002 Coalescing Oil Water Separator (33 44 19 19-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 19 19-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	11,342.81	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	13,417.74	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	15,651.53	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	16,477.28	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	18,637.51	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	22,315.59	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	25,645.55	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
For Interior Polyurethane Coating, Add	1,550.70	
33 44 19 19-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	33,219.30	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
For Interior Polyurethane Coating, Add	2,057.80	
33 44 19 19-0013 Accessories For Coalescing Oil Water Separators (33 44 19 19-0002)		
33 44 19 19-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator	666.80	
Note: HTAP1.		
33 44 19 19-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator.....	898.25	
Note: HTAP2.		
33 44 19 19-0016 EA Float Interface Sensor For Coalescing Oil Water Separator.....	514.72	
Note: Required for UL 2215 label.		
33 44 19 19-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	390.39	
Note: Required for UL 2215 label.		
33 44 19 19-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	157.27	
Note: Required for UL 2215 label.		
33 44 19 19-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,116.25	
33 44 19 19-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,232.48	
33 44 19 19-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,348.79	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	411.59	
33 44 19 19-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	477.90	
33 44 19 19-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	955.81	
33 44 19 19-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,055.37	
33 44 19 19-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator	567.00	
Note: Required when installed in paved areas.		
33 44 19 19-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator	730.88	
Note: Required when installed in paved areas.		
33 44 19 19-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator	998.34	
Note: Required when installed in paved areas.		
33 44 19 19-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator	1,773.33	
Note: Required when installed in paved areas.		
33 44 19 19-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,264.43	
Note: Required when installed in paved areas.		
33 44 19 19-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator	2,828.06	
Note: Required when installed in paved areas.		
33 44 19 19-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,551.25	
Note: Required when installed in paved areas.		
33 44 19 19-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	691.07	
33 44 19 19-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	842.33	
33 44 19 19-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,323.07	
33 44 19 19-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	658.95	
33 44 19 19-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	799.85	
33 44 19 19-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	949.05	
33 44 19 19-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	55.95	
33 44 19 19-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	63.20	
33 44 19 19-0041 Oil Skimmers <small>(33 44 19 19)</small>		
33 44 19 19-0042 Oil Skimmers, 12" And 24" Models <small>(33 44 19 19-0041)</small>		
33 44 19 19-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,869.81	597.78
33 44 19 19-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,094.89	597.78
33 44 19 19-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,890.65	597.78
33 44 19 19-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,179.29	597.78
33 44 19 19-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,127.19	597.78
33 44 19 19-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,317.88	597.78
33 44 19 19-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,176.17	597.78
33 44 19 19-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,463.77	597.78
33 44 19 19-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,510.34	797.21
33 44 19 19-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,751.05	797.21
33 44 19 19-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,573.90	797.21
33 44 19 19-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,919.86	797.21
33 44 19 19-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,118.89	797.21
33 44 19 19-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,359.60	797.21
33 44 19 19-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,169.95	797.21
33 44 19 19-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,516.95	797.21
33 44 19 19-0059 Oil Skimmers, Add-Ons <small>(33 44 19 19-0041)</small>		
33 44 19 19-0060 LF Add For Belt Projection, 12" Width	15.63	
33 44 19 19-0061 LF Add For Belt Projection, 24" Width	29.18	
33 44 19 19-0062 LF Add For Spacer Stands, 12" Models	253.83	
33 44 19 19-0063 LF Add For Spacer Stands, 24" Models	299.68	
33 46 Subdrainage <small>(33 40)</small>		
33 46 16 Subdrainage Piping <small>(33 46)</small>		
See CSI section 33 41 13 00-0256 for polyethylene drain pipe.		
33 46 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 46 16)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 46 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.58	3.30
33 46 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.99	3.56
33 46 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.73	4.27
33 46 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.94	5.35
33 46 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	15.27	6.10
33 46 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.41	7.13
33 46 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	32.40	8.55
33 46 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 46 16)</small>		
33 46 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe	19.00	4.52
For Extra Strength, Add		
For >1,000, Deduct	1.11	
	-0.95	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Subdrainage	33 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe..... <i>For Extra Strength, Add</i> <i>For >1,000, Deduct</i>	22.08 1.37 -1.10	5.27
33 46 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe..... <i>For Extra Strength, Add</i> <i>For >1,000, Deduct</i>	25.02 1.60 -1.25	6.03
33 46 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe..... <i>For Extra Strength, Add</i> <i>For >1,000, Deduct</i>	29.74 2.00 -1.49	7.54
33 46 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small> <i>Note: Bell and spigot or tongue and groove. With seals and gaskets.</i>		
33 46 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	19.60 -0.98	9.49
33 46 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	21.69 -1.08	10.55
33 46 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	23.93 -1.20	11.61
33 46 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	27.13 -1.36	12.05
33 46 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	31.33 -1.57	13.57
33 46 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	38.81 -1.94	17.34
33 46 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	48.54 -2.43	22.24
33 46 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	59.16 -2.96	27.14
33 46 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small>		
33 46 16 00-0024 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	14.41 -0.72	4.52
33 46 16 00-0025 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	18.28 -0.91	5.27
33 46 16 00-0026 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	23.33 -1.17	6.03
33 46 16 00-0027 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	34.13 -1.71	12.05
33 46 16 00-0028 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	38.95 -1.95	13.57
33 46 16 00-0029 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	50.25 -2.51	17.34
33 46 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 46 16)</small>		
33 46 16 00-0031 LF 4" Perforated Vitrified Clay Drainage Pipe.....	12.61	6.03
33 46 16 00-0032 LF 6" Perforated Vitrified Clay Drainage Pipe.....	16.55	6.03
33 46 16 00-0033 LF 8" Perforated Vitrified Clay Drainage Pipe.....	19.27	6.03
33 46 16 00-0034 LF 10" Perforated Vitrified Clay Drainage Pipe.....	23.78	6.03
33 46 16 00-0035 LF 12" Perforated Vitrified Clay Drainage Pipe.....	28.63	6.03
33 46 16 00-0036 Geotextile Filter Fabric Sock <small>(33 46 16)</small>		
33 46 16 00-0037 LF 3" Geotextile Filter Fabric Sock.....	0.54	
33 46 16 00-0038 LF 4" Geotextile Filter Fabric Sock.....	0.72	
33 46 16 00-0039 LF 6" Geotextile Filter Fabric Sock.....	1.09	
33 46 16 00-0040 LF 8" Geotextile Filter Fabric Sock.....	1.47	
33 46 16 00-0041 LF 10" Geotextile Filter Fabric Sock.....	2.11	
33 46 16 00-0042 LF 12" Geotextile Filter Fabric Sock.....	2.83	
33 46 16 00-0043 LF 15" Geotextile Filter Fabric Sock.....	3.30	
33 46 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 46 16)</small> <i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 46 16 00-0045 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	15.48 0.64	4.52
33 46 16 00-0046 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	19.43 0.85	5.48
33 46 16 00-0047 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	24.54 1.06	6.95
33 46 16 00-0048 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	27.56 1.11	8.22
33 46 16 00-0049 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	30.99 1.40	8.51
33 46 16 00-0050 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	34.49 1.69	8.83
33 46 16 00-0051 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	38.53 2.01	9.23

33	33 Utilities
	33 40 Storm Drainage Utilities
	33 46 Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 46 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 46 16)
 Note: Perforations are located in the bottom quarter points of the pipe.

33 46 16 00-0053 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	16.51	4.52
For Full Perforated, Add	0.75	
33 46 16 00-0054 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	20.83	5.48
For Full Perforated, Add	0.99	
33 46 16 00-0055 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	26.25	6.95
For Full Perforated, Add	1.23	
33 46 16 00-0056 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	29.22	8.22
For Full Perforated, Add	1.28	
33 46 16 00-0057 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	33.04	8.51
For Full Perforated, Add	1.60	
33 46 16 00-0058 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	36.93	8.83
For Full Perforated, Add	1.93	
33 46 16 00-0059 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	41.37	9.23
For Full Perforated, Add	2.29	

33 46 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe (33 46 16)
 Note: Perforations are located in the bottom quarter points of the pipe.

33 46 16 00-0061 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	16.84	4.52
For Full Perforated, Add	0.78	
33 46 16 00-0062 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	21.26	5.48
For Full Perforated, Add	1.03	
33 46 16 00-0063 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	26.79	6.95
For Full Perforated, Add	1.29	
33 46 16 00-0064 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	33.32	8.22
For Full Perforated, Add	1.69	
33 46 16 00-0065 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	38.15	8.51
For Full Perforated, Add	2.11	
33 46 16 00-0066 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	43.12	8.83
For Full Perforated, Add	2.55	
33 46 16 00-0067 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	48.59	9.23
For Full Perforated, Add	3.01	

33 46 23 Underslab Drainage (33 46)

33 46 23 00-0001 Capillary Water Barrier Underslab Drainage (33 46 23)
 Note: Consists of a layer of fine granular material overlying a coarse layer.

33 46 23 00-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	57.43	
33 46 23 00-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	55.42	
33 46 23 00-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	54.62	
33 46 23 00-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	53.41	

33 50 Fuel Distribution Utilities (33)

33 51 Natural-Gas Distribution (33 50)

33 51 13 Natural-Gas Piping (33 51)
 See CSI section 23 05 23 00-0000 for gas valves.

33 51 13 13 Gas Distribution Lines (33 51 13)
 Note: Excludes excavation and backfill.

33 51 13 13-0038 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 51 13 13)
 Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 51 13 13-0039 LF 1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.12	1.60
33 51 13 13-0040 LF 3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.48	1.71
33 51 13 13-0041 LF 1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.85	1.83
33 51 13 13-0042 LF 1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.41	1.94
33 51 13 13-0043 LF 1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.87	2.33
33 51 13 13-0044 LF 2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.73	2.54
For DR 13.5 (128 PSI), Deduct	-0.14	
For DR 15.5 (110 PSI), Deduct	-0.26	
33 51 13 13-0045 LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.77	2.97
For DR 13.5 (128 PSI), Deduct	-0.23	
For DR 15.5 (110 PSI), Deduct	-0.42	
33 51 13 13-0046 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	13.15	3.54
For DR 13.5 (128 PSI), Deduct	-0.31	
For DR 15.5 (110 PSI), Deduct	-0.58	
33 51 13 13-0048 LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	15.80	3.64
For DR 13.5 (128 PSI), Deduct	-0.58	
For DR 15.5 (110 PSI), Deduct	-1.07	
33 51 13 13-0049 LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	21.72	3.64
For DR 13.5 (128 PSI), Deduct	-1.04	
For DR 15.5 (110 PSI), Deduct	-1.90	
33 51 13 13-0050 LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	29.29	4.55
For DR 13.5 (128 PSI), Deduct	-1.72	
For DR 15.5 (110 PSI), Deduct	-3.17	



	Utilities	33	
	Fuel Distribution Utilities	33 50	CS
	Natural-Gas Distribution	33 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0051 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped <small>(33 51 13 13)</small>		
33 51 13 13-0052 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	11.37	2.58
33 51 13 13-0053 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.81	2.83
33 51 13 13-0054 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.92	2.90
33 51 13 13-0055 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	14.29	2.98
33 51 13 13-0056 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	14.67	3.01
33 51 13 13-0057 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.62	3.23
33 51 13 13-0058 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	19.31	3.53
33 51 13 13-0059 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	24.18	4.45
33 51 13 13-0060 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	31.28	5.37
33 51 13 13-0061 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	40.11	6.23
33 51 13 13-0062 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	49.98	7.61
33 51 13 13-0063 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	70.04	9.78
33 51 13 13-0064 Gas Line Taps <small>(33 51 13 13)</small>		
Note: Includes material to tap into main and gas valve.		
33 51 13 13-0065 Polyethylene, 60 PSI <small>(33 51 13 13-0064)</small>		
33 51 13 13-0066 EA 2" Polyethylene Hot Tap, With Valve	913.76	
33 51 13 13-0067 EA 2-1/2" Polyethylene Hot Tap, With Valve	1,187.82	
33 51 13 13-0068 EA 3" Polyethylene Hot Tap, With Valve	1,264.52	
33 51 13 13-0069 EA 4" Polyethylene Hot Tap, With Valve	1,644.64	
33 51 13 13-0070 EA 6" Polyethylene Hot Tap, With Valve	2,472.41	
33 51 13 13-0071 Steel, Schedule 40 <small>(33 51 13 13-0064)</small>		
Note: For punch steel service tee.		
33 51 13 13-0072 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,547.27	
33 51 13 13-0073 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,573.36	
33 51 13 13-0074 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,614.66	
33 51 13 13-0075 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,654.19	
33 51 13 13-0076 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,680.15	
33 51 13 13-0077 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,822.32	
33 51 13 13-0078 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,873.62	
33 51 13 13-0079 Protective Pipe And Fitting Wrap <small>(33 51 13 13)</small>		
Note: Pipe is cleaned and primed.		
33 51 13 13-0080 Corrosion Resistance Wrap And Coat - Pipe <small>(33 51 13 13-0079)</small>		
Note: Field applied.		
33 51 13 13-0081 LF 1/2" Pipe Wrap.....	3.09	
33 51 13 13-0082 LF 3/4" Pipe Wrap.....	3.26	
33 51 13 13-0083 LF 1" Pipe Wrap.....	3.47	
33 51 13 13-0084 LF 1-1/4" Pipe Wrap.....	3.88	
33 51 13 13-0085 LF 1-1/2" Pipe Wrap.....	4.19	
33 51 13 13-0086 LF 2" Pipe Wrap.....	4.80	
33 51 13 13-0087 LF 2-1/2" Pipe Wrap.....	5.79	
33 51 13 13-0088 LF 3" Pipe Wrap.....	7.13	
33 51 13 13-0089 LF 4" Pipe Wrap.....	8.92	
33 51 13 13-0090 LF 6" Pipe Wrap.....	11.76	
33 51 13 13-0091 Corrosion Resistance Wrap And Coat - Fittings <small>(33 51 13 13-0079)</small>		
Note: Field applied.		
33 51 13 13-0092 EA 1/2" Fitting Wrap	18.28	
33 51 13 13-0093 EA 3/4" Fitting Wrap	18.28	
33 51 13 13-0094 EA 1" Fitting Wrap	22.61	
33 51 13 13-0095 EA 1-1/4" Fitting Wrap	25.38	
33 51 13 13-0096 EA 1-1/2" Fitting Wrap	25.38	
33 51 13 13-0097 EA 2" Fitting Wrap	30.03	
33 51 13 13-0098 EA 2-1/2" Fitting Wrap	40.14	
33 51 13 13-0099 EA 3" Fitting Wrap	54.22	
33 51 13 13-0100 EA 4" Fitting Wrap	54.76	
33 51 13 13-0101 EA 6" Fitting Wrap	62.90	
33 51 13 13-0108 Service Fittings <small>(33 51 13 13)</small>		
33 51 13 13-0109 Brass Fittings <small>(33 51 13 13-0108)</small>		
33 51 13 13-0110 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	28.60	
33 51 13 13-0111 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	32.66	
33 51 13 13-0112 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	40.51	
33 51 13 13-0113 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	48.94	

33	Utilities
33 50	Fuel Distribution Utilities
33 51	Natural-Gas Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 13-0114 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	54.28	
33 51 13 13-0115 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass.....	67.87	
33 51 13 13-0116 EA 1/2" 90 Degree Elbow, Brass.....	25.53	
33 51 13 13-0117 EA 3/4" 90 Degree Elbow, Brass.....	28.82	
33 51 13 13-0118 EA 1" 90 Degree Elbow, Brass.....	36.11	
33 51 13 13-0119 EA 1-1/4" 90 Degree Elbow, Brass.....	44.64	
33 51 13 13-0120 EA 1-1/2" 90 Degree Elbow, Brass.....	50.08	
33 51 13 13-0121 EA 2" 90 Degree Elbow, Brass.....	63.41	
33 51 13 13-0122 EA 1/2" Diameter Chrome Plated Nipple.....	21.83	
33 51 13 13-0123 EA 3/4" Diameter Chrome Plated Nipple.....	27.81	
33 51 13 13-0124 EA 1" Diameter Chrome Plated Nipple.....	36.20	
33 51 13 13-0125 EA 1-1/4" Diameter Chrome Plated Nipple.....	51.03	
33 51 13 13-0126 EA 1-1/2" Diameter Chrome Plated Nipple.....	61.01	
33 51 13 13-0127 EA 2" Diameter Chrome Plated Nipple.....	80.09	
33 51 13 13-0128 Anodless Gas Riser (33 51 13 13-0108)		
33 51 13 13-0129 EA 3/4" Anodless Gas Riser.....	71.33	
33 51 13 13-0130 EA 1" Anodless Gas Riser.....	87.18	
33 51 13 13-0131 EA 1-1/4" Anodless Gas Riser.....	100.10	
33 51 13 13-0132 EA 1-1/2" Anodless Gas Riser.....	120.82	
33 51 13 13-0133 EA 2" Anodless Gas Riser.....	136.58	
33 51 13 13-0134 Brass Service Adapter (33 51 13 13-0108)		
33 51 13 13-0135 EA 1/2" Brass Service Adapter.....	54.74	
33 51 13 13-0136 EA 3/4" Brass Service Adapter.....	60.21	
33 51 13 13-0137 EA 1" Brass Service Adapter.....	71.59	
33 51 13 13-0138 EA 1-1/4" Brass Service Adapter.....	80.95	
33 51 13 13-0139 EA 1-1/2" Brass Service Adapter.....	91.16	
33 51 13 13-0140 EA 2" Brass Service Adapter.....	102.81	
33 51 13 13-0141 EA 2-1/2" Brass Service Adapter.....	150.88	
33 51 13 13-0142 EA 3" Brass Service Adapter.....	182.89	
33 51 13 13-0143 EA 4" Brass Service Adapter.....	254.82	
33 51 33 Natural-Gas Metering (33 51)		
33 51 33 13 Gas Meters And Regulators (33 51 33)		
33 51 33 13-0001 Natural Gas Meters (33 51 33 13)		
33 51 33 13-0002 Diaphragm Meters (33 51 33 13-0001)		
Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 51 33 13-0003 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	421.82	67.74
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0004 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	783.96	103.60
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0005 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	892.95	103.60
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0006 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,790.13	129.50
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0007 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,048.21	159.38
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0008 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,568.92	129.50
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0009 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,886.27	159.38
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0010 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,748.13	169.35
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0011 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,247.40	199.23
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0012 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,057.66	328.73
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 51 33 13-0013 Gas Pressure Regulators (33 51 33 13)		
33 51 33 13-0014 Regulators With Screwed And Flanged Ends (33 51 33 13-0013)		
33 51 33 13-0015 EA 3/4" Gas Pressure Regulator, Screwed End.....	155.09	17.32
33 51 33 13-0016 EA 1" Gas Pressure Regulator, Screwed End.....	159.02	17.32
33 51 33 13-0017 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	168.45	20.56



Utilities	33	CS
Fuel Distribution Utilities	33 50	
Natural-Gas Distribution	33 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 33 13-0018 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	496.43	23.81
33 51 33 13-0019 EA 2" Gas Pressure Regulator, Screwed End.....	546.07	36.86
33 51 33 13-0020 EA 3" Gas Pressure Regulator, Screwed End.....	1,502.90	82.68
33 51 33 13-0021 EA 4" Gas Pressure Regulator, Screwed End.....	2,076.98	109.57
33 51 33 13-0022 Gas Turbine Meters <small>(33 51 33 13)</small>		
33 51 33 13-0023 Gas Turbine Meters With Direct-Digital Reading <small>(33 51 33 13-0022)</small>		
<small>Note: Maximum working pressure 175 PSI, flanged end connections.</small>		
33 51 33 13-0024 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	6,484.66	312.81
33 51 33 13-0025 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,691.24	363.27
33 51 33 13-0026 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,520.02	456.73
33 51 33 13-0027 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	32,872.27	575.48
33 56 Fuel-Storage Tanks <small>(33 50)</small>		
33 56 13 Aboveground Fuel-Storage Tanks <small>(33 56)</small>		
<small>See CSI section 23 13 23 00-0000 for aboveground storage tanks.</small>		
33 56 16 Underground Fuel-Storage Tanks <small>(33 56)</small>		
<small>See CSI section 23 13 13 00-0000 for underground storage tanks.</small>		
33 60 Hydronic And Steam Energy Utilities <small>(33)</small>		
33 61 Hydronic Energy Distribution <small>(33 60)</small>		
33 61 13 Underground Hydronic Energy Distribution <small>(33 61)</small>		
33 61 13 00-0001 Glass Lined Steel Piping <small>(33 61 13)</small>		
33 61 13 00-0002 Glass Lined Steel Pipe <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0003 EA 4" X 1' Glass Lined Steel Pipe	1,072.72	
33 61 13 00-0004 EA 4" X 2' Glass Lined Steel Pipe	1,184.22	
33 61 13 00-0005 EA 4" X 3' Glass Lined Steel Pipe	1,184.22	
33 61 13 00-0006 EA 4" X 4' Glass Lined Steel Pipe	1,407.20	
33 61 13 00-0007 EA 4" X 5' Glass Lined Steel Pipe	1,999.51	
33 61 13 00-0008 EA 4" X 10' Glass Lined Steel Pipe	2,315.40	
33 61 13 00-0009 EA 6" X 1' Glass Lined Steel Pipe	898.52	
33 61 13 00-0010 EA 6" X 2' Glass Lined Steel Pipe	1,943.76	
33 61 13 00-0011 EA 6" X 3' Glass Lined Steel Pipe	1,943.76	
33 61 13 00-0012 EA 6" X 4' Glass Lined Steel Pipe	2,201.59	
33 61 13 00-0013 EA 6" X 5' Glass Lined Steel Pipe	3,551.11	
33 61 13 00-0014 EA 6" X 10' Glass Lined Steel Pipe	4,109.89	
33 61 13 00-0015 EA 8" X 1' Glass Lined Steel Pipe	2,217.34	
33 61 13 00-0016 EA 8" X 2' Glass Lined Steel Pipe	2,670.28	
33 61 13 00-0017 EA 8" X 3' Glass Lined Steel Pipe	2,670.28	
33 61 13 00-0018 EA 8" X 4' Glass Lined Steel Pipe	3,070.70	
33 61 13 00-0019 EA 8" X 5' Glass Lined Steel Pipe	4,158.67	
33 61 13 00-0020 EA 8" X 10' Glass Lined Steel Pipe	4,726.33	
33 61 13 00-0021 EA 12" X 1' Glass Lined Steel Pipe	6,014.72	
33 61 13 00-0022 EA 12" X 2' Glass Lined Steel Pipe	6,014.72	
33 61 13 00-0023 EA 12" X 3' Glass Lined Steel Pipe	6,233.06	
33 61 13 00-0024 EA 12" X 4' Glass Lined Steel Pipe	6,647.38	
33 61 13 00-0025 EA 12" X 5' Glass Lined Steel Pipe	7,458.92	
33 61 13 00-0026 EA 12" X 10' Glass Lined Steel Pipe	9,213.49	
33 61 13 00-0027 EA 16" X 10' Glass Lined Steel Pipe	12,550.21	
33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0029 EA 4" 90 Degree Elbow, Glass Lined Steel Fittings	1,315.42	
33 61 13 00-0030 EA 6" 90 Degree Elbow, Glass Lined Steel Fittings	2,144.38	
33 61 13 00-0031 EA 8" 90 Degree Elbow, Glass Lined Steel Fittings	3,928.34	
33 61 13 00-0032 EA 10" 90 Degree Elbow, Glass Lined Steel Fittings	6,959.85	
33 61 13 00-0033 EA 12" 90 Degree Elbow, Glass Lined Steel Fittings	10,322.81	
33 61 13 00-0034 EA 14" 90 Degree Elbow, Glass Lined Steel Fittings	12,117.58	
33 61 13 00-0035 EA 16" 90 Degree Elbow, Glass Lined Steel Fittings	13,912.07	
33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small>		
<small>Note: 150 PSIG</small>		
33 61 13 00-0037 EA 4" 45 Degree Elbow, Glass Lined Steel Fittings	1,289.87	
33 61 13 00-0038 EA 6" 45 Degree Elbow, Glass Lined Steel Fittings	2,144.38	
33 61 13 00-0039 EA 8" 45 Degree Elbow, Glass Lined Steel Fittings	4,104.87	
33 61 13 00-0040 EA 10" 45 Degree Elbow, Glass Lined Steel Fittings	11,503.17	
33 61 13 00-0041 EA 12" 45 Degree Elbow, Glass Lined Steel Fittings	10,322.81	
33 61 13 00-0042 EA 14" 45 Degree Elbow, Glass Lined Steel Fittings	12,117.58	
33 61 13 00-0043 EA 16" 45 Degree Elbow, Glass Lined Steel Fittings	13,912.07	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0044 Tee, Glass Lined Steel Fittings <small>(33 61 13 00-0001)</small> Note: 150 PSIG		
33 61 13 00-0045 EA 4" Tee, Glass Lined Steel Fittings.....	2,045.74	
33 61 13 00-0046 EA 6" Tee, Glass Lined Steel Fittings.....	3,498.17	
33 61 13 00-0047 EA 8" Tee, Glass Lined Steel Fittings.....	5,162.89	
33 61 13 00-0048 EA 10" Tee, Glass Lined Steel Fittings.....	8,904.65	
33 61 13 00-0049 EA 12" Tee, Glass Lined Steel Fittings.....	12,661.99	
33 61 13 00-0050 EA 14" Tee, Glass Lined Steel Fittings.....	14,920.60	
33 61 13 00-0051 EA 16" Tee, Glass Lined Steel Fittings.....	17,135.46	
33 61 13 00-0052 Preinsulated Pipe <small>(33 61 13)</small> Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 00-0044 for purging of existing system.		
33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0054 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0055 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.48	
For High Density Polyethylene (HDPE) Jacket, Add	0.42	
For Schedule 80 Pipe, Add	4.24	
33 61 13 00-0056 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.28	
For High Density Polyethylene (HDPE) Jacket, Add	0.47	
For Schedule 80 Pipe, Add	4.66	
33 61 13 00-0057 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.65	
For High Density Polyethylene (HDPE) Jacket, Add	0.53	
For Schedule 80 Pipe, Add	5.25	
33 61 13 00-0058 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.94	
For High Density Polyethylene (HDPE) Jacket, Add	0.56	
For Schedule 80 Pipe, Add	5.64	
33 61 13 00-0059 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.81	
For High Density Polyethylene (HDPE) Jacket, Add	0.59	
For Schedule 80 Pipe, Add	5.89	
33 61 13 00-0060 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.83	
For High Density Polyethylene (HDPE) Jacket, Add	0.64	
For Schedule 80 Pipe, Add	6.40	
33 61 13 00-0061 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.84	
For High Density Polyethylene (HDPE) Jacket, Add	0.69	
For Schedule 80 Pipe, Add	6.92	
33 61 13 00-0062 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	96.09	
For High Density Polyethylene (HDPE) Jacket, Add	0.87	
For Schedule 80 Pipe, Add	8.71	
33 61 13 00-0063 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	120.06	
For High Density Polyethylene (HDPE) Jacket, Add	1.11	
For Schedule 80 Pipe, Add	11.14	
33 61 13 00-0064 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.07	
For High Density Polyethylene (HDPE) Jacket, Add	1.29	
For Schedule 80 Pipe, Add	12.94	
33 61 13 00-0065 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	185.22	
For High Density Polyethylene (HDPE) Jacket, Add	1.88	
For Schedule 80 Pipe, Add	18.83	
33 61 13 00-0066 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	232.63	
For High Density Polyethylene (HDPE) Jacket, Add	2.48	
For Schedule 80 Pipe, Add	24.85	
33 61 13 00-0067 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	288.37	
For High Density Polyethylene (HDPE) Jacket, Add	3.10	
For Schedule 80 Pipe, Add	30.99	
33 61 13 00-0068 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0069 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.60	
For High Density Polyethylene (HDPE) Jacket, Add	0.47	
For Schedule 80 Pipe, Add	4.66	
33 61 13 00-0070 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.61	
For High Density Polyethylene (HDPE) Jacket, Add	0.51	
For Schedule 80 Pipe, Add	5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0071 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	53.27 0.58 5.78	
33 61 13 00-0072 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	56.75 0.62 6.20	
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	59.75 0.65 6.48	
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	69.03 0.70 7.04	
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	79.30 0.76 7.61	
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	100.44 0.96 9.58	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	125.63 1.23 12.26	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	146.54 1.42 14.23	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	194.63 2.07 20.71	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	245.06 2.73 27.33	
33 61 13 00-0081 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	303.87 3.41 34.09	
33 61 13 00-0082 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	45.66 0.49 4.88	
33 61 13 00-0084 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	49.78 0.54 5.36	
33 61 13 00-0085 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	54.58 0.60 6.04	
33 61 13 00-0086 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	58.16 0.65 6.48	
33 61 13 00-0087 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	61.23 0.68 6.78	
33 61 13 00-0088 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	70.63 0.74 7.36	
33 61 13 00-0089 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	81.03 0.80 7.95	
33 61 13 00-0090 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	102.62 1.00 10.02	
33 61 13 00-0091 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	128.42 1.28 12.81	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	149.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.49	
			<i>For Schedule 80 Pipe, Add</i>	14.88	
33 61	13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.17	
			<i>For Schedule 80 Pipe, Add</i>	21.65	
33 61	13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	251.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.86	
			<i>For Schedule 80 Pipe, Add</i>	28.57	
33 61	13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.56	
			<i>For Schedule 80 Pipe, Add</i>	35.64	
33 61	13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0093)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
			<i>For Schedule 80 Pipe, Add</i>	5.19	
33 61	13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
			<i>For Schedule 80 Pipe, Add</i>	5.71	
33 61	13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
			<i>For Schedule 80 Pipe, Add</i>	6.43	
33 61	13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
			<i>For Schedule 80 Pipe, Add</i>	6.90	
33 61	13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
			<i>For Schedule 80 Pipe, Add</i>	7.22	
33 61	13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
			<i>For Schedule 80 Pipe, Add</i>	7.84	
33 61	13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	83.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
			<i>For Schedule 80 Pipe, Add</i>	8.47	
33 61	13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	105.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
			<i>For Schedule 80 Pipe, Add</i>	10.67	
33 61	13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	132.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
			<i>For Schedule 80 Pipe, Add</i>	13.65	
33 61	13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	154.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.58	
			<i>For Schedule 80 Pipe, Add</i>	15.85	
33 61	13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	206.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.31	
			<i>For Schedule 80 Pipe, Add</i>	23.06	
33 61	13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	260.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.04	
			<i>For Schedule 80 Pipe, Add</i>	30.44	
33 61	13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	323.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.80	
			<i>For Schedule 80 Pipe, Add</i>	37.97	
33 61	13 00-0110		Preinsulated Black Steel Fittings <small>(33 61 13 00-0092)</small>		
			Note: No excavation or backfill.		
33 61	13 00-0111		Elbows <small>(33 61 13 00-0110)</small>		
33 61	13 00-0112		Elbows <small>(33 61 13 00-0111)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	322.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0114 EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	336.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61 13 00-0115 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	387.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	
33 61 13 00-0116 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61 13 00-0117 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	533.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61 13 00-0118 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	658.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61 13 00-0119 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	766.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0120 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	894.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.07	
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,044.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.37	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,140.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,587.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.03	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,090.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.77	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,643.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.82	
33 61 13 00-0126 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	339.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.68	
33 61 13 00-0128 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	352.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.79	
33 61 13 00-0129 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.45	
33 61 13 00-0130 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	461.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.95	
33 61 13 00-0131 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 00-0132 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	681.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61 13 00-0133 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	792.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 00-0134 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	924.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.67	
33 61 13 00-0135 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,082.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.15	
33 61 13 00-0136 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,184.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.67	
33 61 13 00-0137 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,651.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.31	
33 61 13 00-0138 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,172.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.41	
33 61 13 00-0139 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,751.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.98	
33 61 13 00-0140 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	355.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61	13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	369.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61	13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	425.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61	13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	481.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61	13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	576.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61	13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	703.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61	13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	818.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.95	
33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	954.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,121.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,229.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,715.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,253.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,859.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.14	
33 61	13 00-0154		Elbows (33 61 13 00-0111) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	371.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.33	
33 61	13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	386.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.46	
33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	444.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.21	
33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	502.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.78	
33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	598.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	725.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	844.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.47	
33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	985.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.88	
33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,160.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71	
33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,273.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.43	
33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,779.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.87	
33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,335.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.67	
33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,968.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.30	
33 61	13 00-0168		Tees (33 61 13 00-0110)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 61 13 00-0169 Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0170 EA 3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	480.99	
				For High Density Polyethylene (HDPE) Jacket, Add	6.47	
				33 61 13 00-0171 EA 1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	500.68	
				For High Density Polyethylene (HDPE) Jacket, Add	6.62	
				33 61 13 00-0172 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	577.19	
				For High Density Polyethylene (HDPE) Jacket, Add	7.53	
				33 61 13 00-0173 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.04	
				For High Density Polyethylene (HDPE) Jacket, Add	8.22	
				33 61 13 00-0174 EA 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	795.61	
				For High Density Polyethylene (HDPE) Jacket, Add	8.56	
				33 61 13 00-0175 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	982.67	
				For High Density Polyethylene (HDPE) Jacket, Add	8.90	
				33 61 13 00-0176 EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,144.15	
				For High Density Polyethylene (HDPE) Jacket, Add	10.27	
				33 61 13 00-0177 EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,335.36	
				For High Density Polyethylene (HDPE) Jacket, Add	11.98	
				33 61 13 00-0178 EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,561.07	
				For High Density Polyethylene (HDPE) Jacket, Add	15.41	
				33 61 13 00-0179 EA 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,702.92	
				For High Density Polyethylene (HDPE) Jacket, Add	17.50	
				33 61 13 00-0180 EA 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,367.81	
				For High Density Polyethylene (HDPE) Jacket, Add	25.30	
				33 61 13 00-0181 EA 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,121.44	
				For High Density Polyethylene (HDPE) Jacket, Add	32.33	
				33 61 13 00-0182 EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,944.16	
				For High Density Polyethylene (HDPE) Jacket, Add	42.79	
				33 61 13 00-0183 Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0184 EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	505.24	
				For High Density Polyethylene (HDPE) Jacket, Add	6.95	
				33 61 13 00-0185 EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.50	
				For High Density Polyethylene (HDPE) Jacket, Add	7.12	
				33 61 13 00-0186 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	605.44	
				For High Density Polyethylene (HDPE) Jacket, Add	8.10	
				33 61 13 00-0187 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	686.85	
				For High Density Polyethylene (HDPE) Jacket, Add	8.83	
				33 61 13 00-0188 EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	827.70	
				For High Density Polyethylene (HDPE) Jacket, Add	9.20	
				33 61 13 00-0189 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,016.05	
				For High Density Polyethylene (HDPE) Jacket, Add	9.57	
				33 61 13 00-0190 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,182.67	
				For High Density Polyethylene (HDPE) Jacket, Add	11.04	
				33 61 13 00-0191 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,380.29	
				For High Density Polyethylene (HDPE) Jacket, Add	12.88	
				33 61 13 00-0192 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,618.85	
				For High Density Polyethylene (HDPE) Jacket, Add	16.56	
				33 61 13 00-0193 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,768.54	
				For High Density Polyethylene (HDPE) Jacket, Add	18.81	
				33 61 13 00-0194 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,462.67	
				For High Density Polyethylene (HDPE) Jacket, Add	27.19	
				33 61 13 00-0195 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,242.69	
				For High Density Polyethylene (HDPE) Jacket, Add	34.76	
				33 61 13 00-0196 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,104.63	
				For High Density Polyethylene (HDPE) Jacket, Add	46.00	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0197		Tees <small>(33 61 13 00-0168)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	529.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	550.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	633.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	717.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	859.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,049.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,221.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,425.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,676.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,834.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.12	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,557.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.09	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,363.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.18	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,265.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.21	
33 61 13 00-0211		Tees <small>(33 61 13 00-0168)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	553.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.92	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	575.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.11	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	661.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.23	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	748.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.07	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	891.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.48	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,082.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.90	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,259.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.58	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,470.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.68	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,734.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.87	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,899.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.43	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,652.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.99	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,485.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0224 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,425.59 52.42	
33 61 13 00-0225 Reducers <small>(33 61 13 00-0110)</small>		
33 61 13 00-0226 Reducers <small>(33 61 13 00-0225)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0227 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	275.38 3.61	
33 61 13 00-0228 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	286.89 3.70	
33 61 13 00-0229 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	330.96 4.21	
33 61 13 00-0230 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	376.80 4.59	
33 61 13 00-0231 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	459.94 4.78	
33 61 13 00-0232 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	579.78 4.98	
33 61 13 00-0233 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	668.78 5.74	
33 61 13 00-0234 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	776.39 6.70	
33 61 13 00-0235 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	903.50 8.61	
33 61 13 00-0236 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	985.54 9.78	
33 61 13 00-0237 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,369.71 14.14	
33 61 13 00-0238 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,805.82 18.07	
33 61 13 00-0239 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,276.76 23.92	
33 61 13 00-0240 Reducers <small>(33 61 13 00-0225)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	288.93 3.89	
33 61 13 00-0242 EA 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	300.76 3.98	
33 61 13 00-0243 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	346.75 4.53	
33 61 13 00-0244 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	394.02 4.94	
33 61 13 00-0245 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	477.88 5.14	
33 61 13 00-0246 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	598.44 5.35	
33 61 13 00-0247 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	690.31 6.17	
33 61 13 00-0248 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	801.50 7.20	
33 61 13 00-0249 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	935.79 9.26	
33 61 13 00-0250 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,022.21 10.51	
33 61 13 00-0251 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,422.73 15.20	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,873.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.43	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,366.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.71	
33 61 13 00-0254		Reducers <small>(33 61 13 00-0225)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	302.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	314.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.25	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	362.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	495.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	617.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	711.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	826.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	968.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,058.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,475.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,941.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.78	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,456.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	
33 61 13 00-0268		Reducers <small>(33 61 13 00-0225)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.43	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.53	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	378.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.16	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.63	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	513.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.86	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	635.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	733.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.03	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	851.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.20	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,000.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.55	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,095.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0279	EA			8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,528.76	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.32	
33 61 13 00-0280	EA			10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,009.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.14	
33 61 13 00-0281	EA			12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,545.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.30	
33 61 13 00-0282				Preinsulated Type K Copper Pipe (33 61 13 00-0052) Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283				Type K Copper Carrier Pipe (33 61 13 00-0282) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284	LF			3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0285	LF			1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0286	LF			1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61 13 00-0287	LF			1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.62	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0288	LF			2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0289	LF			2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
33 61 13 00-0290	LF			3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.04	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61 13 00-0291	LF			4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	101.35	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.01	
33 61 13 00-0292	LF			5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	126.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
33 61 13 00-0293	LF			6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	147.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.50	
33 61 13 00-0294	LF			8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	197.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.19	
33 61 13 00-0295	LF			10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.89	
33 61 13 00-0296	LF			12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	308.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.60	
33 61 13 00-0297				Type K Copper Carrier Pipe (33 61 13 00-0282) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298	LF			3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0299	LF			1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0300	LF			1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0301	LF			1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
33 61 13 00-0302	LF			2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0303	LF			2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61 13 00-0304	LF			3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61 13 00-0305	LF			4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11	
33 61 13 00-0306	LF			5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42	

33	Utilities
33 60	Hydronic And Steam Energy Utilities
33 61	Hydronic Energy Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0307 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	155.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.65	
33 61 13 00-0308 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.41	
33 61 13 00-0309 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	263.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.18	
33 61 13 00-0310 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 00-0311 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
<i>Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0312 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0313 LF 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0314 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0315 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0316 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61 13 00-0317 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61 13 00-0318 LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0319 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.16	
33 61 13 00-0320 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.49	
33 61 13 00-0321 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	159.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.73	
33 61 13 00-0322 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	213.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.52	
33 61 13 00-0323 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	270.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.32	
33 61 13 00-0324 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	335.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.14	
33 61 13 00-0325 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0326 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0327 LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.66	
33 61 13 00-0328 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0329 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61 13 00-0330 LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0331 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	78.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.91	
33 61 13 00-0332 LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	89.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.98	
33 61 13 00-0333 LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0334 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	141.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	1.59	
33 61 13 00-0335 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	164.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	1.84	
33 61 13 00-0336 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	2.68	
33 61 13 00-0337 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	281.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	3.54	
33 61 13 00-0338 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	4.41	
33 61 13 00-0339 Preinsulated Copper Fittings (33 61 13 00-0062)		
33 61 13 00-0340 Elbows (33 61 13 00-0339)		
33 61 13 00-0341 Elbows (33 61 13 00-0340)		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0342 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	372.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	5.61	
33 61 13 00-0343 EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	5.75	
33 61 13 00-0344 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	443.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	6.54	
33 61 13 00-0345 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	498.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.13	
33 61 13 00-0346 EA 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	584.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.43	
33 61 13 00-0347 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	698.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.73	
33 61 13 00-0348 EA 3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	811.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	8.91	
33 61 13 00-0349 EA 4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	946.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	10.40	
33 61 13 00-0350 EA 5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,125.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	13.37	
33 61 13 00-0351 EA 6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,238.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	15.19	
33 61 13 00-0352 EA 8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,738.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	21.96	
33 61 13 00-0353 EA 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,274.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	28.07	
33 61 13 00-0354 EA 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,903.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	37.15	
33 61 13 00-0355 Elbows (33 61 13 00-0340)		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0356 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	6.03	
33 61 13 00-0357 EA 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	6.18	
33 61 13 00-0358 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	467.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.03	
33 61 13 00-0359 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.67	
33 61 13 00-0360 EA 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	612.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	7.99	
33 61 13 00-0361 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	727.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
	8.31	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0362 EA 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	844.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.58	
33 61 13 00-0363 EA 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	985.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.18	
33 61 13 00-0364 EA 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,175.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.38	
33 61 13 00-0365 EA 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,295.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.33	
33 61 13 00-0366 EA 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,820.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.60	
33 61 13 00-0367 EA 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,379.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.17	
33 61 13 00-0368 EA 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,042.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.93	
33 61 13 00-0369 Elbows <small>(33 61 13 00-0340)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0370 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	414.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 00-0371 EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.61	
33 61 13 00-0372 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	492.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61 13 00-0373 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	552.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.20	
33 61 13 00-0374 EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	640.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.54	
33 61 13 00-0375 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	756.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.89	
33 61 13 00-0376 EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	878.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61 13 00-0377 EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,024.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.96	
33 61 13 00-0378 EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,225.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.38	
33 61 13 00-0379 EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,353.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.47	
33 61 13 00-0380 EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,902.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.25	
33 61 13 00-0381 EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,484.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.27	
33 61 13 00-0382 EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,182.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.72	
33 61 13 00-0383 Elbows <small>(33 61 13 00-0340)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0384 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.88	
33 61 13 00-0385 EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	450.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.04	
33 61 13 00-0386 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	516.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.01	
33 61 13 00-0387 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.74	
33 61 13 00-0388 EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-	0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	785.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.46	
33 61	13 00-	0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	911.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.92	
33 61	13 00-	0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,063.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.74	
33 61	13 00-	0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,275.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.38	
33 61	13 00-	0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,410.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.61	
33 61	13 00-	0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,984.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.90	
33 61	13 00-	0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,589.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.38	
33 61	13 00-	0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,321.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.50	
33 61	13 00-	0397		Tees <small>(33 61 13 00-0397)</small>		
33 61	13 00-	0398		Tees <small>(33 61 13 00-0397)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-	0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	553.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61	13 00-	0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	574.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.53	
33 61	13 00-	0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	659.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.71	
33 61	13 00-	0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	742.76	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.59	
33 61	13 00-	0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	871.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.03	
33 61	13 00-	0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,041.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.47	
33 61	13 00-	0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,210.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.24	
33 61	13 00-	0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,412.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61	13 00-	0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,680.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.86	
33 61	13 00-	0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,847.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.55	
33 61	13 00-	0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,589.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.61	
33 61	13 00-	0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,392.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.68	
33 61	13 00-	0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,327.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.16	
33 61	13 00-	0412		Tees <small>(33 61 13 00-0397)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-	0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	585.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61	13 00-	0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	606.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.17	
33 61	13 00-	0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	696.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.44	
33 61	13 00-	0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	782.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.39	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0417 EA 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	912.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.86	
33 61 13 00-0418 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,084.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.33	
33 61 13 00-0419 EA 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,259.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.23	
33 61 13 00-0420 EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,470.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.60	
33 61 13 00-0421 EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,754.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.35	
33 61 13 00-0422 EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,932.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.25	
33 61 13 00-0423 EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,711.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.05	
33 61 13 00-0424 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,548.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.80	
33 61 13 00-0425 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,533.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.30	
33 61 13 00-0426 Tees <small>(33 61 13 00-0397)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0427 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.59	
33 61 13 00-0428 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	638.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.81	
33 61 13 00-0429 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	732.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.16	
33 61 13 00-0430 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	822.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.18	
33 61 13 00-0431 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	954.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.69	
33 61 13 00-0432 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,127.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.19	
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,309.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.22	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,528.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.76	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,829.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.84	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,017.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.94	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,832.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.50	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,702.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.93	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,743.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.43	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	647.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.21	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	670.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.45	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	769.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	861.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.97	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	995.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.51	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,170.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.05	
33 61 13 00-0447 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,359.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.22	
33 61 13 00-0448 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,586.22	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.92	
33 61 13 00-0449 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,903.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.33	
33 61 13 00-0450 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,101.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.63	
33 61 13 00-0451 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,955.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.94	
33 61 13 00-0452 EA 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,859.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.05	
33 61 13 00-0453 EA 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,950.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.57	
33 61 13 00-0454 Reducers <small>(33 61 13 00-0339)</small>		
33 61 13 00-0455 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0456 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	315.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0457 EA 1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	327.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0458 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 00-0459 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	423.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0460 EA 2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	500.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0461 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0462 EA 3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	701.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0463 EA 4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	815.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0464 EA 5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	966.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61 13 00-0465 EA 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,062.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61 13 00-0466 EA 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,487.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.22	
33 61 13 00-0467 EA 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,949.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.29	
33 61 13 00-0468 EA 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,481.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	
33 61 13 00-0469 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0470 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	332.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0471 EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	344.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	446.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	523.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	632.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	729.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.95	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	847.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,007.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,109.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,555.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,036.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,597.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.14	
33 61 13 00-0483		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	350.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	362.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	546.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.37	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	757.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	880.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,049.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.76	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,156.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,623.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,123.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,712.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	
33 61 13 00-0497		Reducers <small>(33 61 13 00-0454)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0499	EA		1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....380.69 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....5.84		
33 61	13 00-0500	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....437.12 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....6.65		
33 61	13 00-0501	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....490.54 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....7.25		
33 61	13 00-0502	EA		2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....569.64 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....7.55		
33 61	13 00-0503	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....680.62 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....7.86		
33 61	13 00-0504	EA		3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....785.15 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....9.06		
33 61	13 00-0505	EA		4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....912.65 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....10.57		
33 61	13 00-0506	EA		5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,091.09 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....13.60		
33 61	13 00-0507	EA		6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,204.09 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....15.44		
33 61	13 00-0508	EA		8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....1,692.18 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....22.32		
33 61	13 00-0509	EA		10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,211.03 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....28.54		
33 61	13 00-0510	EA		12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....2,828.44 <i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....37.77		
33 61	13 00-0511			Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0512			Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0513	LF		4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....96.32		
33 61	13 00-0514	LF		6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....140.11		
33 61	13 00-0515	LF		8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....183.21		
33 61	13 00-0516	LF		10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....228.66		
33 61	13 00-0517	LF		12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....283.22		
33 61	13 00-0518			Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0519	LF		4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....100.63		
33 61	13 00-0520	LF		6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....146.51		
33 61	13 00-0521	LF		8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....192.53		
33 61	13 00-0522	LF		10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....240.96		
33 61	13 00-0523	LF		12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....298.56		
33 61	13 00-0524	LF		14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....324.66		
33 61	13 00-0525	LF		16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....361.44		
33 61	13 00-0526	LF		18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....401.82		
33 61	13 00-0527	LF		20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....438.77		
33 61	13 00-0528	LF		24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....510.34		
33 61	13 00-0529			Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0052)</small>		
33 61	13 00-0530			Elbows <small>(33 61 13 00-0529)</small>		
33 61	13 00-0531			Elbows <small>(33 61 13 00-0530)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0532 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	872.39	
33 61 13 00-0533 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,108.68	
33 61 13 00-0534 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,541.74	
33 61 13 00-0535 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,031.60	
33 61 13 00-0536 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,565.67	
33 61 13 00-0537 Elbows <small>(33 61 13 00-0530)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	925.63	
33 61 13 00-0539 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,186.43	
33 61 13 00-0540 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,654.14	
33 61 13 00-0541 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,175.26	
33 61 13 00-0542 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,755.81	
33 61 13 00-0543 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,334.37	
33 61 13 00-0544 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,904.61	
33 61 13 00-0545 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,862.19	
33 61 13 00-0546 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,195.32	
33 61 13 00-0547 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,173.74	
33 61 13 00-0548 Tees <small>(33 61 13 00-0529)</small>		
33 61 13 00-0549 Tees <small>(33 61 13 00-0548)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,302.85	
33 61 13 00-0551 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,655.45	
33 61 13 00-0552 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,299.18	
33 61 13 00-0553 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,033.72	
33 61 13 00-0554 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,828.05	
33 61 13 00-0555 Tees <small>(33 61 13 00-0548)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,381.91	
33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,770.90	
33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,466.08	
33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,247.06	
33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,110.41	
33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,833.12	
33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,661.10	
33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,050.83	
33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,991.42	
33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	11,865.39	
33 61 13 00-0566 Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567 Reducers <small>(33 61 13 00-0566)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	758.22	
33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	959.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,331.35	
33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,756.79	
33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,211.87	
33 61 13 00-0573 Reducers <small>(33 61 13 00-0566)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	802.41	
33 61 13 00-0575 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,023.53	
33 61 13 00-0576 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,424.63	
33 61 13 00-0577 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,876.03	
33 61 13 00-0578 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,369.69	
33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,783.76	
33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,255.48	
33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,019.06	
33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,170.28	
33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,844.01	
33 61 13 00-0584 Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>		
33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	53.21	20.30
33 61 13 00-0587 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	65.77	23.82
33 61 13 00-0588 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	83.27	24.72
33 61 13 00-0589 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	109.65	30.90
33 61 13 00-0590 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	139.32	38.11
33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0592 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	42.42	23.82
33 61 13 00-0593 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	44.56	23.82
33 61 13 00-0594 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	46.56	23.82
33 61 13 00-0595 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	55.94	28.15
33 61 13 00-0596 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	68.78	35.72
33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0598 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	42.42	23.82
33 61 13 00-0599 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	44.56	23.82
33 61 13 00-0600 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	46.56	23.82
33 61 13 00-0601 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	55.94	28.15
33 61 13 00-0602 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	68.78	35.72
33 70 Electrical Utilities <small>(33)</small>		
33 71 Electrical Utility Transmission And Distribution <small>(33 70)</small>		
33 71 19 Electrical Underground Ducts And Manholes <small>(33 71)</small>		
Note: Excludes excavation and backfill.		
33 71 19 00-0001 Electrical Handholes And Pull Boxes <small>(33 71 19)</small>		
33 71 19 00-0002 Electrical Pull Boxes <small>(33 71 19 00-0001)</small>		
See CSI section 33 05 16 13-0427 for handholes.		
33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,473.64	
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,761.68	
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,036.63	
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,151.05	
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,357.61	
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,609.33	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission And Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,151.36	
33 71 19 00-0010		Electrical Pull Boxes (CALTRAN) <small>(33 71 19 00-0001)</small>		
33 71 19 00-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	93.11	
33 71 19 00-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	31.66	
33 71 19 00-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	51.21	
33 71 19 00-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	96.03	
33 71 19 00-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	142.51	
		<i>For Galvanized Steel Cover, Add</i>	22.50	
33 71 19 00-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	44.06	
33 71 19 00-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	44.06	
33 71 19 00-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box.....	135.14	
33 71 19 00-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	40.46	
33 71 19 00-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	60.01	
33 71 19 00-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	185.41	
		<i>For Galvanized Steel Cover, Add</i>	41.25	
33 71 19 00-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	57.81	
33 71 19 00-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	54.79	
33 71 19 00-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box.....	143.94	
33 71 19 00-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	52.28	
33 71 19 00-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	71.83	
33 71 19 00-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	250.31	
		<i>For Galvanized Steel Cover, Add</i>	57.75	
33 71 19 00-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	66.61	
33 71 19 00-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	63.31	
33 71 19 00-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	83.11	
33 71 19 00-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	173.69	
33 71 19 00-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	220.61	
33 71 19 00-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	77.61	
33 71 19 00-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	72.11	
33 71 19 00-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box.....	231.94	
33 71 19 00-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	314.11	
33 71 19 00-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	90.81	
33 71 19 00-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	88.61	
33 71 19 00-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box.....	312.24	
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	435.11	
33 71 19 00-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	145.81	
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	116.11	
33 71 19 00-0043		Electrical Property Line Boxes <small>(33 71 19)</small>		
33 71 19 00-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	2,879.31	305.29
33 71 19 00-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	3,365.27	316.60
33 71 19 00-0046	EA	6' x 4' x 5' Deep Property Line Box	3,708.66	384.43
33 71 19 00-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	5,668.20	565.34
33 71 19 00-0048		Underground Electrical Concrete Markers <small>(33 71 19)</small>		
33 71 19 00-0049	EA	36" x 6" x 6", Underground Electric Concrete Marker	300.46	
33 71 19 00-0050		Manhole Accessories <small>(33 71 19)</small>		
33 71 19 00-0051	EA	6" Precast Grade Ring Riser Casting.....	415.90	
33 71 19 00-0052	EA	12" Precast Grade Ring Riser Casting.....	450.40	
33 71 19 00-0053	EA	36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,274.87	
33 71 19 00-0054	EA	42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,654.95	
33 71 19 00-0055	EA	Cast Iron Adjusting Ring NEENAH #R-1979.....	577.01	
33 71 19 00-0056	EA	Cast Iron Frame And Cover NEENAH #R-1640-B.....	718.10	

END OF SECTION 33



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 23 Stainless Steel Process Pipe and Tubing ^(40 05)

40 05 23 43 Stainless Steel Process Pipe ^(40 05 23)

40 05 23 43-0001	43	Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly ^(40 05 23)		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 43-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	27.41	8.87
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	2.49	
		For Work In Restricted Working Space, Add	5.35	
40 05 23 43-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	31.22	10.17
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	2.61	
		For Work In Restricted Working Space, Add	6.35	
40 05 23 43-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	36.33	11.47
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	3.06	
		For Work In Restricted Working Space, Add	7.37	
40 05 23 43-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	41.29	13.85
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	3.86	
		For Work In Restricted Working Space, Add	7.94	
40 05 23 43-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	45.36	14.25
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	4.42	
		For Work In Restricted Working Space, Add	8.51	
40 05 23 43-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	54.91	18.82
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	5.39	
		For Work In Restricted Working Space, Add	10.25	
40 05 23 43-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	77.98	23.21
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	9.27	
		For Work In Restricted Working Space, Add	12.70	
40 05 23 43-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	98.21	26.90
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	12.07	
		For Work In Restricted Working Space, Add	15.53	
40 05 23 43-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	132.58	26.90
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	19.71	

40 05 23 43-0011 Stainless Steel Tubing And Fittings ^(40 05 23 43)

40 05 23 43-0012 Type 304 Tubing ^(40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall ^(40 05 23 43-0012)

40 05 23 43-0014	LF	1/4" Stainless Steel Tubing, Type 304, 0.035" Wall	6.77	2.93
		For Work In Restricted Working Space, Add	1.74	
40 05 23 43-0015	LF	3/8" Stainless Steel Tubing, Type 304, 0.035" Wall	7.98	3.47
		For Work In Restricted Working Space, Add	2.09	
40 05 23 43-0016	LF	1/2" Stainless Steel Tubing, Type 304, 0.035" Wall	9.44	4.11
		For Work In Restricted Working Space, Add	2.44	
40 05 23 43-0017	LF	5/8" Stainless Steel Tubing, Type 304, 0.035" Wall	13.25	4.65
		For Work In Restricted Working Space, Add	2.79	
40 05 23 43-0018	LF	3/4" Stainless Steel Tubing, Type 304, 0.035" Wall	15.41	5.20
		For Work In Restricted Working Space, Add	3.14	
40 05 23 43-0019	LF	7/8" Stainless Steel Tubing, Type 304, 0.035" Wall	17.09	5.84
		For Work In Restricted Working Space, Add	3.49	
40 05 23 43-0020	LF	1" Stainless Steel Tubing, Type 304, 0.035" Wall	19.60	7.04
		For Work In Restricted Working Space, Add	4.19	

40 05 23 43-0021 0.049" Wall ^(40 05 23 43-0012)

40 05 23 43-0022	LF	1/4" Stainless Steel Tubing, Type 304, 0.049" Wall	9.84	3.47
		For Work In Restricted Working Space, Add	2.09	
40 05 23 43-0023	LF	3/8" Stainless Steel Tubing, Type 304, 0.049" Wall	11.17	4.11
		For Work In Restricted Working Space, Add	2.44	
40 05 23 43-0024	LF	1/2" Stainless Steel Tubing, Type 304, 0.049" Wall	13.16	4.65
		For Work In Restricted Working Space, Add	2.79	
40 05 23 43-0025	LF	5/8" Stainless Steel Tubing, Type 304, 0.049" Wall	16.59	5.84
		For Work In Restricted Working Space, Add	3.49	
40 05 23 43-0026	LF	3/4" Stainless Steel Tubing, Type 304, 0.049" Wall	19.32	7.04
		For Work In Restricted Working Space, Add	4.19	
40 05 23 43-0027	LF	7/8" Stainless Steel Tubing, Type 304, 0.049" Wall	22.03	8.12
		For Work In Restricted Working Space, Add	4.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0028	LF		1" Stainless Steel Tubing, Type 304, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	25.28 5.55	9.20
40 05 23 43-0029			0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030	LF		1/4" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.49 2.44	4.11
40 05 23 43-0031	LF		3/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	13.18 2.79	4.65
40 05 23 43-0032	LF		1/2" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.35 3.49	5.84
40 05 23 43-0033	LF		5/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	19.36 4.19	7.04
40 05 23 43-0034	LF		3/4" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	22.74 4.88	8.12
40 05 23 43-0035	LF		7/8" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.03 5.55	9.20
40 05 23 43-0036	LF		1" Stainless Steel Tubing, Type 304, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	29.32 6.25	10.40
40 05 23 43-0037			Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038			90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039	EA		1/4" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	35.51 6.98	11.69
40 05 23 43-0040	EA		3/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	40.89 7.64	12.78
40 05 23 43-0041	EA		1/2" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	56.50 8.66	14.40
40 05 23 43-0042	EA		5/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	61.15 9.69	16.13
40 05 23 43-0043	EA		3/4" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	67.75 10.48	17.43
40 05 23 43-0044	EA		7/8" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	87.70 11.60	19.37
40 05 23 43-0045	EA		1" 90 Degree Elbow, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	109.99 13.82	23.06
40 05 23 43-0046			Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047	EA		1/4" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	55.26 10.48	17.43
40 05 23 43-0048	EA		3/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	65.05 11.60	19.37
40 05 23 43-0049	EA		1/2" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	83.76 12.99	21.66
40 05 23 43-0050	EA		5/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	91.53 14.76	24.57
40 05 23 43-0051	EA		3/4" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	111.54 15.84	26.41
40 05 23 43-0052	EA		7/8" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	163.63 17.56	29.23
40 05 23 43-0053	EA		1" Union Tee, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	195.94 20.95	34.97
40 05 23 43-0054			Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055	EA		1/4" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	53.64 10.48	17.43
40 05 23 43-0056	EA		3/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	65.96 11.60	19.37
40 05 23 43-0057	EA		1/2" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	84.36 12.99	21.66
40 05 23 43-0058	EA		5/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	100.93 14.76	24.57
40 05 23 43-0059	EA		3/4" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	117.26 15.84	26.41
40 05 23 43-0060	EA		7/8" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	168.19 17.56	29.23
40 05 23 43-0061	EA		1" Union, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	183.02 20.95	34.97
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	29.71 6.98	11.69
40 05 23 43-0064	EA		3/8" x 3/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	35.20 7.64	12.78
40 05 23 43-0065	EA		1/2" x 1/2" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	43.40 8.66	14.40
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	48.80 9.69	16.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0067 EA 3/4" x 3/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	56.78 10.48	17.43
40 05 23 43-0068 EA 7/8" x 7/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	78.08 11.60	19.37
40 05 23 43-0069 EA 1" x 1" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	84.74 13.82	23.06
40 05 23 43-0070 Type 304 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0071 Gate Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	163.55 9.46	17.43
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	271.23 9.95	20.46
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	284.12 13.82	23.06
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	315.34 15.84	26.41
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	294.11 20.95	34.97
40 05 23 43-0077 Globe Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	165.71 9.46	17.43
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	112.16 9.95	20.46
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	198.56 13.82	23.06
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	221.37 15.84	26.41
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	321.35 20.95	34.97
40 05 23 43-0083 Check Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	229.27 9.46	17.43
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	230.92 9.95	20.46
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	156.60 13.82	23.06
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	164.95 15.84	26.41
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	185.18 20.95	34.97
40 05 23 43-0089 Plug Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	354.03 13.82	23.06
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	388.15 15.84	26.41
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	441.67 20.95	34.97
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	609.52 23.71	39.51
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	794.88 32.48	54.13
40 05 23 43-0095 Type 316 Tubing <small>(40 05 23 43-0011)</small>		
40 05 23 43-0096 0.035" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	6.92 1.74	2.93
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	8.70 2.09	3.47
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	9.88 2.44	4.11
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.41 2.79	4.65
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	16.32 3.14	5.20
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	19.88 3.49	5.84
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	21.76 4.19	7.04
40 05 23 43-0104 0.049" Wall <small>(40 05 23 43-0095)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	10.46 2.09	3.47
40 05 23 43-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	11.82 2.44	4.11
40 05 23 43-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	13.77 2.79	4.65
40 05 23 43-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.73 3.49	5.84
40 05 23 43-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.73 4.19	7.04
40 05 23 43-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	25.66 4.88	8.12
40 05 23 43-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	27.18 5.55	9.20
40 05 23 43-0112			0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	12.24 2.44	4.11
40 05 23 43-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	13.75 2.79	4.65
40 05 23 43-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.25 3.49	5.84
40 05 23 43-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.60 4.19	7.04
40 05 23 43-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.63 4.88	8.12
40 05 23 43-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	27.43 5.55	9.20
40 05 23 43-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	31.57 6.25	10.40
40 05 23 43-0120			Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121			90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	44.33 6.98	11.69
40 05 23 43-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	52.02 7.64	12.78
40 05 23 43-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	76.45 8.66	14.40
40 05 23 43-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	81.96 9.69	16.13
40 05 23 43-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	91.45 10.48	17.43
40 05 23 43-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	123.10 11.60	19.37
40 05 23 43-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	156.13 13.82	23.06
40 05 23 43-0129			Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.94 10.48	17.43
40 05 23 43-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	84.09 11.60	19.37
40 05 23 43-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	112.98 12.99	21.66
40 05 23 43-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	122.09 14.76	24.57
40 05 23 43-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	153.95 15.84	26.41
40 05 23 43-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	239.51 17.56	29.23
40 05 23 43-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	286.99 20.95	34.97
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	51.40 10.48	17.43
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	62.70 11.60	19.37
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	79.45 12.99	21.66
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	94.74 14.76	24.57
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	109.56 15.84	26.41
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	155.08 17.56	29.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	169.49 20.95	34.97
40 05 23 43-0145 Male Connectors (40 05 23 43-0120)		
40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	34.26 6.98	11.69
40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	42.07 7.64	12.78
40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	53.69 8.66	14.40
40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	60.45 9.69	16.13
40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	72.23 10.48	17.43
40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	105.94 11.60	19.37
40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.08 13.82	23.06
40 05 23 43-0153 Type 316 Valves (40 05 23 43-0011)		
40 05 23 43-0154 Gate Valves (40 05 23 43-0153)		
40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	206.17 9.46	17.43
40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	348.09 9.95	20.46
40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	360.98 13.82	23.06
40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	400.10 15.84	26.41
40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	366.52 20.95	34.97
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	498.94 21.76	36.26
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	794.24 23.71	39.51
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	947.45 32.48	54.13
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,443.22 103.97	173.33
40 05 23 43-0164 Globe Valves (40 05 23 43-0153)		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	209.03 9.46	17.43
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	137.66 9.95	20.46
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	247.79 13.82	23.06
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	275.79 15.84	26.41
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	402.55 20.95	34.97
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	499.78 21.60	36.05
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	822.85 23.71	39.51
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	976.06 32.48	54.13
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,262.03 103.97	173.33
40 05 23 43-0174 Check Valves (40 05 23 43-0153)		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	293.12 9.46	17.43
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	294.77 9.95	20.46
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	192.29 13.82	23.06
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	201.15 15.84	26.41
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	222.42 20.95	34.97
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	303.13 21.76	36.26
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	660.73 23.71	39.51
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	804.41 32.48	54.13

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,618.06 103.97	173.33
40 05 23 43-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	317.17 13.82	23.06
40 05 23 43-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	370.33 15.84	26.41
40 05 23 43-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	472.77 20.95	34.97
40 05 23 43-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	747.48 23.71	39.51
40 05 23 43-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,044.10 32.48	54.13
40 05 23 43-0190			Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	417.44 13.82	23.06
40 05 23 43-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	479.88 15.84	26.41
40 05 23 43-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	582.33 20.95	34.97
40 05 23 43-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	901.59 23.71	39.51
40 05 23 43-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,227.93 32.48	54.13
40 05 23 43-0196			Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197	EA		1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	418.40 13.82	23.06
40 05 23 43-0198	EA		3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	500.35 15.92	26.52
40 05 23 43-0199	EA		1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	654.84 21.11	35.19
40 05 23 43-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	810.46 21.76	36.26
40 05 23 43-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,015.11 23.71	39.51
40 05 23 43-0202	EA		2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,462.91 32.48	54.13
40 05 23 43-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,009.57 43.20	72.00
40 05 23 43-0204	EA		3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,927.72 64.96	108.26
40 05 23 43-0205	EA		4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,759.92 103.93	173.22
40 05 23 43-0206			Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	445.32 13.82	23.06
40 05 23 43-0208	EA		3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	487.54 15.84	26.41
40 05 23 43-0209	EA		1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	551.89 20.95	34.97
40 05 23 43-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	766.77 23.71	39.51
40 05 23 43-0211	EA		2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	998.41 32.48	54.13
40 05 23 43-0212			Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small> Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe	21.65	
40 05 23 43-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe	23.38	
40 05 23 43-0215	EA		Cut And Prepare 1" Stainless Steel Pipe	26.30	
40 05 23 43-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe	27.60	
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	29.22	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	31.38	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	33.55	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	36.80	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	40.04	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	43.29	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	46.54	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	50.87	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	55.20	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	59.52	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	63.85	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	67.10	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	
Stainless Steel Process Pipe and Tubing 40 05 23	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0229 EA Cut And Prepare 20" Stainless Steel Pipe	70.35	
40 05 23 43-0230 EA Cut And Prepare 24" Stainless Steel Pipe	74.68	
 40 05 23 43-0231 Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232 Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0233 Pipe (40 05 23 43-0232)		
40 05 23 43-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.00	4.65
For Work In Restricted Working Space, Add	2.79	
40 05 23 43-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	17.30	5.84
For Work In Restricted Working Space, Add	3.49	
40 05 23 43-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.16	7.04
For Work In Restricted Working Space, Add	4.19	
40 05 23 43-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	25.27	8.12
For Work In Restricted Working Space, Add	4.88	
40 05 23 43-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	29.15	9.20
For Work In Restricted Working Space, Add	5.55	
40 05 23 43-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	37.12	11.69
For Work In Restricted Working Space, Add	6.98	
40 05 23 43-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	49.12	13.85
For Work In Restricted Working Space, Add	8.33	
40 05 23 43-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	61.76	17.43
For Work In Restricted Working Space, Add	10.48	
40 05 23 43-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	83.22	23.06
For Work In Restricted Working Space, Add	13.82	
 40 05 23 43-0243 90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244 EA 1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	41.48	17.43
For Work In Restricted Working Space, Add	10.48	
40 05 23 43-0245 EA 3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	53.51	23.06
For Work In Restricted Working Space, Add	13.82	
40 05 23 43-0246 EA 1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	68.41	29.23
For Work In Restricted Working Space, Add	17.56	
40 05 23 43-0247 EA 1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	95.03	40.05
For Work In Restricted Working Space, Add	24.06	
40 05 23 43-0248 EA 1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	111.01	47.09
For Work In Restricted Working Space, Add	28.24	
40 05 23 43-0249 EA 2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	138.32	56.95
For Work In Restricted Working Space, Add	34.19	
40 05 23 43-0250 EA 2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	247.70	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0251 EA 3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	317.76	116.38
For Work In Restricted Working Space, Add	69.85	
40 05 23 43-0252 EA 4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	455.21	144.31
For Work In Restricted Working Space, Add	86.61	
 40 05 23 43-0253 45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254 EA 1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	43.90	17.43
For Work In Restricted Working Space, Add	10.48	
40 05 23 43-0255 EA 3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	55.79	23.06
For Work In Restricted Working Space, Add	13.82	
40 05 23 43-0256 EA 1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	69.23	29.23
For Work In Restricted Working Space, Add	17.56	
40 05 23 43-0257 EA 1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	94.05	40.05
For Work In Restricted Working Space, Add	24.06	
40 05 23 43-0258 EA 1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	112.06	47.09
For Work In Restricted Working Space, Add	28.24	
40 05 23 43-0259 EA 2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	139.29	56.95
For Work In Restricted Working Space, Add	34.19	
40 05 23 43-0260 EA 2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	268.07	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0261 EA 3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	356.67	116.38
For Work In Restricted Working Space, Add	69.85	
40 05 23 43-0262 EA 4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	512.66	144.31
For Work In Restricted Working Space, Add	86.61	
 40 05 23 43-0263 Tees (40 05 23 43-0232)		
40 05 23 43-0264 EA 1/2" Tee, Stainless Steel, Schedule 40 Type 304	62.64	26.41
For Work In Restricted Working Space, Add	15.84	
40 05 23 43-0265 EA 3/4" Tee, Stainless Steel, Schedule 40 Type 304	80.33	34.97
For Work In Restricted Working Space, Add	20.95	
40 05 23 43-0266 EA 1" Tee, Stainless Steel, Schedule 40 Type 304	99.00	43.30
For Work In Restricted Working Space, Add	25.98	
40 05 23 43-0267 EA 1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	140.56	60.19
For Work In Restricted Working Space, Add	36.09	
40 05 23 43-0268 EA 1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	160.80	67.66
For Work In Restricted Working Space, Add	40.60	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0269 EA 2" Tee, Stainless Steel, Schedule 40 Type 304.....	211.20	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0270 EA 2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	362.67	130.46
For Work In Restricted Working Space, Add	78.26	
40 05 23 43-0271 EA 3" Tee, Stainless Steel, Schedule 40 Type 304.....	504.14	174.63
For Work In Restricted Working Space, Add	104.77	
40 05 23 43-0272 EA 4" Tee, Stainless Steel, Schedule 40 Type 304.....	682.68	216.52
For Work In Restricted Working Space, Add	129.91	
40 05 23 43-0273 Reducers (40 05 23 43-0232)		
40 05 23 43-0274 EA 3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	52.24	23.06
For Work In Restricted Working Space, Add	13.82	
40 05 23 43-0275 EA 1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	67.64	29.23
For Work In Restricted Working Space, Add	17.56	
40 05 23 43-0276 EA 1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	98.86	40.05
For Work In Restricted Working Space, Add	24.06	
40 05 23 43-0277 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	114.74	47.09
For Work In Restricted Working Space, Add	28.24	
40 05 23 43-0278 EA 2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	146.07	56.95
For Work In Restricted Working Space, Add	34.19	
40 05 23 43-0279 EA 2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	247.90	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0280 EA 3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	304.99	116.38
For Work In Restricted Working Space, Add	69.85	
40 05 23 43-0281 EA 4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	429.56	144.31
For Work In Restricted Working Space, Add	86.61	
40 05 23 43-0282 EA 4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	368.33	132.62
For Work In Restricted Working Space, Add	79.57	
40 05 23 43-0283 Unions (40 05 23 43-0232)		
40 05 23 43-0284 EA 1/2" Union, Stainless Steel, Schedule 40 Type 304.....	66.47	26.41
For Work In Restricted Working Space, Add	15.84	
40 05 23 43-0285 EA 3/4" Union, Stainless Steel, Schedule 40 Type 304.....	88.56	34.97
For Work In Restricted Working Space, Add	20.95	
40 05 23 43-0286 EA 1" Union, Stainless Steel, Schedule 40 Type 304.....	113.78	43.30
For Work In Restricted Working Space, Add	25.98	
40 05 23 43-0287 EA 1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	170.24	60.19
For Work In Restricted Working Space, Add	36.09	
40 05 23 43-0288 EA 1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	194.04	67.66
For Work In Restricted Working Space, Add	40.60	
40 05 23 43-0289 EA 2" Union, Stainless Steel, Schedule 40 Type 304.....	254.56	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0290 Flanges (40 05 23 43-0232)		
40 05 23 43-0291 EA 2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	240.23	90.18
For Work In Restricted Working Space, Add	54.13	
40 05 23 43-0292 EA 3" Flange, Stainless Steel, Schedule 40 Type 304.....	298.01	116.38
For Work In Restricted Working Space, Add	69.85	
40 05 23 43-0293 EA 4" Flange, Stainless Steel, Schedule 40 Type 304.....	382.37	144.31
For Work In Restricted Working Space, Add	86.61	
40 05 23 43-0294 Caps (40 05 23 43-0232)		
40 05 23 43-0295 EA 1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	19.97	8.77
For Work In Restricted Working Space, Add	5.24	
40 05 23 43-0296 EA 3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	26.94	11.69
For Work In Restricted Working Space, Add	6.98	
40 05 23 43-0297 EA 1" Caps, Stainless Steel, Schedule 40 Type 304.....	34.24	14.40
For Work In Restricted Working Space, Add	8.66	
40 05 23 43-0298 EA 1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	54.94	20.46
For Work In Restricted Working Space, Add	12.26	
40 05 23 43-0299 EA 1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	62.33	23.06
For Work In Restricted Working Space, Add	13.82	
40 05 23 43-0300 EA 2" Caps, Stainless Steel, Schedule 40 Type 304.....	79.15	29.23
For Work In Restricted Working Space, Add	17.56	
40 05 23 43-0301 EA 2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	121.56	43.30
For Work In Restricted Working Space, Add	25.98	
40 05 23 43-0302 EA 3" Caps, Stainless Steel, Schedule 40 Type 304.....	162.29	56.95
For Work In Restricted Working Space, Add	34.19	
40 05 23 43-0303 EA 4" Caps, Stainless Steel, Schedule 40 Type 304.....	233.68	72.21
For Work In Restricted Working Space, Add	43.30	
40 05 23 43-0304 Additional Fittings (40 05 23 43-0232)		
40 05 23 43-0305 EA 1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	82.52	36.26
For Work In Restricted Working Space, Add	21.76	
40 05 23 43-0306 EA 3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	97.14	43.30
For Work In Restricted Working Space, Add	25.98	
40 05 23 43-0307 EA 1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	135.18	49.25
For Work In Restricted Working Space, Add	29.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	40 05 23	43-0308	EA	1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	158.87 32.48	54.13	
	40 05 23	43-0309	EA	1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	158.87 32.48	54.13	
	40 05 23	43-0310	EA	2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	196.51 35.73	59.54	
40 05 23	43-0311	Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>					
40 05 23	43-0312	Pipe <small>(40 05 23 43-0311)</small>					
	40 05 23	43-0313	LF	1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	15.03 2.72	4.54	
	40 05 23	43-0314	LF	3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	17.94 3.33	5.54	
	40 05 23	43-0315	LF	1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	21.29 3.90	6.55	
	40 05 23	43-0316	LF	1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	25.72 4.88	8.16	
	40 05 23	43-0317	LF	1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	29.23 5.50	9.18	
	40 05 23	43-0318	LF	2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	36.38 6.81	11.39	
	40 05 23	43-0319	LF	2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	44.98 7.78	13.00	
	40 05 23	43-0320	LF	3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	52.17 8.77	14.62	
	40 05 23	43-0321	LF	4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	63.91 10.37	17.33	
	40 05 23	43-0322	LF	6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	99.78 13.62	22.78	
	40 05 23	43-0323	LF	8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	162.83 23.87	37.15	
	40 05 23	43-0324	LF	10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	204.79 26.26	40.84	
	40 05 23	43-0325	LF	12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	233.38 29.17	45.41	
	40 05 23	43-0326	LF	14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	284.25 32.82	51.05	
	40 05 23	43-0327	LF	16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	314.27 37.51	58.34	
	40 05 23	43-0328	LF	18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	353.73 43.76	68.07	
	40 05 23	43-0329	LF	20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	467.20 52.51	81.68	
	40 05 23	43-0330	LF	24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	606.27 65.64	102.10	
40 05 23	43-0331	90 Degree Elbows <small>(40 05 23 43-0311)</small>					
	40 05 23	43-0332	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	128.43 34.47	57.45	
	40 05 23	43-0333	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	136.20 36.59	60.98	
	40 05 23	43-0334	EA	1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.52 40.21	67.02	
	40 05 23	43-0335	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	170.94 43.85	73.07	
	40 05 23	43-0336	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	180.59 48.33	80.63	
	40 05 23	43-0337	EA	2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	205.58 53.84	89.70	
	40 05 23	43-0338	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	266.66 68.84	114.89	
	40 05 23	43-0339	EA	3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	315.54 80.59	134.54	
	40 05 23	43-0340	EA	4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	408.54 96.54	161.26	
	40 05 23	43-0341	EA	6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	650.36 120.75	201.57	
	40 05 23	43-0342	EA	8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,046.48 187.53	291.71	
	40 05 23	43-0343	EA	10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,701.00 250.04	388.96	
	40 05 23	43-0344	EA	12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,622.32 375.06	583.43	
	40 05 23	43-0345	EA	14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,310.49 437.57	680.67	
	40 05 23	43-0346	EA	16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,078.69 499.13	777.91	
	40 05 23	43-0347	EA	18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,189.09 625.11	972.38	
	40 05 23	43-0348	EA	20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,405.60 875.15	1,361.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	11,691.86 1,250.21	1,944.78
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	134.37 34.47	57.45
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	141.43 36.59	60.98
40 05 23 43-0353 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	155.98 40.21	67.02
40 05 23 43-0354 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	183.25 43.82	73.07
40 05 23 43-0355 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	181.23 48.39	80.63
40 05 23 43-0356 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	202.39 53.84	89.70
40 05 23 43-0357 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	267.74 68.90	114.89
40 05 23 43-0358 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	308.14 80.76	134.54
40 05 23 43-0359 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	391.25 96.66	161.26
40 05 23 43-0360 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	551.87 120.95	201.57
40 05 23 43-0361 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	885.37 187.53	291.71
40 05 23 43-0362 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,417.72 250.04	388.96
40 05 23 43-0363 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,179.70 375.06	583.43
40 05 23 43-0364 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,690.82 437.57	680.67
40 05 23 43-0365 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,283.76 499.13	777.91
40 05 23 43-0366 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,447.26 625.11	972.38
40 05 23 43-0367 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,440.70 875.15	1,361.34
40 05 23 43-0368 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,124.99 1,250.21	1,944.78
40 05 23 43-0369 Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370 EA 1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	200.90 43.81	73.07
40 05 23 43-0371 EA 3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	234.13 53.78	89.70
40 05 23 43-0372 EA 1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	253.64 60.42	100.78
40 05 23 43-0373 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	319.09 68.90	114.89
40 05 23 43-0374 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	298.77 73.96	123.47
40 05 23 43-0375 EA 2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	323.79 80.67	134.54
40 05 23 43-0376 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	478.00 96.66	161.26
40 05 23 43-0377 EA 3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	505.59 121.14	201.57
40 05 23 43-0378 EA 4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	596.59 135.95	226.77
40 05 23 43-0379 EA 6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,037.99 181.27	302.35
40 05 23 43-0380 EA 8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,824.93 250.04	388.96
40 05 23 43-0381 EA 10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,808.22 375.06	583.43
40 05 23 43-0382 EA 12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,554.53 468.83	729.29
40 05 23 43-0383 EA 14" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,485.89 563.40	875.15
40 05 23 43-0384 EA 16" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,074.14 687.29	1,069.63
40 05 23 43-0385 EA 18" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,236.78 875.15	1,361.34
40 05 23 43-0386 EA 20" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,291.41 1,151.51	1,798.92
40 05 23 43-0387 EA 24" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	14,231.65 1,750.30	2,722.69
40 05 23 43-0388 Reducers <small>(40 05 23 43-0311)</small>		



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304.....	137.28	55.43
<i>For Work In Restricted Working Space, Add</i>	33.28	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304.....	151.32	60.47
<i>For Work In Restricted Working Space, Add</i>	36.27	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	181.52	67.02
<i>For Work In Restricted Working Space, Add</i>	40.21	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	166.41	73.07
<i>For Work In Restricted Working Space, Add</i>	43.82	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304.....	183.34	80.63
<i>For Work In Restricted Working Space, Add</i>	48.39	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	234.96	100.78
<i>For Work In Restricted Working Space, Add</i>	60.47	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304.....	262.53	114.89
<i>For Work In Restricted Working Space, Add</i>	68.84	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304.....	306.19	134.54
<i>For Work In Restricted Working Space, Add</i>	80.67	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304.....	393.18	171.34
<i>For Work In Restricted Working Space, Add</i>	102.70	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304.....	733.12	233.37
<i>For Work In Restricted Working Space, Add</i>	150.03	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304.....	949.22	291.71
<i>For Work In Restricted Working Space, Add</i>	187.53	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304.....	1,262.58	388.96
<i>For Work In Restricted Working Space, Add</i>	250.04	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304.....	1,672.68	510.50
<i>For Work In Restricted Working Space, Add</i>	328.18	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304.....	1,968.01	583.43
<i>For Work In Restricted Working Space, Add</i>	374.00	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304.....	2,451.32	729.29
<i>For Work In Restricted Working Space, Add</i>	468.83	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304.....	3,622.14	972.38
<i>For Work In Restricted Working Space, Add</i>	625.11	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304.....	5,633.03	1,458.58
<i>For Work In Restricted Working Space, Add</i>	937.66	
40 05 23 43-0406 Weld Neck Flanges (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	73.19	23.18
<i>For Work In Restricted Working Space, Add</i>	13.91	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	77.22	25.20
<i>For Work In Restricted Working Space, Add</i>	15.12	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	94.36	33.76
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304.....	103.61	35.28
<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	119.95	40.31
<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	141.58	45.35
<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	190.05	57.95
<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	211.70	67.02
<i>For Work In Restricted Working Space, Add</i>	40.19	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	289.53	90.71
<i>For Work In Restricted Working Space, Add</i>	54.42	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	436.89	134.54
<i>For Work In Restricted Working Space, Add</i>	80.67	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304.....	733.76	145.86
<i>For Work In Restricted Working Space, Add</i>	93.77	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,094.14	170.17
<i>For Work In Restricted Working Space, Add</i>	109.40	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,493.91	194.47
<i>For Work In Restricted Working Space, Add</i>	125.02	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304.....	1,973.40	243.09
<i>For Work In Restricted Working Space, Add</i>	156.28	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,622.27	291.71
<i>For Work In Restricted Working Space, Add</i>	187.53	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,743.92	340.34
<i>For Work In Restricted Working Space, Add</i>	218.79	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,753.38	413.26
<i>For Work In Restricted Working Space, Add</i>	265.73	
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304	8,211.72	534.82
<i>For Work In Restricted Working Space, Add</i>	343.65	
40 05 23 43-0425 Slip-On Flanges (40 05 23 43-0311)		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304.....	128.71	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304	132.47	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304.....	157.96	61.98
<i>For Work In Restricted Working Space, Add</i>	37.20	
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304.....	173.35	67.02
<i>For Work In Restricted Working Space, Add</i>	40.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0430 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	192.76 44.15	73.57
40 05 23 43-0431 EA 2" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	221.87 48.33	80.63
40 05 23 43-0432 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	268.97 54.42	90.71
40 05 23 43-0433 EA 3" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	295.24 60.42	100.78
40 05 23 43-0434 EA 4" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	401.42 81.02	135.05
40 05 23 43-0435 EA 6" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	606.22 120.75	201.57
40 05 23 43-0436 EA 8" Flange, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,574.91 187.53	291.71
40 05 23 43-0437 Caps (40 05 23 43-0311)		
40 05 23 43-0438 EA 1/2" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	64.19 13.91	23.18
40 05 23 43-0439 EA 3/4" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	70.69 15.12	25.20
40 05 23 43-0440 EA 1" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	89.64 19.96	33.25
40 05 23 43-0441 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	96.42 21.16	35.28
40 05 23 43-0442 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.36 24.19	40.31
40 05 23 43-0443 EA 2" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	119.29 27.19	45.35
40 05 23 43-0444 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.18 34.77	57.95
40 05 23 43-0445 EA 3" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	170.93 40.19	67.02
40 05 23 43-0446 EA 4" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	244.05 53.80	89.70
40 05 23 43-0447 EA 6" Cap, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	335.46 80.67	134.54
40 05 23 43-0448 Reducing Tees (40 05 23 43-0311)		
40 05 23 43-0449 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	171.40 36.60	73.07
40 05 23 43-0450 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	198.91 44.85	89.70
40 05 23 43-0451 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	234.10 50.39	100.78
40 05 23 43-0452 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	239.40 57.45	114.89
40 05 23 43-0453 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	259.93 61.73	123.47
40 05 23 43-0454 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	359.64 67.28	134.54
40 05 23 43-0455 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	362.52 80.64	161.26
40 05 23 43-0456 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	471.34 100.79	201.57
40 05 23 43-0457 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	790.03 115.16	230.29
40 05 23 43-0458 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 304L..... <i>For Work In Restricted Working Space, Add</i>	1,371.26 156.28	291.71
40 05 23 43-0459 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,173.42 208.37	388.96
40 05 23 43-0460 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,933.12 312.56	583.43
40 05 23 43-0461 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,719.88 375.49	701.09
40 05 23 43-0462 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,169.98 458.03	855.22
40 05 23 43-0463 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,100.37 583.43	1,089.07
40 05 23 43-0464 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,734.93 767.68	1,432.81
40 05 23 43-0465 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	11,861.52 1,165.83	2,177.18
40 05 23 43-0466 Type 304 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0467 Pipe (40 05 23 43-0466)		
40 05 23 43-0468 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	15.17 2.72	4.54
40 05 23 43-0469 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	18.15 3.33	5.54



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0470	LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....23.52 3.90		6.55
40 05 23 43-0471	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....28.84 4.88		8.16
40 05 23 43-0472	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....32.15 5.50		9.18
40 05 23 43-0473	LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....39.78 6.81		11.39
40 05 23 43-0474	LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....47.19 7.78		13.00
40 05 23 43-0475	LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....55.26 8.77		14.62
40 05 23 43-0476	LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....68.74 10.37		17.33
40 05 23 43-0477	LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	.....98.72 13.62		22.78
40 05 23 43-0478	LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....161.21 23.87		37.15
40 05 23 43-0479	LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....202.50 26.26		40.84
40 05 23 43-0480	LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....240.54 29.17		45.41
40 05 23 43-0481	LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....293.46 32.82		51.05
40 05 23 43-0482	LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....324.23 37.51		58.34
40 05 23 43-0483	LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....364.67 43.76		68.07
40 05 23 43-0484	LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....499.65 52.51		81.68
40 05 23 43-0485	LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	.....649.33 65.64		102.10
40 05 23 43-0486 90 Degree Elbows (40 05 23 43-0466)				
40 05 23 43-0487	EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....125.77 34.47		57.45
40 05 23 43-0488	EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....132.83 36.59		60.98
40 05 23 43-0489	EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....144.92 40.21		67.02
40 05 23 43-0490	EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....162.02 43.86		73.07
40 05 23 43-0491	EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....181.38 48.34		80.63
40 05 23 43-0492	EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....200.75 53.85		89.70
40 05 23 43-0493	EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....259.64 68.86		114.89
40 05 23 43-0494	EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....306.68 60.62		134.54
40 05 23 43-0495	EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....392.84 96.60		161.26
40 05 23 43-0496	EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....604.68 120.69		201.57
40 05 23 43-0497	EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....1,086.87 187.53		291.71
40 05 23 43-0498	EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....1,690.10 250.04		388.96
40 05 23 43-0499	EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....2,594.07 375.06		583.43
40 05 23 43-0500	EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....3,275.98 437.57		680.67
40 05 23 43-0501	EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....4,033.11 499.13		777.91
40 05 23 43-0502	EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....5,126.97 625.11		972.38
40 05 23 43-0503	EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....8,308.29 875.15		1,361.34
40 05 23 43-0504	EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....11,549.14 1,250.21		1,944.78
40 05 23 43-0505 45 Degree Elbows (40 05 23 43-0466)				
40 05 23 43-0506	EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....130.23 34.47		57.45
40 05 23 43-0507	EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....137.29 36.59		60.98
40 05 23 43-0508	EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....149.38 40.21		67.02
40 05 23 43-0509	EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....163.24 43.82		73.07
40 05 23 43-0510	EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	.....178.86 48.40		80.63

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0511 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	208.68 53.85	89.70
40 05 23 43-0512 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	259.13 68.91	114.89
40 05 23 43-0513 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	299.73 80.72	134.54
40 05 23 43-0514 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	376.22 96.68	161.26
40 05 23 43-0515 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	518.39 120.95	201.57
40 05 23 43-0516 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	977.79 187.53	291.71
40 05 23 43-0517 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,414.45 250.04	388.96
40 05 23 43-0518 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,176.92 375.06	583.43
40 05 23 43-0519 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,687.17 437.57	680.67
40 05 23 43-0520 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,278.49 499.13	777.91
40 05 23 43-0521 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,440.34 625.11	972.38
40 05 23 43-0522 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,431.33 875.15	1,361.34
40 05 23 43-0523 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,105.50 1,250.21	1,944.78
40 05 23 43-0524 Tees <small>(40 05 23 43-0466)</small>		
40 05 23 43-0525 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	182.51 43.81	73.07
40 05 23 43-0526 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	215.74 53.78	89.70
40 05 23 43-0527 EA 1" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	237.90 60.42	100.78
40 05 23 43-0528 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	269.93 68.94	114.89
40 05 23 43-0529 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	287.99 73.99	123.47
40 05 23 43-0530 EA 2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	333.40 80.68	134.54
40 05 23 43-0531 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	401.34 96.68	161.26
40 05 23 43-0532 EA 3" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	515.55 121.10	201.57
40 05 23 43-0533 EA 4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	574.72 135.93	226.77
40 05 23 43-0534 EA 6" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	942.79 181.40	302.35
40 05 23 43-0535 EA 8" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,480.09 250.04	388.96
40 05 23 43-0536 EA 10" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,178.98 375.06	583.43
40 05 23 43-0537 EA 12" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,575.08 468.83	729.29
40 05 23 43-0538 EA 14" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,514.66 563.40	875.15
40 05 23 43-0539 EA 16" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,103.06 687.29	1,069.63
40 05 23 43-0540 EA 18" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,271.03 875.15	1,361.34
40 05 23 43-0541 EA 20" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,348.22 1,151.51	1,798.92
40 05 23 43-0542 EA 24" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	14,318.68 1,750.30	2,722.69
40 05 23 43-0543 Reducers <small>(40 05 23 43-0466)</small>		
40 05 23 43-0544 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	138.67 33.28	55.43
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	152.94 36.28	60.47
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	184.02 40.21	67.02
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	167.44 43.81	73.07
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	184.46 48.38	80.63
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	236.69 60.46	100.78
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	264.30 68.86	114.89
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	308.15 80.67	134.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	395.90 <i>102.72</i>	171.34
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	745.39 <i>150.03</i>	233.37
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	966.27 <i>187.53</i>	291.71
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,285.16 <i>250.04</i>	388.96
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,703.14 <i>328.18</i>	510.50
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,007.05 <i>374.32</i>	583.43
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,498.09 <i>468.83</i>	729.29
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,703.12 <i>625.11</i>	972.38
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,765.00 <i>937.66</i>	1,458.58
 40 05 23 43-0561 Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	74.60 <i>13.91</i>	23.18
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	78.63 <i>15.12</i>	25.20
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	95.77 <i>20.27</i>	33.76
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.35 <i>21.16</i>	35.28
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.02 <i>24.19</i>	40.31
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.27 <i>27.20</i>	45.35
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	193.97 <i>34.77</i>	57.95
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	215.78 <i>40.18</i>	67.02
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	295.25 <i>54.43</i>	90.71
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	445.68 <i>80.66</i>	134.54
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	755.92 <i>93.77</i>	145.86
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,132.53 <i>109.40</i>	170.17
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,550.61 <i>125.02</i>	194.47
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,049.85 <i>156.28</i>	243.09
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,727.39 <i>187.53</i>	291.71
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,849.96 <i>218.79</i>	340.34
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,904.30 <i>265.73</i>	413.26
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,583.62 <i>343.65</i>	534.82
 40 05 23 43-0580 Slip-On Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	130.18 <i>30.24</i>	50.40
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	134.14 <i>30.24</i>	50.40
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	159.74 <i>37.20</i>	61.98
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	175.41 <i>40.21</i>	67.02
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	195.14 <i>44.15</i>	73.57
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	225.12 <i>48.35</i>	80.63
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	273.61 <i>54.43</i>	90.71
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	300.20 <i>60.43</i>	100.78
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	408.39 <i>81.04</i>	135.05
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	617.21 <i>120.83</i>	201.57
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,624.90 <i>187.53</i>	291.71

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0592 Caps (40 05 23 43-0466)		
40 05 23 43-0593 EA 1/2" Cap, Stainless Steel Schedule 10 Type 304.....	65.13	23.18
For Work In Restricted Working Space, Add	13.91	
40 05 23 43-0594 EA 3/4" Cap, Stainless Steel Schedule 10 Type 304.....	71.76	25.20
For Work In Restricted Working Space, Add	15.12	
40 05 23 43-0595 EA 1" Cap, Stainless Steel Schedule 10 Type 304.....	90.86	33.25
For Work In Restricted Working Space, Add	19.96	
40 05 23 43-0596 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 304	97.78	35.28
For Work In Restricted Working Space, Add	21.16	
40 05 23 43-0597 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 304	109.83	40.31
For Work In Restricted Working Space, Add	24.19	
40 05 23 43-0598 EA 2" Cap, Stainless Steel Schedule 10 Type 304.....	120.81	45.35
For Work In Restricted Working Space, Add	27.20	
40 05 23 43-0599 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 304	150.94	57.95
For Work In Restricted Working Space, Add	34.77	
40 05 23 43-0600 EA 3" Cap, Stainless Steel Schedule 10 Type 304.....	172.86	67.02
For Work In Restricted Working Space, Add	40.18	
40 05 23 43-0601 EA 4" Cap, Stainless Steel Schedule 10 Type 304.....	247.51	89.70
For Work In Restricted Working Space, Add	53.82	
40 05 23 43-0602 EA 6" Cap, Stainless Steel Schedule 10 Type 304.....	338.91	134.54
For Work In Restricted Working Space, Add	80.66	
40 05 23 43-0603 Reducing Tees (40 05 23 43-0466)		
40 05 23 43-0604 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304	175.31	73.07
For Work In Restricted Working Space, Add	36.60	
40 05 23 43-0605 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 304	216.24	89.70
For Work In Restricted Working Space, Add	44.85	
40 05 23 43-0606 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	241.45	100.78
For Work In Restricted Working Space, Add	50.39	
40 05 23 43-0607 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	271.72	114.89
For Work In Restricted Working Space, Add	57.45	
40 05 23 43-0608 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 304	299.95	123.47
For Work In Restricted Working Space, Add	61.73	
40 05 23 43-0609 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	413.21	134.54
For Work In Restricted Working Space, Add	67.28	
40 05 23 43-0610 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 304	432.29	161.26
For Work In Restricted Working Space, Add	80.64	
40 05 23 43-0611 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 304	536.16	201.57
For Work In Restricted Working Space, Add	100.79	
40 05 23 43-0612 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 304	877.91	230.29
For Work In Restricted Working Space, Add	115.16	
40 05 23 43-0613 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	1,465.74	291.71
For Work In Restricted Working Space, Add	156.28	
40 05 23 43-0614 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	3,019.08	388.96
For Work In Restricted Working Space, Add	208.37	
40 05 23 43-0615 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 304	3,982.19	583.43
For Work In Restricted Working Space, Add	312.56	
40 05 23 43-0616 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	5,104.24	701.09
For Work In Restricted Working Space, Add	375.49	
40 05 23 43-0617 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 304	5,635.72	855.22
For Work In Restricted Working Space, Add	458.03	
40 05 23 43-0618 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 304	6,845.35	1,089.07
For Work In Restricted Working Space, Add	583.43	
40 05 23 43-0619 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	9,087.98	1,433.01
For Work In Restricted Working Space, Add	767.68	
40 05 23 43-0620 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	13,620.14	2,176.98
For Work In Restricted Working Space, Add	1,165.83	
40 05 23 43-0621 Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0622 Pipe (40 05 23 43-0621)		
40 05 23 43-0623 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	16.67	4.54
For Work In Restricted Working Space, Add	2.72	
40 05 23 43-0624 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	20.28	5.54
For Work In Restricted Working Space, Add	3.33	
40 05 23 43-0625 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	24.66	6.55
For Work In Restricted Working Space, Add	3.90	
40 05 23 43-0626 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	30.84	8.07
For Work In Restricted Working Space, Add	4.88	
40 05 23 43-0627 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	35.40	9.07
For Work In Restricted Working Space, Add	5.50	
40 05 23 43-0628 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	45.13	11.59
For Work In Restricted Working Space, Add	6.81	
40 05 23 43-0629 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	55.35	13.10
For Work In Restricted Working Space, Add	7.78	
40 05 23 43-0630 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	55.11	14.62
For Work In Restricted Working Space, Add	8.77	
40 05 23 43-0631 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	86.94	17.13
For Work In Restricted Working Space, Add	10.37	
40 05 23 43-0632 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting	132.88	22.68
For Work In Restricted Working Space, Add	13.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	229.53 23.87	36.95
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	287.48 26.26	40.84
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	355.52 29.17	45.22
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	130.65 34.47	57.45
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	137.71 36.59	60.98
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	151.92 40.21	67.02
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	172.92 43.86	73.07
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	183.45 48.34	80.63
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	209.24 53.85	89.70
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	291.51 68.86	114.89
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	352.83 80.62	134.54
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	470.72 96.60	161.26
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	898.03 120.69	201.57
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,457.23 187.53	291.71
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,595.08 250.04	388.96
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,684.60 375.06	583.43
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	137.20 34.47	57.45
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.26 36.59	60.98
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	156.35 40.21	67.02
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	168.39 43.82	73.07
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	191.06 48.40	80.63
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	210.75 53.85	89.70
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	289.02 68.91	114.89
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	328.39 80.72	134.54
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	426.74 96.68	161.26
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	700.59 120.95	201.57
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,173.95 187.53	291.71
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,886.90 250.04	388.96
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,613.47 375.06	583.43
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	198.25 43.81	73.07
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	231.48 53.78	89.70
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	253.64 60.42	100.78
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	313.89 68.94	114.89
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	298.87 73.99	123.47
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	323.82 80.68	134.54
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	471.00 96.68	161.26
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	522.27 121.10	201.57

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304	614.20	226.77
For Work In Restricted Working Space, Add	135.93	
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304	1,088.01	302.35
For Work In Restricted Working Space, Add	181.40	
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304	2,134.76	388.96
For Work In Restricted Working Space, Add	250.04	
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,728.86	583.43
For Work In Restricted Working Space, Add	375.06	
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,661.07	729.29
For Work In Restricted Working Space, Add	468.83	
40 05 23 43-0678 Reducers (40 05 23 43-0621)		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	142.00	55.43
For Work In Restricted Working Space, Add	33.28	
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	156.77	60.47
For Work In Restricted Working Space, Add	36.27	
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	190.02	67.02
For Work In Restricted Working Space, Add	40.21	
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	170.05	73.07
For Work In Restricted Working Space, Add	43.82	
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	187.28	80.63
For Work In Restricted Working Space, Add	48.39	
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	240.94	100.78
For Work In Restricted Working Space, Add	60.47	
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	268.44	114.89
For Work In Restricted Working Space, Add	68.84	
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	312.86	134.54
For Work In Restricted Working Space, Add	80.67	
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	402.28	171.34
For Work In Restricted Working Space, Add	102.70	
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	774.82	233.37
For Work In Restricted Working Space, Add	150.03	
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	1,007.21	291.71
For Work In Restricted Working Space, Add	187.53	
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,339.37	388.96
For Work In Restricted Working Space, Add	250.04	
40 05 23 43-0691 Flanges (40 05 23 43-0621)		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	77.98	23.18
For Work In Restricted Working Space, Add	13.91	
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	82.01	25.20
For Work In Restricted Working Space, Add	15.12	
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	99.15	33.76
For Work In Restricted Working Space, Add	20.27	
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	109.53	35.28
For Work In Restricted Working Space, Add	21.16	
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	126.98	40.31
For Work In Restricted Working Space, Add	24.19	
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	150.71	45.35
For Work In Restricted Working Space, Add	27.20	
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	203.33	57.95
For Work In Restricted Working Space, Add	34.77	
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	225.60	67.02
For Work In Restricted Working Space, Add	40.18	
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	308.91	90.71
For Work In Restricted Working Space, Add	54.43	
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	466.89	134.54
For Work In Restricted Working Space, Add	80.66	
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304	809.13	145.86
For Work In Restricted Working Space, Add	93.77	
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,224.68	170.17
For Work In Restricted Working Space, Add	109.40	
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304	1,686.67	194.47
For Work In Restricted Working Space, Add	125.02	
40 05 23 43-0705 Slip-On Flanges (40 05 23 43-0621)		
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	133.70	50.40
For Work In Restricted Working Space, Add	30.24	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	138.14	50.40
For Work In Restricted Working Space, Add	30.24	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	164.03	61.98
For Work In Restricted Working Space, Add	37.20	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	180.37	67.02
For Work In Restricted Working Space, Add	40.21	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	200.90	73.57
For Work In Restricted Working Space, Add	44.15	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	232.79	80.63
For Work In Restricted Working Space, Add	48.35	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	284.67	90.71
For Work In Restricted Working Space, Add	54.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	312.05 60.43	100.78
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	424.99 81.04	135.05
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	642.94 120.83	201.57
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,744.88 187.53	291.71
40 05 23 43-0717 Caps <small>(40 05 23 43-0621)</small>		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	67.38 13.91	23.18
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	74.32 15.12	25.20
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.78 19.96	33.25
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	101.05 21.16	35.28
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	113.33 24.19	40.31
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	124.43 27.20	45.35
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	155.14 34.77	57.95
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	177.53 40.18	67.02
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	255.68 53.82	89.70
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	347.31 80.66	134.54
40 05 23 43-0728 Reducing Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	179.11 36.50	73.07
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	206.79 44.80	89.70
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	225.29 50.35	100.78
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	283.91 57.42	114.89
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	262.90 61.64	123.47
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	284.46 67.23	134.54
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	432.09 80.55	161.26
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	466.97 100.95	201.57
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	554.86 113.29	226.77
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,035.20 151.06	302.35
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,125.98 208.37	388.96
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,768.37 312.56	583.43
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,710.45 390.69	729.29
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0743 Pipe <small>(40 05 23 43-0742)</small>		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	16.50 2.79	4.65
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	19.76 3.49	5.84
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	24.69 4.19	7.04
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	29.89 4.88	8.12
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	34.62 5.55	9.20
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	44.44 6.98	11.69
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	59.36 8.33	13.85
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	77.03 10.48	17.43
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	103.09 13.82	23.06

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	43-0753		90 Degree Elbows <small>(40 05 23 43-0742)</small>		
	43-0754	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	45.82	17.43
			<i>For Work In Restricted Working Space, Add</i>	10.48	
	43-0755	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	59.78	23.06
			<i>For Work In Restricted Working Space, Add</i>	13.82	
	43-0756	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	74.63	29.23
			<i>For Work In Restricted Working Space, Add</i>	17.56	
	43-0757	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	106.75	40.05
			<i>For Work In Restricted Working Space, Add</i>	24.06	
	43-0758	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	122.19	47.09
			<i>For Work In Restricted Working Space, Add</i>	28.24	
	43-0759	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	157.50	56.95
			<i>For Work In Restricted Working Space, Add</i>	34.19	
	43-0760	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	286.15	90.18
			<i>For Work In Restricted Working Space, Add</i>	54.13	
	43-0761	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	373.30	116.38
			<i>For Work In Restricted Working Space, Add</i>	69.82	
	43-0762	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	555.91	144.31
			<i>For Work In Restricted Working Space, Add</i>	86.57	
40 05 23	43-0763		45 Degree Elbows <small>(40 05 23 43-0742)</small>		
	43-0764	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	49.66	17.43
			<i>For Work In Restricted Working Space, Add</i>	10.48	
	43-0765	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	64.24	23.06
			<i>For Work In Restricted Working Space, Add</i>	13.82	
	43-0766	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	76.87	29.23
			<i>For Work In Restricted Working Space, Add</i>	17.56	
	43-0767	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	104.49	40.05
			<i>For Work In Restricted Working Space, Add</i>	24.06	
	43-0768	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	123.34	47.09
			<i>For Work In Restricted Working Space, Add</i>	28.24	
	43-0769	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	156.54	56.95
			<i>For Work In Restricted Working Space, Add</i>	34.19	
	43-0770	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	319.37	90.18
			<i>For Work In Restricted Working Space, Add</i>	54.13	
	43-0771	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	436.98	116.38
			<i>For Work In Restricted Working Space, Add</i>	69.85	
	43-0772	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	657.53	144.31
			<i>For Work In Restricted Working Space, Add</i>	86.61	
40 05 23	43-0773		Tees <small>(40 05 23 43-0742)</small>		
	43-0774	EA	1/2" Tee, Stainless Steel Schedule 40 Type 316.....	68.23	26.41
			<i>For Work In Restricted Working Space, Add</i>	15.84	
	43-0775	EA	3/4" Tee, Stainless Steel Schedule 40 Type 316.....	88.88	34.97
			<i>For Work In Restricted Working Space, Add</i>	20.95	
	43-0776	EA	1" Tee, Stainless Steel Schedule 40 Type 316.....	106.67	43.30
			<i>For Work In Restricted Working Space, Add</i>	25.98	
	43-0777	EA	1-1/4" Tee, Stainless Steel Schedule 40 Type 316.....	155.97	60.19
			<i>For Work In Restricted Working Space, Add</i>	36.09	
	43-0778	EA	1-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	177.04	67.66
			<i>For Work In Restricted Working Space, Add</i>	40.60	
	43-0779	EA	2" Tee, Stainless Steel Schedule 40 Type 316.....	237.07	90.18
			<i>For Work In Restricted Working Space, Add</i>	54.13	
	43-0780	EA	2-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	426.78	130.46
			<i>For Work In Restricted Working Space, Add</i>	78.26	
	43-0781	EA	3" Tee, Stainless Steel Schedule 40 Type 316.....	604.69	174.63
			<i>For Work In Restricted Working Space, Add</i>	104.77	
	43-0782	EA	4" Tee, Stainless Steel Schedule 40 Type 316.....	846.51	216.52
			<i>For Work In Restricted Working Space, Add</i>	129.91	
40 05 23	43-0783		Reducers <small>(40 05 23 43-0742)</small>		
	43-0784	EA	3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	56.21	23.06
			<i>For Work In Restricted Working Space, Add</i>	13.82	
	43-0785	EA	1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	74.97	29.23
			<i>For Work In Restricted Working Space, Add</i>	17.56	
	43-0786	EA	1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	105.18	40.05
			<i>For Work In Restricted Working Space, Add</i>	24.06	
	43-0787	EA	1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316.....	126.04	47.09
			<i>For Work In Restricted Working Space, Add</i>	28.24	
	43-0788	EA	2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	159.58	56.95
			<i>For Work In Restricted Working Space, Add</i>	34.19	
	43-0789	EA	2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	288.05	90.18
			<i>For Work In Restricted Working Space, Add</i>	54.13	
	43-0790	EA	3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	379.53	116.38
			<i>For Work In Restricted Working Space, Add</i>	69.85	
	43-0791	EA	4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	517.34	144.31
			<i>For Work In Restricted Working Space, Add</i>	86.61	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0792 Unions <small>(40 05 23 43-0742)</small>				
40 05 23 43-0793	EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....	74.55	26.41	
	<i>For Work In Restricted Working Space, Add</i>	15.84		
40 05 23 43-0794	EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....	97.55	34.97	
	<i>For Work In Restricted Working Space, Add</i>	20.95		
40 05 23 43-0795	EA 1" Union, Stainless Steel Schedule 40 Type 316.....	130.85	43.30	
	<i>For Work In Restricted Working Space, Add</i>	25.98		
40 05 23 43-0796	EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....	199.35	60.19	
	<i>For Work In Restricted Working Space, Add</i>	36.09		
40 05 23 43-0797	EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....	230.10	67.66	
	<i>For Work In Restricted Working Space, Add</i>	40.60		
40 05 23 43-0798	EA 2" Union, Stainless Steel Schedule 40 Type 316.....	305.64	90.18	
	<i>For Work In Restricted Working Space, Add</i>	54.13		
40 05 23 43-0799 Flanges <small>(40 05 23 43-0742)</small>				
40 05 23 43-0800	EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316.....	287.13	90.18	
	<i>For Work In Restricted Working Space, Add</i>	54.13		
40 05 23 43-0801	EA 3" Flange, Stainless Steel Schedule 40 Type 316.....	351.39	116.38	
	<i>For Work In Restricted Working Space, Add</i>	69.85		
40 05 23 43-0802	EA 4" Flange, Stainless Steel Schedule 40 Type 316.....	457.90	144.31	
	<i>For Work In Restricted Working Space, Add</i>	86.61		
40 05 23 43-0803 Caps <small>(40 05 23 43-0742)</small>				
40 05 23 43-0804	EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	21.40	8.77	
	<i>For Work In Restricted Working Space, Add</i>	5.24		
40 05 23 43-0805	EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	29.02	11.69	
	<i>For Work In Restricted Working Space, Add</i>	6.98		
40 05 23 43-0806	EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	37.28	14.40	
	<i>For Work In Restricted Working Space, Add</i>	8.66		
40 05 23 43-0807	EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	62.91	20.46	
	<i>For Work In Restricted Working Space, Add</i>	12.26		
40 05 23 43-0808	EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	71.56	23.06	
	<i>For Work In Restricted Working Space, Add</i>	13.82		
40 05 23 43-0809	EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	90.83	29.23	
	<i>For Work In Restricted Working Space, Add</i>	17.56		
40 05 23 43-0810	EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	138.63	43.30	
	<i>For Work In Restricted Working Space, Add</i>	25.98		
40 05 23 43-0811	EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	185.85	56.95	
	<i>For Work In Restricted Working Space, Add</i>	34.19		
40 05 23 43-0812	EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	277.23	72.21	
	<i>For Work In Restricted Working Space, Add</i>	43.30		
40 05 23 43-0813 Type 316 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>				
40 05 23 43-0814 Pipe <small>(40 05 23 43-0813)</small>				
40 05 23 43-0815	LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	17.17	4.54	
	<i>For Work In Restricted Working Space, Add</i>	2.72		
40 05 23 43-0816	LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	20.41	5.54	
	<i>For Work In Restricted Working Space, Add</i>	3.33		
40 05 23 43-0817	LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	24.27	6.55	
	<i>For Work In Restricted Working Space, Add</i>	3.90		
40 05 23 43-0818	LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	29.12	8.16	
	<i>For Work In Restricted Working Space, Add</i>	4.88		
40 05 23 43-0819	LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	33.16	9.18	
	<i>For Work In Restricted Working Space, Add</i>	5.50		
40 05 23 43-0820	LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	41.31	11.39	
	<i>For Work In Restricted Working Space, Add</i>	6.81		
40 05 23 43-0821	LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	51.83	13.00	
	<i>For Work In Restricted Working Space, Add</i>	7.78		
40 05 23 43-0822	LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	60.44	14.62	
	<i>For Work In Restricted Working Space, Add</i>	8.77		
40 05 23 43-0823	LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	74.46	17.33	
	<i>For Work In Restricted Working Space, Add</i>	10.37		
40 05 23 43-0824	LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	119.36	22.78	
	<i>For Work In Restricted Working Space, Add</i>	13.62		
40 05 23 43-0825	LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	192.81	37.15	
	<i>For Work In Restricted Working Space, Add</i>	23.87		
40 05 23 43-0826	LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	246.99	40.84	
	<i>For Work In Restricted Working Space, Add</i>	26.26		
40 05 23 43-0827	LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	282.38	45.41	
	<i>For Work In Restricted Working Space, Add</i>	29.17		
40 05 23 43-0828	LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	347.18	51.05	
	<i>For Work In Restricted Working Space, Add</i>	32.82		
40 05 23 43-0829	LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	382.39	58.34	
	<i>For Work In Restricted Working Space, Add</i>	37.51		
40 05 23 43-0830	LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	428.55	68.07	
	<i>For Work In Restricted Working Space, Add</i>	43.76		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0831	LF		20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	572.35 52.51	81.68
40 05 23 43-0832	LF		24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	745.73 65.64	102.10
40 05 23 43-0833			90 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0834	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	132.81 34.47	57.45
40 05 23 43-0835	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	140.80 36.59	60.98
40 05 23 43-0836	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	154.52 40.21	67.02
40 05 23 43-0837	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.94 43.85	73.07
40 05 23 43-0838	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	186.87 48.33	80.63
40 05 23 43-0839	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	214.01 53.84	89.70
40 05 23 43-0840	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	278.66 68.84	114.89
40 05 23 43-0841	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	330.69 80.59	134.54
40 05 23 43-0842	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	436.55 96.54	161.26
40 05 23 43-0843	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	730.38 120.75	201.57
40 05 23 43-0844	EA		8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,182.53 187.53	291.71
40 05 23 43-0845	EA		10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,981.10 250.04	388.96
40 05 23 43-0846	EA		12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,349.27 375.06	583.43
40 05 23 43-0847	EA		14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,908.42 437.57	680.67
40 05 23 43-0848	EA		16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,858.41 499.13	777.91
40 05 23 43-0849	EA		18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,191.74 625.11	972.38
40 05 23 43-0850	EA		20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,177.68 875.15	1,361.34
40 05 23 43-0851	EA		24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	14,121.32 1,250.21	1,944.78
40 05 23 43-0852			45 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0853	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	140.65 34.47	57.45
40 05 23 43-0854	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.71 36.59	60.98
40 05 23 43-0855	EA		1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	163.07 40.21	67.02
40 05 23 43-0856	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	195.25 43.82	73.07
40 05 23 43-0857	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	187.66 48.39	80.63
40 05 23 43-0858	EA		2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	209.79 53.84	89.70
40 05 23 43-0859	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	280.04 68.90	114.89
40 05 23 43-0860	EA		3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	320.72 80.76	134.54
40 05 23 43-0861	EA		4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	413.54 96.66	161.26
40 05 23 43-0862	EA		6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	599.89 120.95	201.57
40 05 23 43-0863	EA		8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	969.40 187.53	291.71
40 05 23 43-0864	EA		10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,606.36 250.04	388.96
40 05 23 43-0865	EA		12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,479.81 375.06	583.43
40 05 23 43-0866	EA		14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,088.68 437.57	680.67
40 05 23 43-0867	EA		16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,806.80 499.13	777.91
40 05 23 43-0868	EA		18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,210.40 625.11	972.38
40 05 23 43-0869	EA		20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,901.24 875.15	1,361.34
40 05 23 43-0870	EA		24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	12,048.56 1,250.21	1,944.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0871 Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0872 EA 1/2" Tees, Stainless Steel Schedule 5 Type 316.....	218.63	73.07
<i>For Work In Restricted Working Space, Add</i>	<i>43.81</i>	
40 05 23 43-0873 EA 3/4" Tees, Stainless Steel Schedule 5 Type 316.....	251.86	89.70
<i>For Work In Restricted Working Space, Add</i>	<i>53.78</i>	
40 05 23 43-0874 EA 1" Tees, Stainless Steel Schedule 5 Type 316.....	270.50	100.78
<i>For Work In Restricted Working Space, Add</i>	<i>60.42</i>	
40 05 23 43-0875 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 316.....	347.96	114.89
<i>For Work In Restricted Working Space, Add</i>	<i>68.90</i>	
40 05 23 43-0876 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	315.63	123.47
<i>For Work In Restricted Working Space, Add</i>	<i>73.96</i>	
40 05 23 43-0877 EA 2" Tees, Stainless Steel Schedule 5 Type 316.....	341.52	134.54
<i>For Work In Restricted Working Space, Add</i>	<i>80.67</i>	
40 05 23 43-0878 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	528.31	161.26
<i>For Work In Restricted Working Space, Add</i>	<i>96.66</i>	
40 05 23 43-0879 EA 3" Tees, Stainless Steel Schedule 5 Type 316.....	538.46	201.57
<i>For Work In Restricted Working Space, Add</i>	<i>121.14</i>	
40 05 23 43-0880 EA 4" Tees, Stainless Steel Schedule 5 Type 316.....	642.89	226.77
<i>For Work In Restricted Working Space, Add</i>	<i>135.95</i>	
40 05 23 43-0881 EA 6" Tees, Stainless Steel Schedule 5 Type 316.....	1,178.05	302.35
<i>For Work In Restricted Working Space, Add</i>	<i>181.27</i>	
40 05 23 43-0882 EA 8" Tee, Stainless Steel Schedule 5 Type 316.....	2,145.05	388.96
<i>For Work In Restricted Working Space, Add</i>	<i>250.04</i>	
40 05 23 43-0883 EA 10" Tee, Stainless Steel Schedule 5 Type 316.....	3,311.26	583.43
<i>For Work In Restricted Working Space, Add</i>	<i>375.06</i>	
40 05 23 43-0884 EA 12" Tee, Stainless Steel Schedule 5 Type 316.....	4,197.63	729.29
<i>For Work In Restricted Working Space, Add</i>	<i>468.83</i>	
40 05 23 43-0885 EA 14" Tee, Stainless Steel Schedule 5 Type 316.....	5,327.92	875.15
<i>For Work In Restricted Working Space, Add</i>	<i>563.40</i>	
40 05 23 43-0886 EA 16" Tee, Stainless Steel Schedule 5 Type 316.....	5,972.76	1,069.63
<i>For Work In Restricted Working Space, Add</i>	<i>687.29</i>	
40 05 23 43-0887 EA 18" Tee, Stainless Steel Schedule 5 Type 316.....	7,308.60	1,361.34
<i>For Work In Restricted Working Space, Add</i>	<i>875.15</i>	
40 05 23 43-0888 EA 20" Tee, Stainless Steel Schedule 5 Type 316.....	11,052.06	1,798.92
<i>For Work In Restricted Working Space, Add</i>	<i>1,151.51</i>	
40 05 23 43-0889 EA 24" Tee, Stainless Steel Schedule 5 Type 316.....	16,942.93	2,722.69
<i>For Work In Restricted Working Space, Add</i>	<i>1,750.30</i>	
40 05 23 43-0890 Reducers <small>(40 05 23 43-0813)</small>		
40 05 23 43-0891 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 316.....	145.79	55.43
<i>For Work In Restricted Working Space, Add</i>	<i>33.28</i>	
40 05 23 43-0892 EA 1" Reducer, Stainless Steel Schedule 5 Type 316.....	161.15	60.47
<i>For Work In Restricted Working Space, Add</i>	<i>36.27</i>	
40 05 23 43-0893 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 316.....	196.85	67.02
<i>For Work In Restricted Working Space, Add</i>	<i>40.21</i>	
40 05 23 43-0894 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	172.97	73.07
<i>For Work In Restricted Working Space, Add</i>	<i>43.82</i>	
40 05 23 43-0895 EA 2" Reducer, Stainless Steel Schedule 5 Type 316.....	190.45	80.63
<i>For Work In Restricted Working Space, Add</i>	<i>48.39</i>	
40 05 23 43-0896 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	245.74	100.78
<i>For Work In Restricted Working Space, Add</i>	<i>60.47</i>	
40 05 23 43-0897 EA 3" Reducer, Stainless Steel Schedule 5 Type 316.....	273.19	114.89
<i>For Work In Restricted Working Space, Add</i>	<i>68.84</i>	
40 05 23 43-0898 EA 4" Reducer, Stainless Steel Schedule 5 Type 316.....	318.23	134.54
<i>For Work In Restricted Working Space, Add</i>	<i>80.67</i>	
40 05 23 43-0899 EA 6" Reducer, Stainless Steel Schedule 5 Type 316.....	409.59	171.34
<i>For Work In Restricted Working Space, Add</i>	<i>102.70</i>	
40 05 23 43-0900 EA 8" Reducer, Stainless Steel Schedule 5 Type 316.....	808.36	233.37
<i>For Work In Restricted Working Space, Add</i>	<i>150.03</i>	
40 05 23 43-0901 EA 10" Reducer, Stainless Steel Schedule 5 Type 316.....	1,053.86	291.71
<i>For Work In Restricted Working Space, Add</i>	<i>187.53</i>	
40 05 23 43-0902 EA 12" Reducer, Stainless Steel Schedule 5 Type 316.....	1,401.13	388.96
<i>For Work In Restricted Working Space, Add</i>	<i>250.04</i>	
40 05 23 43-0903 EA 14" Reducer, Stainless Steel Schedule 5 Type 316.....	1,859.54	510.50
<i>For Work In Restricted Working Space, Add</i>	<i>328.18</i>	
40 05 23 43-0904 EA 16" Reducer, Stainless Steel Schedule 5 Type 316.....	2,200.92	583.43
<i>For Work In Restricted Working Space, Add</i>	<i>374.00</i>	
40 05 23 43-0905 EA 18" Reducer, Stainless Steel Schedule 5 Type 316.....	2,738.21	729.29
<i>For Work In Restricted Working Space, Add</i>	<i>468.83</i>	
40 05 23 43-0906 EA 20" Reducer, Stainless Steel Schedule 5 Type 316.....	4,118.87	972.38
<i>For Work In Restricted Working Space, Add</i>	<i>625.11</i>	
40 05 23 43-0907 EA 24" Reducer, Stainless Steel Schedule 5 Type 316.....	6,442.63	1,458.58
<i>For Work In Restricted Working Space, Add</i>	<i>937.66</i>	
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0909 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 316.....	80.42	23.18
<i>For Work In Restricted Working Space, Add</i>	<i>13.91</i>	
40 05 23 43-0910 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 316.....	84.45	25.20
<i>For Work In Restricted Working Space, Add</i>	<i>15.12</i>	
40 05 23 43-0911 EA 1" Flanges, Stainless Steel Schedule 5 Type 316.....	101.59	33.76
<i>For Work In Restricted Working Space, Add</i>	<i>20.27</i>	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316	112.54	35.28
<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316	130.56	40.31
<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316	155.34	45.35
<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316	210.07	57.95
<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316	232.69	67.02
<i>For Work In Restricted Working Space, Add</i>	40.19	
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316	318.72	90.71
<i>For Work In Restricted Working Space, Add</i>	54.42	
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316	482.24	134.54
<i>For Work In Restricted Working Space, Add</i>	80.67	
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316	847.46	145.86
<i>For Work In Restricted Working Space, Add</i>	93.77	
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316	1,291.07	170.17
<i>For Work In Restricted Working Space, Add</i>	109.40	
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316	1,784.71	194.47
<i>For Work In Restricted Working Space, Add</i>	125.02	
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316	2,365.51	243.09
<i>For Work In Restricted Working Space, Add</i>	156.28	
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316	3,161.43	291.71
<i>For Work In Restricted Working Space, Add</i>	187.53	
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316	3,287.79	340.34
<i>For Work In Restricted Working Space, Add</i>	218.79	
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316	4,527.51	413.26
<i>For Work In Restricted Working Space, Add</i>	265.73	
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316	10,119.32	534.82
<i>For Work In Restricted Working Space, Add</i>	343.65	
40 05 23 43-0927 Slip-On Flanges (40 05 23 43-0813)		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316	136.24	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316	141.02	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316	167.12	61.98
<i>For Work In Restricted Working Space, Add</i>	37.20	
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316	183.96	67.02
<i>For Work In Restricted Working Space, Add</i>	40.21	
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316	205.06	73.57
<i>For Work In Restricted Working Space, Add</i>	44.15	
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316	238.28	80.63
<i>For Work In Restricted Working Space, Add</i>	48.33	
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316	292.61	90.71
<i>For Work In Restricted Working Space, Add</i>	54.42	
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316	320.57	100.78
<i>For Work In Restricted Working Space, Add</i>	60.42	
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316	436.88	135.05
<i>For Work In Restricted Working Space, Add</i>	81.02	
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316	661.21	201.57
<i>For Work In Restricted Working Space, Add</i>	120.75	
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316	1,831.32	291.71
<i>For Work In Restricted Working Space, Add</i>	187.53	
40 05 23 43-0939 Caps (40 05 23 43-0813)		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316	69.00	23.18
<i>For Work In Restricted Working Space, Add</i>	13.91	
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316	76.17	25.20
<i>For Work In Restricted Working Space, Add</i>	15.12	
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316	95.88	33.25
<i>For Work In Restricted Working Space, Add</i>	19.96	
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316	103.41	35.28
<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316	115.85	40.31
<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316	127.03	45.35
<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0946 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 316	158.16	57.95
<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-0947 EA 3" Cap, Stainless Steel Schedule 5 Type 316	180.91	67.02
<i>For Work In Restricted Working Space, Add</i>	40.19	
40 05 23 43-0948 EA 4" Cap, Stainless Steel Schedule 5 Type 316	261.51	89.70
<i>For Work In Restricted Working Space, Add</i>	53.80	
40 05 23 43-0949 EA 6" Cap, Stainless Steel Schedule 5 Type 316	353.43	134.54
<i>For Work In Restricted Working Space, Add</i>	80.67	
40 05 23 43-0950 Reducing Tees (40 05 23 43-0813)		
40 05 23 43-0951 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316	187.34	73.07
<i>For Work In Restricted Working Space, Add</i>	36.60	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Stainless Steel Process Pipe and Tubing	40 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0952 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	214.86 44.85	89.70
40 05 23 43-0953 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	255.45 50.39	100.78
40 05 23 43-0954 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	254.86 57.45	114.89
40 05 23 43-0955 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	277.41 61.73	123.47
40 05 23 43-0956 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	403.35 67.28	134.54
40 05 23 43-0957 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	392.78 80.64	161.26
40 05 23 43-0958 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	515.05 100.79	201.57
40 05 23 43-0959 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	921.17 115.16	230.29
40 05 23 43-0960 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	1,645.82 156.28	291.71
40 05 23 43-0961 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	2,650.91 208.37	388.96
40 05 23 43-0962 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	3,543.77 312.56	583.43
40 05 23 43-0963 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	4,516.81 375.49	701.09
40 05 23 43-0964 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	5,023.40 458.03	855.22
40 05 23 43-0965 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	6,119.24 583.43	1,089.07
40 05 23 43-0966 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	9,406.13 767.68	1,432.81
40 05 23 43-0967 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 316 For Work In Restricted Working Space, Add	14,436.59 1,165.83	2,177.18
 40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0968)		
40 05 23 43-0968 Pipe (40 05 23 43-0968)		
40 05 23 43-0970 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	17.08 2.72	4.54
40 05 23 43-0971 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	20.36 3.33	5.54
40 05 23 43-0972 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	26.80 3.90	6.55
40 05 23 43-0973 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	32.77 4.88	8.16
40 05 23 43-0974 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	36.47 5.50	9.18
40 05 23 43-0975 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	45.11 6.81	11.39
40 05 23 43-0976 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	53.82 7.78	13.00
40 05 23 43-0977 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	63.39 8.77	14.62
40 05 23 43-0978 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	79.41 10.37	17.33
40 05 23 43-0979 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting For Work In Restricted Working Space, Add	115.37 13.62	22.78
40 05 23 43-0980 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	186.71 23.87	37.15
40 05 23 43-0981 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	238.40 26.26	40.84
40 05 23 43-0982 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	285.30 29.17	45.41
40 05 23 43-0983 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	350.94 32.82	51.05
40 05 23 43-0984 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	386.44 37.51	58.34
40 05 23 43-0985 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	433.00 43.76	68.07
40 05 23 43-0986 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	601.03 52.51	81.68
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting For Work In Restricted Working Space, Add	783.78 65.64	102.10
 40 05 23 43-0988 90 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 For Work In Restricted Working Space, Add	129.28 34.47	57.45
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 For Work In Restricted Working Space, Add	136.34 36.59	60.98
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 For Work In Restricted Working Space, Add	148.43 40.21	67.02
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316 For Work In Restricted Working Space, Add	167.13 43.86	73.07

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	187.91 48.34	80.63
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	207.61 53.85	89.70
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	269.37 68.86	114.89
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	318.93 80.62	134.54
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	415.71 96.60	161.26
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	670.03 120.69	201.57
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,235.96 187.53	291.71
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,966.68 250.04	388.96
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,027.97 375.06	583.43
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,862.78 437.57	680.67
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,798.11 499.13	777.91
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,109.57 625.11	972.38
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,048.95 875.15	1,361.34
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,932.52 1,250.21	1,944.78
40 05 23 43-1007 45 Degree Elbows <small>(40 05 23 43-0968)</small>		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	135.18 34.47	57.45
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	142.24 36.59	60.98
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	154.33 40.21	67.02
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	168.79 43.82	73.07
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	184.53 48.40	80.63
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	218.10 53.85	89.70
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	268.63 68.91	114.89
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	309.62 80.72	134.54
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	393.64 96.68	161.26
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	555.60 120.95	201.57
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,091.67 187.53	291.71
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,602.03 250.04	388.96
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,476.13 375.06	583.43
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,083.85 437.57	680.67
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,799.84 499.13	777.91
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,201.24 625.11	972.38
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,888.85 875.15	1,361.34
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	12,022.77 1,250.21	1,944.78
40 05 23 43-1026 Tees <small>(40 05 23 43-0968)</small>		
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	194.29 43.81	73.07
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	227.52 53.78	89.70
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	249.68 60.42	100.78
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	282.89 68.94	114.89
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	301.35 73.99	123.47
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	354.21 80.68	134.54
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	426.86 96.68	161.26



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 43-1034	EA 3" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	551.67 121.10	201.57
40 05 23 43-1035	EA 4" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	613.99 135.93	226.77
40 05 23 43-1036	EA 6" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,051.96 181.40	302.35
40 05 23 43-1037	EA 8" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,688.86 250.04	388.96
40 05 23 43-1038	EA 10" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,478.85 375.06	583.43
40 05 23 43-1039	EA 12" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,224.81 468.83	729.29
40 05 23 43-1040	EA 14" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,365.97 563.40	875.15
40 05 23 43-1041	EA 16" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,011.02 687.29	1,069.63
40 05 23 43-1042	EA 18" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	7,353.91 875.15	1,361.34
40 05 23 43-1043	EA 20" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	11,127.21 1,151.51	1,798.92
40 05 23 43-1044	EA 24" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	17,058.07 1,750.30	2,722.69
40 05 23 43-1045 Reducers (40 05 23 43-0968)			
40 05 23 43-1046	EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	147.62 33.28	55.43
40 05 23 43-1047	EA 1" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	163.28 36.28	60.47
40 05 23 43-1048	EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	200.16 40.21	67.02
40 05 23 43-1049	EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	174.35 43.81	73.07
40 05 23 43-1050	EA 2" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	191.95 48.38	80.63
40 05 23 43-1051	EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	248.04 60.46	100.78
40 05 23 43-1052	EA 3" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	275.54 68.86	114.89
40 05 23 43-1053	EA 4" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	320.83 80.67	134.54
40 05 23 43-1054	EA 6" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	413.18 102.72	171.34
40 05 23 43-1055	EA 8" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	824.59 150.03	233.37
40 05 23 43-1056	EA 10" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,076.43 187.53	291.71
40 05 23 43-1057	EA 12" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,431.00 250.04	388.96
40 05 23 43-1058	EA 14" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,899.83 328.18	510.50
40 05 23 43-1059	EA 16" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,252.22 374.32	583.43
40 05 23 43-1060	EA 18" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,800.08 468.83	729.29
40 05 23 43-1061	EA 20" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,225.99 625.11	972.38
40 05 23 43-1062	EA 24" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,617.21 937.66	1,458.58
40 05 23 43-1063 Flanges (40 05 23 43-0968)			
40 05 23 43-1064	EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	82.21 13.91	23.18
40 05 23 43-1065	EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	86.24 15.12	25.20
40 05 23 43-1066	EA 1" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	103.38 20.27	33.76
40 05 23 43-1067	EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	114.75 21.16	35.28
40 05 23 43-1068	EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	133.19 24.19	40.31
40 05 23 43-1069	EA 2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	158.75 27.20	45.35
40 05 23 43-1070	EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	215.04 34.77	57.95
40 05 23 43-1071	EA 3" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	237.88 40.18	67.02
40 05 23 43-1072	EA 4" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	325.98 54.43	90.71
40 05 23 43-1073	EA 6" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	493.41 80.66	134.54
40 05 23 43-1074	EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	875.62 93.77	145.86

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,339.83 109.40	170.17
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,856.71 125.02	194.47
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,462.60 156.28	243.09
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,294.92 187.53	291.71
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,422.45 218.79	340.34
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,719.18 265.73	413.26
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,591.62 343.65	534.82
40 05 23 43-1082 Slip-On Flanges (40 05 23 43-0968)		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.11 30.24	50.40
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	143.13 30.24	50.40
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	169.39 37.20	61.98
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	186.58 40.21	67.02
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	208.09 44.15	73.57
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	242.39 48.35	80.63
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	298.49 54.43	90.71
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	326.87 60.43	100.78
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	445.72 81.04	135.05
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	675.10 120.83	201.57
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,894.81 187.53	291.71
40 05 23 43-1094 Caps (40 05 23 43-0968)		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	70.19 13.91	23.18
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	77.52 15.12	25.20
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	97.43 19.96	33.25
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	105.14 21.16	35.28
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	117.71 24.19	40.31
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	128.96 27.20	45.35
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	160.39 34.77	57.95
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	183.37 40.18	67.02
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	265.90 53.82	89.70
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	357.82 80.66	134.54
40 05 23 43-1105 Reducing Tees (40 05 23 43-0968)		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	192.53 36.60	73.07
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	237.78 44.85	89.70
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	265.18 50.39	100.78
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	297.63 57.45	114.89
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	330.36 61.73	123.47
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	474.22 67.28	134.54
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	485.08 80.64	161.26
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	600.80 100.79	201.57
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,037.43 115.16	230.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,770.80 156.28	291.71
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,769.60 208.37	388.96
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,931.56 312.56	583.43
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,348.15 375.49	701.09
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,962.39 458.03	855.22
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,427.62 583.43	1,089.07
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,196.05 767.68	1,433.01
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	16,763.02 1,165.83	2,176.98
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-1124 Pipe <small>(40 05 23 43-1123)</small>		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	19.22 2.72	4.54
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	23.35 3.33	5.54
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	28.57 3.90	6.55
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	35.72 4.88	8.07
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	41.11 5.50	9.07
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	52.64 6.81	11.59
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	65.19 7.78	13.10
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	63.77 8.77	14.62
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	104.46 10.37	17.13
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	162.15 13.62	22.68
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	279.70 23.87	36.95
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	354.37 26.26	40.84
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	441.92 29.17	45.22
40 05 23 43-1138 90 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	135.73 34.47	57.45
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	142.79 36.59	60.98
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	157.70 40.21	67.02
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	181.56 43.86	73.07
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	190.65 48.34	80.63
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	218.85 53.85	89.70
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	311.51 68.86	114.89
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	379.98 80.62	134.54
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	518.74 96.60	161.26
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,058.09 120.69	201.57
40 05 23 43-1149 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,725.90 187.53	291.71
40 05 23 43-1150 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,163.86 250.04	388.96
40 05 23 43-1151 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,470.60 375.06	583.43
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1153 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	144.40 34.47	57.45
40 05 23 43-1154 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	151.46 36.59	60.98

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1155	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	163.55 40.21	67.02
40 05 23 43-1156	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	175.59 43.82	73.07
40 05 23 43-1157	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	200.67 48.40	80.63
40 05 23 43-1158	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	220.84 53.85	89.70
40 05 23 43-1159	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	308.17 68.91	114.89
40 05 23 43-1160	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.54 80.72	134.54
40 05 23 43-1161	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	460.46 96.68	161.26
40 05 23 43-1162	EA	6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	796.62 120.95	201.57
40 05 23 43-1163	EA	8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,351.16 187.53	291.71
40 05 23 43-1164	EA	10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,227.02 250.04	388.96
40 05 23 43-1165	EA	12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,053.63 375.06	583.43
40 05 23 43-1166 Tees <small>(40 05 23 43-1123)</small>				
40 05 23 43-1167	EA	1/2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	215.11 43.81	73.07
40 05 23 43-1168	EA	3/4" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	248.34 53.78	89.70
40 05 23 43-1169	EA	1" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	270.50 60.42	100.78
40 05 23 43-1170	EA	1-1/4" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	341.04 68.94	114.89
40 05 23 43-1171	EA	1-1/2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	315.73 73.99	123.47
40 05 23 43-1172	EA	2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	341.55 80.68	134.54
40 05 23 43-1173	EA	2-1/2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	519.02 96.68	161.26
40 05 23 43-1174	EA	3" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	560.57 121.10	201.57
40 05 23 43-1175	EA	4" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	666.22 135.93	226.77
40 05 23 43-1176	EA	6" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,244.06 181.40	302.35
40 05 23 43-1177	EA	8" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,554.92 250.04	388.96
40 05 23 43-1178	EA	10" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,529.16 375.06	583.43
40 05 23 43-1179	EA	12" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,661.44 468.83	729.29
40 05 23 43-1180 Reducers <small>(40 05 23 43-1123)</small>				
40 05 23 43-1181	EA	3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	152.02 33.28	55.43
40 05 23 43-1182	EA	1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	168.35 36.27	60.47
40 05 23 43-1183	EA	1-1/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	208.10 40.21	67.02
40 05 23 43-1184	EA	1-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	177.79 43.82	73.07
40 05 23 43-1185	EA	2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	195.67 48.39	80.63
40 05 23 43-1186	EA	2-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	253.65 60.47	100.78
40 05 23 43-1187	EA	3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	281.02 68.84	114.89
40 05 23 43-1188	EA	4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	327.06 80.67	134.54
40 05 23 43-1189	EA	6" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	421.63 102.70	171.34
40 05 23 43-1190	EA	8" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	863.52 150.03	233.37
40 05 23 43-1191	EA	10" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,130.58 187.53	291.71
40 05 23 43-1192	EA	12" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,502.71 250.04	388.96
40 05 23 43-1193 Flanges <small>(40 05 23 43-1123)</small>				
40 05 23 43-1194	EA	1/2" Flanges, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	86.51 13.91	23.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1195 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 316	90.54	25.20
<i>For Work In Restricted Working Space, Add</i>	15.12	
40 05 23 43-1196 EA 1" Flanges, Stainless Steel Schedule 40 Type 316	107.68	33.76
<i>For Work In Restricted Working Space, Add</i>	20.27	
40 05 23 43-1197 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	120.05	35.28
<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 43-1198 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	139.49	40.31
<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-1199 EA 2" Flanges, Stainless Steel Schedule 40 Type 316	166.92	45.35
<i>For Work In Restricted Working Space, Add</i>	27.20	
40 05 23 43-1200 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	226.93	57.95
<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-1201 EA 3" Flanges, Stainless Steel Schedule 40 Type 316	250.35	67.02
<i>For Work In Restricted Working Space, Add</i>	40.18	
40 05 23 43-1202 EA 4" Flanges, Stainless Steel Schedule 40 Type 316	343.32	90.71
<i>For Work In Restricted Working Space, Add</i>	54.43	
40 05 23 43-1203 EA 6" Flanges, Stainless Steel Schedule 40 Type 316	520.36	134.54
<i>For Work In Restricted Working Space, Add</i>	80.66	
40 05 23 43-1204 EA 8" Flange, Stainless Steel Schedule 40 Type 316	943.19	145.86
<i>For Work In Restricted Working Space, Add</i>	93.77	
40 05 23 43-1205 EA 10" Flange, Stainless Steel Schedule 40 Type 316	1,456.85	170.17
<i>For Work In Restricted Working Space, Add</i>	109.40	
40 05 23 43-1206 EA 12" Flange, Stainless Steel Schedule 40 Type 316	2,029.50	194.47
<i>For Work In Restricted Working Space, Add</i>	125.02	
40 05 23 43-1207 Slip-On Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1208 EA 1/2" Flange, Stainless Steel Schedule 40 Type 316	142.58	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-1209 EA 3/4" Flange, Stainless Steel Schedule 40 Type 316	148.21	50.40
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-1210 EA 1" Flange, Stainless Steel Schedule 40 Type 316	174.84	61.98
<i>For Work In Restricted Working Space, Add</i>	37.20	
40 05 23 43-1211 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 316	192.88	67.02
<i>For Work In Restricted Working Space, Add</i>	40.21	
40 05 23 43-1212 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 316	215.40	73.57
<i>For Work In Restricted Working Space, Add</i>	44.15	
40 05 23 43-1213 EA 2" Flange, Stainless Steel Schedule 40 Type 316	252.13	80.63
<i>For Work In Restricted Working Space, Add</i>	48.35	
40 05 23 43-1214 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	312.54	90.71
<i>For Work In Restricted Working Space, Add</i>	54.43	
40 05 23 43-1215 EA 3" Flange, Stainless Steel Schedule 40 Type 316	341.92	100.78
<i>For Work In Restricted Working Space, Add</i>	60.43	
40 05 23 43-1216 EA 4" Flange, Stainless Steel Schedule 40 Type 316	466.79	135.05
<i>For Work In Restricted Working Space, Add</i>	81.04	
40 05 23 43-1217 EA 6" Flange, Stainless Steel Schedule 40 Type 316	707.78	201.57
<i>For Work In Restricted Working Space, Add</i>	120.83	
40 05 23 43-1218 EA 8" Flange, Stainless Steel Schedule 40 Type 316	2,047.17	291.71
<i>For Work In Restricted Working Space, Add</i>	187.53	
40 05 23 43-1219 Caps <small>(40 05 23 43-1123)</small>		
40 05 23 43-1220 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316	73.04	23.18
<i>For Work In Restricted Working Space, Add</i>	13.91	
40 05 23 43-1221 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316	80.78	25.20
<i>For Work In Restricted Working Space, Add</i>	15.12	
40 05 23 43-1222 EA 1" Cap, Stainless Steel Schedule 40 Type 316	101.14	33.25
<i>For Work In Restricted Working Space, Add</i>	19.96	
40 05 23 43-1223 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	109.29	35.28
<i>For Work In Restricted Working Space, Add</i>	21.16	
40 05 23 43-1224 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	122.16	40.31
<i>For Work In Restricted Working Space, Add</i>	24.19	
40 05 23 43-1225 EA 2" Cap, Stainless Steel Schedule 40 Type 316	133.55	45.35
<i>For Work In Restricted Working Space, Add</i>	27.20	
40 05 23 43-1226 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	165.73	57.95
<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-1227 EA 3" Cap, Stainless Steel Schedule 40 Type 316	189.30	67.02
<i>For Work In Restricted Working Space, Add</i>	40.18	
40 05 23 43-1228 EA 4" Cap, Stainless Steel Schedule 40 Type 316	276.28	89.70
<i>For Work In Restricted Working Space, Add</i>	53.82	
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316	368.49	134.54
<i>For Work In Restricted Working Space, Add</i>	80.66	
40 05 23 43-1230 Reducing Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	197.66	73.07
<i>For Work In Restricted Working Space, Add</i>	36.50	
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	225.34	89.70
<i>For Work In Restricted Working Space, Add</i>	44.80	
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316	243.84	100.78
<i>For Work In Restricted Working Space, Add</i>	50.35	
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	313.78	114.89
<i>For Work In Restricted Working Space, Add</i>	57.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	281.45	123.47
<i>For Work In Restricted Working Space, Add</i>	61.64	
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	303.96	134.54
<i>For Work In Restricted Working Space, Add</i>	67.23	
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	484.91	161.26
<i>For Work In Restricted Working Space, Add</i>	80.55	
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	509.10	201.57
<i>For Work In Restricted Working Space, Add</i>	100.95	
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	612.08	226.77
<i>For Work In Restricted Working Space, Add</i>	113.29	
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	1,206.86	302.35
<i>For Work In Restricted Working Space, Add</i>	151.06	
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	2,588.15	388.96
<i>For Work In Restricted Working Space, Add</i>	208.37	
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	4,648.69	583.43
<i>For Work In Restricted Working Space, Add</i>	312.56	
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	5,810.85	729.29
<i>For Work In Restricted Working Space, Add</i>	390.69	
40 05 23 43-1244 Valves (40 05 23 43-0231)		
40 05 23 43-1245 Gate Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	526.19	51.43
<i>For Work In Restricted Working Space, Add</i>	30.86	
<i>For Class 200, Deduct</i>	-113.24	
<i>For Class 300, Add</i>	397.94	
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	563.95	54.13
<i>For Work In Restricted Working Space, Add</i>	32.48	
<i>For Class 200, Deduct</i>	-121.90	
<i>For Class 300, Add</i>	428.35	
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged.....	662.71	54.13
<i>For Work In Restricted Working Space, Add</i>	32.48	
<i>For Class 200, Deduct</i>	-148.31	
<i>For Class 300, Add</i>	521.17	
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	852.17	72.00
<i>For Work In Restricted Working Space, Add</i>	43.20	
<i>For Class 200, Deduct</i>	-189.44	
<i>For Class 300, Add</i>	665.68	
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	965.83	90.39
<i>For Work In Restricted Working Space, Add</i>	54.24	
<i>For Class 200, Deduct</i>	-210.00	
<i>For Class 300, Add</i>	737.93	
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,169.39	120.17
<i>For Work In Restricted Working Space, Add</i>	72.11	
<i>For Class 200, Deduct</i>	-248.51	
<i>For Class 300, Add</i>	873.28	
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged.....	1,695.69	154.81
<i>For Work In Restricted Working Space, Add</i>	92.90	
<i>For Class 300, Add</i>	1,302.86	
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged.....	1,914.36	180.26
<i>For Work In Restricted Working Space, Add</i>	108.12	
<i>For Class 300, Add</i>	1,460.73	
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged.....	2,448.98	230.60
<i>For Work In Restricted Working Space, Add</i>	138.32	
<i>For Class 300, Add</i>	1,868.63	
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged.....	3,996.74	270.65
<i>For Work In Restricted Working Space, Add</i>	162.39	
<i>For Class 300, Add</i>	3,248.11	
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged.....	8,525.35	309.09
<i>For Work In Restricted Working Space, Add</i>	185.38	
<i>For Class 300, Add</i>	7,432.97	
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged.....	11,996.17	378.91
<i>For Work In Restricted Working Space, Add</i>	227.44	
<i>For Class 300, Add</i>	10,563.75	
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged.....	18,021.33	459.03
<i>For Work In Restricted Working Space, Add</i>	275.52	
<i>For Class 300, Add</i>	16,076.74	
40 05 23 43-1259 Globe Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	700.84	51.43
<i>For Work In Restricted Working Space, Add</i>	30.84	
<i>For Class 200, Deduct</i>	-159.97	
<i>For Class 300, Add</i>	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	766.95	54.13
<i>For Work In Restricted Working Space, Add</i>	32.48	
<i>For Class 200, Deduct</i>	-176.20	
<i>For Class 300, Add</i>	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	928.34	56.83
<i>For Work In Restricted Working Space, Add</i>	34.09	
<i>For Class 200, Deduct</i>	-217.93	
<i>For Class 300, Add</i>	765.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,394.12 54.22 -324.58 1,140.58	90.39
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,722.42 72.11 -396.45 1,393.15	120.17
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,429.68 92.86 2,932.94	154.81
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,567.21 108.12 3,014.41	180.26
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,187.91 138.32 3,503.22	230.60
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,604.95 162.39 6,639.83	270.65
40 05 23 43-1269 Check Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,629.03 92.86 1,240.33	154.81
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,721.04 108.12 1,279.01	180.26
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,578.65 138.32 1,990.52	230.60
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,325.90 162.39 3,557.52	270.65
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,466.25 185.38 6,437.42	309.09
40 05 23 43-1275 Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing (40 05 23 43-1275)		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	17.35	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	21.09	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	25.41	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1275) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	59.70	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	60.94	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	93.27	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	52.68	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	87.07	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.64	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	80.95	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	124.42	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	78.61	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	122.42	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	79.09	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	101.03	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	165.71	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	135.87	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	168.26	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1275)		
40 05 23 43-1297 Needle Valves (40 05 23 43-1296)		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	291.40	
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	458.97	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1296)		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	278.56	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1296)		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,132.96	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	289.46	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	59.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	DESCRIPTION
CSI	UOM

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

END OF SECTION 40



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment ⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment ^(41 01)

41 01 20 00-0001 Maintenance ^(41 01 20)

41 01 20 00-0002	EA	Regular Inspection.....	332.78
41 01 20 00-0003	HR	Hoist Or Crane Servicing, Labor Only.....	95.61
41 01 20 00-0004	MO	Hoist Or Crane Maintenance Contract.....	581.75

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes And Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	3,702.98	305.83
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	3,743.70	305.83
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	4,484.80	305.83
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	5,656.59	407.77
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	7,150.51	509.71
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	8,428.76	749.07
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	9,753.84	904.74
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	10,827.19	904.74

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,671.28	295.63
		<i>For DC Electrical Operated, Add</i>	519.55	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,785.17	295.63
		<i>For DC Electrical Operated, Add</i>	547.63	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,072.59	295.63
		<i>For DC Electrical Operated, Add</i>	617.05	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,599.07	305.83
		<i>For DC Electrical Operated, Add</i>	992.21	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	3,974.48	305.83
		<i>For DC Electrical Operated, Add</i>	834.25	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,654.84	316.02
		<i>For DC Electrical Operated, Add</i>	1,246.12	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,134.62	346.60
		<i>For DC Electrical Operated, Add</i>	1,087.54	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,330.67	428.15
		<i>For DC Electrical Operated, Add</i>	1,381.57	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,471.57	443.92
		<i>For DC Electrical Operated, Add</i>	1,675.90	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	11,993.34	463.23
		<i>For DC Electrical Operated, Add</i>	2,766.52	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	14,356.02	482.53
		<i>For DC Electrical Operated, Add</i>	3,347.16	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	19,833.40	501.82
		<i>For DC Electrical Operated, Add</i>	4,706.20	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	25,367.78	550.09
		<i>For DC Electrical Operated, Add</i>	6,065.55	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 Material Processing And Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST			
41	22	23	13-0025	Hand Chain Hoists <small>(41 22 23 13)</small>				
	41	22	23	13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	983.89	119.73
	41	22	23	13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	1,146.58	121.37
	41	22	23	13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	1,516.03	127.11
	41	22	23	13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	1,697.22	128.75
	41	22	23	13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	2,035.40	135.31
	41	22	23	13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	2,283.81	158.27
	41	22	23	13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	3,130.87	163.19
	41	22	23	13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	4,078.06	196.82
	41	22	23	13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	4,958.76	205.84
	41	22	23	13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	8,657.89	235.36

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 Process Gas and Liquid Handling, Purification, and Storage Equipment		
43 20 Liquid Handling Equipment ⁽⁴³⁾		
43 23 Dry Location Liquid Pumps ^(43 20)		
43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)		
43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)		
43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)		
43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,523.90	
43 24 Suspended Liquid Pumps ^(43 20)		
43 24 41 Archimedes Screw Pumps ^(43 24)		
43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)		
43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)		
43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	2,096.42	
43 40 Gas and Liquid Storage ⁽⁴³⁾		
43 41 Non-pressurized Tanks And Vessels ^(43 40)		
43 41 31 Metallic Specialty Tanks ^(43 41)		
43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)		
43 41 31 00-0002 EA 250 Gallon LP Gas Storage Tank	1,898.57	62.26
43 41 31 00-0003 EA 500 Gallon LP Gas Storage Tank	2,580.56	74.72
43 41 31 00-0004 EA 1,000 Gallon LP Gas Storage Tank	4,471.52	87.16

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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